REPORT

Phase II Environmental Site Assessment
MFD - Grand Blanc (Site #029)
Area 2
10800 South Saginaw Street
Grand Blanc, Michigan

Environmental Corporate
Remediation Company, Inc.
Pontiac, Michigan

May 2007

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Environmental Corporate Remediation Company, Inc.
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TABLE OF CONTENTS

List of tables

List of figures

List of appendices

Executive summary

O'Brien & Gere conducted a Phase II Environmental Site Assessment (ESA) of the exterior areas of the General Motors Metal Fabricating Division (MFD) plant located at 10800 South Saginaw Street, Grand Blanc, Michigan (Figures 1 and 2, herein referred to as "the Site"). The purpose of the Phase II ESA was to identify and document the current environmental conditions of Area 2, which is west of the main building and includes a die storage area and Storm Water Lagoon #2 (Figures 3 and 4). The MFD plant, associated areas immediately adjacent to the plant, and Areas 1 and 3 through 5 are not included in this Phase II ESA report.

The general scope of services completed included:

- Completion of 23 Geoprobe® borings to depths of up to 20 ft below grade (fbg, typically 10 to 15 fbg) and collection of 32 surface soil samples, and 3 ground water samples.
- Installation of 3 monitoring wells to approximate 20 fbg to assess ground water flow conditions and assess water quality through sample collection.
- Laboratory analysis of soil and ground water samples.
- Elevation survey of soil boring and monitoring well locations and top of casing elevations to use to accurately locate sample locations and to evaluate ground water elevations and flow direction.
- Phase II ESA report Preparation for Area 2.

The Phase I ESA performed in Area 2 of the MFD Site revealed the presence of five RECs, which were investigated during this Phase II ESA. The results of the Phase II ESA investigation at these five RECs are summarized below:

1. Former UST areas: The two UST areas do not appear to be significantly impacted based on the results of the samples collected during the Phase II ESA.

2. Current AST areas: The two current AST areas do not appear to be significantly impacted based on the results of the samples collected during the Phase II ESA.

3. Shue and Volks Warehouse: The southern property boundary of Area 2 adjacent to the Shue and Volks Warehouse does not appear to be impacted by historical operations at the warehouse based on the soil borings performed and the samples collected during the Phase II ESA.

4. Crock sump discharge area: The crock sump discharge area has limited surficial PAH impacts above the residential direct contact criteria that appear to have been roughly delineated during the Phase II ESA and may encompass an area about 20 ft by 30 ft to a depth of about 1 or so feet deep.

5. Die storage area: Two large areas within the die storage area of Area 2 have surficial PAH and metal impacts above the residential direct contact criteria for PAHs and above the drinking water protection criteria for some metals in soils. Furthermore, there are a few samples that exhibited PAH impacts above the industrial direct contact criteria in Area 2. These larger areas of impacts have been roughly delineated and the area along the drainage ditch near MW2-1 that primarily

contains PAH impacts may encompass an area about 30 ft wide by 300 ft long and may extend to a depth of about 1 ft. The larger primarily metals impacted area near MW2-2 and extending southward may encompass an area about 400 ft long by 300 ft wide and may extend to a depth of about 1 to 2 ft deep.

Based on the Phase II ESA findings, soil leaching to ground water is not occurring above the ground water criteria. Monitoring wells MW2-1 and MW2-2 were installed within two large areas of impacts within the die storage area; however, the water within these wells is below the residential drinking water criteria indicating that the surficial impacts are not impacting ground water above this criteria.

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1. Introduction

A Phase II ESA has been performed for some of the exterior areas of the General Motors Metal Fabricating Division (MFD) plant located at 10800 South Saginaw Street, Grand Blanc, Michigan (herein referred to as "the Site"; see Figures 1 and 2). The Site is presently known as MFD – Grand Blanc, and the focus of this report is an approximately 38.5 acre area called Area 2.

The original portion of the Site was constructed in 1942 as a tank arsenal. After World War II, the plant was leased from the government by the Buick Motor Division and was purchased by General Motors in 1951. During the Korean Emergency, Fisher Body produced Patton M-48 Medium Tanks. In 1955, the Site was converted to automotive body metal fabricating. The Site currently fabricates automotive body parts, as well as assembles and repairs robotic systems for automotive plants.

For the purposes of this report, the Site was divided into the five exterior areas noted in Figure 2. Area 1 is located north-northwest of the main building and includes a parking lot (Figure 2). Area 2 fronts on Dort Highway and is located west of the main building and includes a die storage area and Storm Water Lagoon #2 (Figures 2 and 3). Area 3 fronts on South Saginaw Street and is located east of the main building and includes a lawn area and Storm Water Lagoon #1. Area 4 is located south of the main building and includes another die storage area, railroad siding areas, the power house and associated coal handling area, the wastewater treatment plant (WWTP), former underground storage tank (UST) farms, fuel storage areas, a former incinerator area, and the inactive Baler House. Area 5 is located southeast of the main building and includes an inactive land area, former waste lagoon area and Storm Water Lagoon #3. As shown in Figure 2, the five areas are located outside of the MFD plant where production operational activities occur. Areas 1 and 3 through 5 and the MFD plant and associated areas, which is Area 6, are not included in this Phase II ESA report. Approximately seventy-five acres located north of the Site were recently sold and were developed for commercial use.

The purpose of this Phase II ESA was to identify and document the environmental conditions of Area 2. This included identifying and documenting the presence of substances which indicate an existing, past, or potential adverse environmental impact to the air, soil, ground water or surface waters as a result of operations on the Site and adjacent and surrounding properties, and which indicate that further investigation may be necessary to evaluate environmental issues associated with the Site.

1.1. Scope of work

O'Brien & Gere performed the Phase II ESA scope of services in accordance with our October 3, 2006 proposal to evaluate the recognized environmental conditions (RECs) identified in the Phase I ESA report performed on Area 2 of the MFD Site (O'Brien & Gere, 2005). The purpose of the Phase II ESA was to provide sufficient information regarding the presence and approximate extent of impacts, if any, within Area 2 to assist in making informed business decisions regarding the property (i.e., Area). O'Brien & Gere first evaluated whether the RECs identified in the Phase I ESA report were confirmed by initially investigating the nature of the RECs and secondly by investigating the approximate extent of the impacts, if any, for each REC within Area 2. This approach involved initially investigating and collecting environmental samples to identify the nature of the REC. This included analyzing for a more complete list of the potential parameters of concern, followed by identifying a focused list of potential constituents of concern (COCs) for each REC based on the

initial sampling efforts. During the second round of investigation activities, the approximate extent of the REC was evaluated, if confirmed during the initial investigation, utilizing the initial sampling results and the focused list of COCs to guide the sample collection and analysis.

The general scope of services completed included:

- Completion of 23 Geoprobe® borings to depths of up to 20 ft below grade (fbg, typically 10 to 15 fbg) and collection of 32 surface soil samples, and 3 ground water samples.
- Installation of 3 monitoring wells to approximate 20 fbg to assess ground water flow conditions and assess water quality through sample collection.
- Laboratory analysis of soil and ground water samples.
- Elevation survey of soil boring and monitoring well locations and top of casing elevations to use to accurately locate sample locations and to evaluate ground water elevations and flow direction.
- Phase II ESA report Preparation for Area 2.

Section 3 provides a more detailed description of the activities conducted during the Phase II ESA.

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2. Site description

The following provides a general description of the site, site topography and drainage, and the regional geology and hydrogeology of the MFD site. Specific information about these features for Area 2 as a result of the Phase II ESA are discussed in Section 4.

2.1. Location and description

The MFD Site produces automotive sheet metal body parts and robotic systems for automotive manufacturing plants. The Site is located in an industrial and commercial area of Grand Blanc, Michigan. Area 2 consists of the exterior area of the MFD Site fronts on Dort Highway and is located west of the main MFD plant (see Figures 2 and 3). Area 2 was used for die and other equipment storage, with Storm Water Lagoon #2 located in the western corner of Area 2. A containment area for the dismantling of presses being readied for shipment off-site was recently constructed in Area 2 north of the main substation for the MFD Site. Area 2 also includes a small shed, pump house, and water tank.

2.2. Site topography and surface drainage features

The topography of Area 2 is generally characterized by a gentle east to west slope, with a few drainage ditches out lining the die storage areas, which act as the low points in the site area. There are also a few mounds of soil, which may be remnants from when the area was used as a test track for tanks. The topographic relief in Area 2 is about 22 ft and varies from a high of about 842 ft above mean sea level (aMSL) at the mound located near the pump house to 820 ft (aMSL) along Dort Hwy and Storm Water Lagoon #2 located in the southwestern area of Area 2. The majority of Area 2 lies between the elevations of 836 and 828 ft aMSL. Figure 4 provides a topographic map for Area 2.

2.3. Regional geology and hydrogeology

2.3.1 Regional geology

The site is underlain by unconsolidated glacial drift soils to depths of about 120 to 160 ft beneath the MFD Site according to the Groundwater Resources Map Series for Grand Blanc Township (U of M – Flint, Nov. 1994). The Phase I ESA report noted the soils at the MFD Site consist of loam and clay loam from the Conover series with low infiltration rates. Soil boring and excavation logs conducted at the site indicate the soils beneath the Site consist either of topsoil or fill soils, which are underlain by native clays with interbedded clayey sand, silt or sand seams. Some of the sand seams were observed to be about 2 to 5 ft thick. Two to twenty four inches of topsoil (generally 6 to 12 inches) was observed in areas where natural soils underlie the Site. The observed fill soils consisted of sandy and/or clayey soils with varying amounts of debris (slag, metal, wood, concrete, asphalt, etc.) extending to depths from about 6 inches to 9 ft below grade (generally 1 to 5 ft) in areas were excavations or low area filling activities were conducted. At several locations buried topsoil was observed beneath the fill soils ranging between about 6 to 24 inches thick. The native clay soils underlying the topsoil or fill soils likely extend to the top of bedrock. The Groundwater Resources

Maps indicate between 80 and 90 percent of the drift soils to a depth of 100 ft consist of clay in the area of the Site.

Bedrock was not encountered during the Phase II ESA; however, bedrock in the area of the MFD Site consists of a stratified sequence from the Paleozoic Era. The Bedrock Geology of Michigan (MDNR, 1987) map indicates the site is underlain by the Pennsylvanian age Saginaw Formation consisting of a fine-grained sandstone and siltstone interbedded with shale, limestone, coal and gypsum. The bedrock surface is reported to vary in elevation from about 680 to 720 ft aMSL beneath the site and generally slopes toward the southwest.

2.3.1 Regional hydrogeology

The depth to ground water at the site is generally less than 12 feet. However, this may be indicative of perched ground water conditions. The Groundwater Resources Map Series for Grand Blanc Township (U of M – Flint, Nov. 1994) indicates the regional ground water table exists at elevations of about 770 to 780 ft aMSL in the area of the MFD Site, which corresponds to depths of about 50 to 70 ft below grade (fbg). The Site area is gently sloped and based on local topography, the shallow (potentially perched) ground water flow direction is generally towards the east on the eastern portion of the MFD Site and towards the west-southwest on the western portion of the Site. However, deeper regional ground water flow is purported to flow towards the northwest (U of M – Flint, Nov. 1994).

3. Site investigation activities

3.1. Health and safety plan preparation

O'Brien & Gere prepared a site-specific health and safety plan (HASP) for the site in accordance with OSHA rules Part 1910.120 utilizing the REALM/ENCORE Long-Form HASP. The HASP was maintained on site whenever activities were in progress during the Phase II investigation.

3.2. Soil boring installation and soil sampling

Soil borings were placed in relation to five REC areas identified in the Phase I ESA report. There were thirteen borings installed during the first mobilization, which were named SB2-01 through SB2-13. The former USTs and current above ground storage tanks (ASTs) near Well #5 and the fire pump house received two borings (one boring each area). Two borings were placed along the border of the Shue and Volks Cartage Warehouse. The die storage area received nine borings, although generally the other borings could also be considered as die storage area borings. Soil borings were installed to depths of 10 to 15 feet and were terminated in native soil. An additional ten borings were installed during the second mobilization to evaluate the extent of impacts identified by the initial sampling. The soil borings were named SB2-14 through SB2-23. The soil borings were spread throughout the die storage area and were installed to depths of 5 feet. Soil boring logs are provided in Appendix A.

A total of 32 surface soil samples were taken during three mobilizations. Samples SS2-01 through SS2-04 were taken during the first round of sampling near the crock sump near the fire pump house (two samples) and within the die storage area (two samples). The second set of samples were named SS2-05 through SS2-19 and covered the die storage area and most were associated with soil borings SB2-14 through SB2-23. A third set of surface soil samples were collected to evaluate surficial impacts in the die storage area and were named SS2-20 through SS2-32. The approximate locations of the twenty-three borings and thirty-two surface soil samples are illustrated on Figure 5. The actual locations were chosen in the field based on visual indications of impacts, analytical results and other professional judgement factors.

O'Brien & Gere installed the soil borings utilizing Geoporbe® drilling techniques in general accordance with the REALM/ENCORE Field Method Guideline (FMG) 2.3. Field data was recorded in a field book during soil boring installation. Soil borings were installed using 5-foot long Geoprobe® macro-core samplers. Subsurface soil samples were collected in accordance with FMG 6.1.

Macro-core samplers were cleaned, attached to the drill rods, and lowered into the borehole. After the sampler was lowered to the bottom of the borehole, it was advanced utilizing direct push techniques using the hydraulic hammer as necessary to the terminus of the sample interval. Each of the Area 2 borings were advanced to a depth of 5 to 15 fbg. The sampler was removed from the borehole, detached from the drill rods and opened. The sample length was measured and recorded and the upper and lower ends of the sample core were discarded (+/- 3 inches). The sample core was then screened using a photoionization detector (PID) to monitor for the presence of volatile organic compounds (VOCs).

The soil sample within each of the initial 13 soil borings, with the exception of the sample from SB2-4 (from 8 to 10 ft), which was not submitted for analysis and was replaced by surface soil sample SS2-03, was collected for VOC, semi-volatile organic compound (SVOC), Michigan 10 metals (including fine and coarse fraction lead analysis), and polychlorinated biphenyl (PCB) analysis. The samples were selected based on PID readings, olfactory response and/or visual indication of impacts. The initial surface soil samples (SS2-01 through SS2-04) were also submitted for the full suite of analyses. Only one sample was collected from each boring location in Area 2 during the initial mobilization. During the second round of soil borings, a 3 to 5 ft soil sample was collected from soil borings SB2-14 through SB2-23 along with a corresponding surface soil sample from the same horizontal location. The second round surface soil samples and selected soil boring samples, deemed necessary to evaluate vertical impacts, were analyzed for poly-nuclear aromatic hydrocarbons (PAHs) and Michigan 10 metals, which were identified as the COCs for Area 2 based on the initial round of sampling results. Selected third round surface soil samples, deemed necessary to evaluate horizontal surficial impacts, were analyzed for PAHs and/or Michigan 10 metals depending on the COCs that were being delineated by these samples.

The soil was removed from the sampler, placed directly into clean, pre-labeled, sample jars for analysis. VOC sub-samples were not homogenized and were taken using syringe-type coring devices and immediately transferred into pre-weighed VOC vials containing reagent grade methanol sufficient to obtain an estimated ratio of 1:1 in accordance with MDEQ Operational Memo #2 and U.S. EPA Method 5035. Samples were placed in a cooler with ice after collection and hand delivered to Merit Laboratories, Inc. via the laboratory's courier service.

The soil samples were submitted to the analytical laboratory for analysis using appropriate chain of custody and standard QA/QC procedures. A Level II analytical data package was prepared by the laboratory for the soil samples analyzed and a Level II partial data validation was performed on the data.

Each soil boring was backfilled with granular bentonite following completion of sampling. The ground surface at the boring location was restored to its original condition with soils, cold patch asphalt or concrete depending on the conditions at the boring location prior to drilling.

A ground water sample was collected from soil boring SB2-02 (labeled SB2-02-GW) during drilling because appreciable water was observed at this location. The sample was collected utilizing standard Geoprobe® temporary well sampling techniques with the aid of a 1-inch diameter poly-vinyl chloride (PVC) temporary well and a peristaltic pump with appropriate tubing. The sample was analyzed for the full suite of analyses to provide an initial indication of the ground water quality in Area 2 and to aid in the selection of COCs for ground water.

3.3. Monitoring well installation

Monitoring wells MW2-1 through MW2-3 were installed in Area 2 during the second mobilization to further evaluate site conditions. MW2-1 and MW2-2 were installed in the die storage area, and MW2-3 was located adjacent to Well #5. The ground water monitoring wells were installed at a depths of 15 to 20 fbg to assess potential impact to ground water and evaluate site-specific ground water conditions. The monitoring wells were constructed using materials specified in FMG 3.1. The soil boring for well installation was installed using 4.25-inch inside diameter hollow stem augers (HSAs). The well screen, end caps, and riser were constructed of 2-inch inside diameter, flush-

threaded PVC and the well screen was machine slotted with 0.010 inches slots. Well construction materials were new, clean and inspected for proper specifications and integrity prior to installation.

Monitoring well construction details were recorded in the field logbook. A filter pack was placed in increments to minimize bridging. The filter pack extends a minimum of 2 feet above the top of the screen. The filter pack material level was maintained within the augers as they were removed in stipulated increments to limit borehole collapse.

A granular bentonite seal was placed over the filter pack to a minimum thickness of 2 feet and was extended to seal the annular space from the top of the bentonite seal to the ground surface.

A flush-mounted protective casing was installed over the monitoring well. The monitoring well identification was clearly marked on the inside and the outside of the protective casing cap. Monitoring well details are provided in Appendix B.

The newly installed monitoring wells were developed to remove fine-grained materials and enhance the connection with the aquifer. Well development was performed in accordance with FMG 3.7. Equipment used for development was cleaned using a laboratory grade detergent and tap water rinse prior to well development. The well was uncapped and the water level was allowed to stabilize before developing the well. A pump and appropriate tubing was lowered into the well and the pump was turned on. Ground water was collected in a glass jar to evaluate relative turbidity and to measure and record temperature, pH, turbidity, and specific electrical conductance during development. The monitoring well was pumped until the samples were relatively silt-free or no further change was noted; and the temperature, pH, turbidity, and specific electrical conductance readings stabilized to within 10 percent or until the well produces relatively clear, sediment-free water, to the extent practical.

Investigation derived wastes were handled as described in Section 3.7. Monitoring well locations were surveyed to establish elevations and horizontal control subsequent to the investigation.

3.4. Ground water sampling

Ground water samples from the three monitoring wells were collected using low flow/low stress sampling technique as described in FMG 6.4 about one week after well installation. One ground water sample was also collected during the initial mobilization. Low flow/low stress sampling techniques minimize the presence of fine grain materials in the ground water samples. Samples collected using low flow/low stress techniques are typically more representative of the ground water quality in the aquifer than samples collected using a hand bailer because some constituents are known to have an affinity for fine-grained particulate (i.e., inorganic constituents).

The well identifications and locations were verified using location layout drawings and the condition of the wells were noted in the field logbook prior to set up. A water level and total well depth measurement was also recorded and the volume of water in the monitoring well was calculated prior to purging in accordance with FMG 5.1.

A peristaltic pump was utilized to purge the monitoring well using low flow/low stress techniques. The well was purged at 100 to a maximum of 500 milliliters per minute (mL/min). During purging, the water level was monitored as necessary to maintain a steady flow rate resulting in drawdown of

0.3 ft or less. Field indicator parameters (pH, temperature, conductivity, oxidation-reduction potential [ORP], dissolved oxygen [DO], and turbidity) were monitored about every 5 minutes. Field instruments were calibrated as specified in FMG 8.0 prior to use and a record was documented in the field logbook or on the ground water sampling log forms. Water level and field indicator parameter measurements were documented on the ground water sampling log forms.

The wells were considered stabilized when the physical parameters were within 10% for three consecutive readings for each parameter.

Ground water samples were collected directly from the pump and discharged directly into the appropriate sample container. Samples were collected at a flow rate between 100 and 250 mL/min. Ground water samples were analyzed for the list of COCs established during the initial sampling activities. The samples were analyzed for PAHs and dissolved Michigan 10 metals. Samples were placed in a cooler with ice following sample collection. Filtration for dissolved metals samples were performed in the field. No decontamination was needed because disposable materials were used for the ground water sampling.

A second round of ground water samples were collected for total (unfiltered) Michigan 10 metals about two weeks after the initial sampling event to provide a comparison between total and dissolved metals and to further aid in the evaluation of the ground water quality at the site.

3.5. Surveying

Each soil boring and monitoring well location was located horizontally with respect to site features and included on a scaled site location map by a licensed surveyor. A licensed surveyor determined the elevation of the ground surface at each boring and monitoring well location, and the top of casing for each monitoring well. The top of casing elevations was used to evaluate the ground water flow direction of the site.

3.6. Decontamination procedures

Items such as drill rigs and miscellaneous heavy equipment present potential sources of interference to environmental samples. These items were cleaned using high-pressure steam cleaning methods. Other equipment and materials associated with sampling were cleaned before and after use and between discrete investigation locations.

Decontamination procedures were designed to remove particles and compounds that could affect the integrity of samples, and thus, the interpretation of environmental sampling data. The following decontamination procedures were followed for sampling equipment:

- Brushed loose soil off equipment
- Washed equipment with laboratory grade detergent (i.e., Alconox or equivalent)
- Rinsed with potable water
- Allowed water to evaporate before reusing equipment

3.7. Investigation derived wastes

Investigation derived wastes (IDW) including soils were containerized and transported to the on-site drum storage pad by Site personnel and will be characterized and disposed of in accordance with state and federal protocols, and FMG 10.0. Purge water and decontamination water was discharged on-site such that it entered the waste water system and was treated by the WWTP at the Site. Personal protective equipment (PPE, i.e., gloves, etc.) and disposable sampling equipment were disposed of in appropriate trash receptacles at the Site and were disposed as municipal trash.

4. Findings

Information obtained from the sources and activities described in Sections 1 and 3 are presented in the following section for Area 2. Information supporting the observations and findings presented in this report are provided in the tables, figures and appendices of this report.

4.1. Geology and hydrogeology

The Area 2 geology based on twenty-three soil borings (SB2-01 through SB2-23) installed during the Phase II ESA generally consisted of either an asphalt, concrete or topsoil cap depending on the location of the boring underlain by a layer of damp, brown silty SAND and GRAVEL fill material to a depths of up to 4 feet. From 4 feet to around 7 to 10 feet a layer of damp, brown with gray mottling, stiff silty CLAY, little gravel with a Unified Soil Classification System (USCS) symbol of CL was consistent almost throughout Area 2. From about 10 to 20 feet the soil became less mottled or was not mottled and generally consisted of a moist, medium plasticity, brown to gray, silty CLAY, trace to little gravel with a USCS symbol of CL down to at least 20 feet in Area 2 (the deepest depth investigated during the Phase II ESA), which purportedly extends to a depth of about 50 to 70 fbg in the MFD site area. At soil boring SB2-05 a seam of moist, dark olive grey, soft silty CLAY, trace gravel and roots was found along with peat material indicating that at one time there may have been a pond or wetland in this area.

The depth to ground water on December 7, 2006 ranged from 4.95 fbg at MW2-2 to 11.33 fbg at MW2-1 (see Table 1). The ground water elevation ranged from 828.20 ft aMSL at MW2-2 to 818.93 ft aMSL at MW2-3. On December 22, 2006, the depth to water ranged from 4.44 ft at MW2-2 to 10.95 ft at MW2-1, which is similar to the earlier measurements and the ground water elevation ranged from 828.71 ft aMSL at MW2-2 to 818.92 ft aMSL at MW2-3. An approximate ground water contour map for Area 2 is provided as Figure 6, which was constructed using the Area 2 ground water level data and other available data for the MFD Site. Shallow, likely perched, ground water appears to flow generally toward the west-southwest across the southern portion of Area 2; however, there may be a component of flow toward the northwest in the northern portion of Area 2. As with many shallow perched ground water systems, the ground water flow direction can be complex and may be affected by surface infiltration, the presence of sand seams and other factors. However, a general southwest to west ground water flow direction in Area 2 was predicted based on topographic and surface water information for the MFD site. Local shallow ground water in the area of Area 2 likely discharges to Storm Water Lagoon #2 on the site, and Gibson Drain located west of Area 2.

4.2. Field observations

PID readings of zero were detected at soil borings SB2-01 through SB2-23 potentially indicating no VOC impacts. No significant olfactory observations were recognized during drilling or sampling, including at two locations where black material was observed, but contained no chemical odor and was identified as possibly organic peat material. Visual observations of potential impacts were limited to surficial soils during the drilling and sampling activities. The selection of soil samples was therefore based on the visual observations of potential impacts during the Phase II ESA, and on professional judgement using the topography, geology and hydrogeology of the site/site area to guide sample collection. In general, if visual observations did not indicate potential impacts, soil samples

were taken at depths that corresponded with potential impact scenarios, such as surficial sources of impacts, or releases from USTs or ASTs.

4.3. Soil analytical results

The analytical results for detected analytes in the soil samples collected during the Phase II ESA for Area 2 are presented in Table 2. Soil samples were collected from soil borings SB2-01 through SB2-03, SB2-05 through SB2-13 and SB2-20, and surface soil samples SS2-01 through SS2-25, and SS2-27 through SS2-32 for chemical analysis during the Phase II ESA investigation. The remainder of the soil boring and surface soil sampling locations were not selected for chemical analysis because they where determined to be unnecessary based on existing analytical data or the collection of corresponding surface soil samples. The complete analytical laboratory reports are contained in Appendix C. During the initial sampling soil borings SB2-01 through SB2-13 with the exception of SB2-04, and surface samples SS2-01 through SS2-04 were analyzed for VOCs, SVOCs, metals and PCBs. Both VOCs and PCBs were not detected, therefore were not subsequently analyzed for in later rounds. Several polynuclear aromatic hydrocarbon (PAH) constituents of the SVOC analytes and several Michigan metals exceeded Michigan Department of Environmental Quality (MDEQ) residential soil cleanup criteria and were the main focus during the remainder of the Phase II ESA investigation.

None of the subsurface soil samples (i.e., from the soil borings) contained metals above MDEQ soil cleanup criteria, with the exception of several selenium detections and one mercury detection from the sample from SB2-10-03 (1 to 3 fbg sample interval at a concentration of 0.096 mg/kg), which exceeded their respective GSI criteria. However, selenium appears to be ubiquitous to the site and may represent site specific background concentrations, and the mercury detection was below the Michigan statewide background level of 0.13 mg/kg. This indicates that the impacts in Area 2 are restricted to surface soils or near surface impacts probably caused from surface spills or releases.

Silver and Barium were detected but were generally detected at concentrations below their respective Michigan statewide background levels, and were detected at concentrations below their respective MDEQ cleanup criteria. Chromium was detected above the Michigan statewide background level at several locations, but was detected at concentrations below its MDEQ cleanup criterion.

Copper, selenium and zinc exceeded their respective Michigan statewide background levels and MDEQ ground water surface water interface (GSI) criteria at more than one location, but did not exceed other MDEQ criteria. Copper exceeded the GSI criteria at a total of seven locations, plus in the duplicate sample. Selenium was detected above the GSI criteria (0.40 mg/kg) in 27 of the 41 samples taken for metals analysis. None of the 27 were above the residential drinking water or direct contact criteria. The range for selenium was from non-detect to 1.8 mg/kg (at SS2-23) and numerous samples were greater than the Michigan statewide background criteria of 0.41 mg/kg. The selenium detections appear to be ubiquitous to the site and may generally represent a higher site specific background level. Zinc was detected above the GSI criteria of 170 mg/kg at a total of 14 out of 41 metals samples; however, zinc was not detected above other criteria. The samples with elevated copper and zinc results correspond with locations exhibiting other elevated metals results.

Cadmium was detected above the GSI criteria of 3 mg/kg at five locations, which also exceeded the Michigan statewide background level of 1.2 mg/kg. At SS2-03, the cadmium concentration of 7.29 mg/kg also exceeded the drinking water criterion of 6 mg/kg. Mercury was detected above the GSI

criterion of 0.050 mg/kg (based on the acceptable method detection limit or 0.0012 mg/kg based on aquatic toxicity data) in 15 of the 41 samples, and of the 15 samples, only seven were above Michigan statewide background levels. The sample from SS2-20 also exceeded the residential drinking water protection criteria of 1.7 mg/kg for mercury with a level of 2.76 mg/kg. Total lead was detected above the statewide background level in 22 of the 41 samples, but was only detected above MDEQ criteria at two locations, SS2-03 and SS2-14. The concentration of lead at SS2-03 of 699 mg/kg was above the residential direct contact criteria of 400, but was below the industrial direct contact criteria of 900 mg/kg. The lead concentration at SS2-14 of 1,020 mg/kg exceeded both direct contact levels and the residential drinking water protection criteria of 700 mg/kg for lead. Arsenic was detected above the drinking water criteria at seven surface soil sample locations. However, at four of these locations, SS2-03, SS2-16, SS2-22 and SS2-32, the arsenic concentrations were below the Michigan statewide background level of 5.8 mg/kg. The remaining three locations contained arsenic concentrations above both the residential drinking water and the residential direct contact criteria of 4.6 mg/kg and 7.6 mg/kg, respectively, but were below the industrial direct contact criteria of 37 mg/kg. Arsenic in SS2-14, SS2-21, and SS2-23 range in from 8.24 mg/kg to 15.7 mg/kg.

PAHs were detected at the highest concentrations and were the only SVOCs detected above a MDEQ criteria in Area 2, with the exception of one detection of carbazole (at SS2-04), which exceeded the GSI criteria. Out of the 46 samples collected in Area 2 for either SVOCs or PAHs, 15 samples exceeded the residential direct contact criteria for PAHs for benzo(a)pyrene. Four of the 15 also exceeded the industrial direct contact criteria for benzo(a)pyrene, including SB2-05-03 (1 to 3 fbg sample), SS2-04, SS2-05, and SS2-27 with concentrations ranging from 11,700 ug/kg to 37,300 ug/kg. Fluoranthene exceeded the GSI criteria in 9 of the aforementioned 15 samples exceeding the residential direct contact criteria. Phenanthrene exceeded the GSI criteria in 3 of the 15 sample locations exceeding the residential direct contact criteria. Benzo(a)anthracene and benzo(b)fluoranthene also exceeded the residential direct contact criteria in the sample from SS2-04. No other SVOCs exceeded a MDEQ soil cleanup criteria, and with the exception of the shallow subsurface soil sample from SB2-05, no other subsurface soil samples contained SVOCs above a MDEQ criteria and it appears that the impacts in Area 2 are generally restricted to the surface or near surface soils.

Within Area 2 there were four areas that are impacted above direct contact and/or drinking water criteria. The first area is associated with the die storage area and includes the ditch that runs along the south side of the road on the north central portion of Area 2 near MW2-1 where a majority of the dies were stored at one time. This area had the highest levels of PAHs. A second larger impacted area is also associated with the die storage area and is located in the south central portion of Area 2 beginning near MW2-2 and proceeding southward to just south of SS2-22, and extends east-west from about SS2-20 to SS2-24. This area had the highest concentrations of metals, and somewhat lower, but still elevated PAHs. A smaller impacted area is located adjacent to the crock sump discharge area near the fire pump house. The last impacted area is also relatively small and is located along the border of the Shue and Volks Warehouse on the south side of the road where dies were historically stored near SS2-16 and is probably not associated with off site impacts.

4.4. Ground water analytical results

Ground water analytical results for most analytes were non-detect (see Table 3). Selenium at a concentration of 6 ug/L at MW2-2 exceeded the GSI criteria of 5 ug/L in the dissolved metals samples, but was not detected above the GSI criteria in the corresponding total metals sample. The

rest of the results were below the criteria. The complete analytical laboratory reports are contained in Appendix D.

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5. Conclusions

The Phase I ESA performed in Area 2 of the MFD Site revealed the presence of five RECs, which were investigated during this Phase II ESA. The two current AST and two corresponding former UST areas do not appear to be impacted based on the results of the samples collected during this Phase II ESA. The southern property boundary of Area 2 adjacent to the Shue and Volks Warehouse does not appear to be impacted by historical operations at the warehouse based on the soil borings performed and the samples collected during the Phase II ESA. The crock sump discharge area appears to contain limited surficial PAH impacts above the residential direct contact criteria that appear to have been roughly delineated during the Phase II ESA and may encompass an area about 20 ft by 30 ft to a depth of about 1 or so feet deep. The two larger areas within the die storage area of Area 2 appear to contain surficial PAH and metal impacts above the residential direct contact criteria for PAHs and above the drinking water protection criteria for some metals in soils. Furthermore, there are a few samples that exhibited PAH impacts above the industrial direct contact criteria in Area 2. These larger areas of impacts have been roughly delineated and the area along the drainage ditch that primarily contains PAH impacts may encompass an area about 30 ft wide by 300 ft long and may extend to a depth of about 1 ft. The larger primarily metals impacted area near MW2-2 may encompass an area about 400 ft long by 300 ft wide and may extend to a depth of about 1 to 2 ft deep.

Based on the Phase II ESA findings, soil leaching to ground water is not occurring above the ground water criteria. Monitoring wells MW2-1 and MW2-2 were installed within the two large areas of impacts; however, the water within these wells is below the residential drinking water criteria indicating that the surficial impacts are not impacting ground water above the criteria.

6. References

1. "Groundwater Resources Map Series, Grand Blanc Township, Genesee County, Michigan." Regional Groundwater Center, University of Michigan – Flint, November 1994.

2. "1987 Bedrock Geology of Michigan." Michigan Department of Natural Resources, 1987.

3. "Phase I Environmental Site Assessment, MFD – Grand Blanc (Site #029), Grand Blanc, Michigan." O'Brien & Gere Engineers, Inc., October 2005.

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Tables

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Table 1
Ground Water Elevation Data
GM MFD (ENCORE Site #029)
Grand Blanc, Michigan

Well	Top Of Casing Elev. (ft) *	Depth To Water (ft) 12/7/2006	Static Water Elev. (ft) 12/7/2006	Depth To Water (ft) 12/22/2006	Static Water Elev. (ft) 12/22/2006
MW2-1	832.24	11.33	820.91	10.95	821.29
MW2-2	833.15	4.95	828.20	4.44	828.71
MW2-3	824.02	5.09	818.93	5.10	818.92

Notes

Casing elevations were provided by Bartow & King Engineers and are in feet relative to National Geodetic Vertical Datum

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Table 2
Summary of Soil Analytical Results
GM MFD
Grand Blanc, Michigan

Parameter		MDEQ Criteria: Statewide Default Background Levels	MDEQ Criteria: Residential Drinking Water Protection	MDEQ Criteria: GSI Protection	MDEQ Criteria: Residential Indoor Air	MDEQ Criteria: Industrial Indoor Air	MDEQ Criteria: Residential Direct Contact	MDEQ Criteria: Industrial Direct Contact	SB2-01 (2'-4')	SB2-02 (2'-4')	SB2-03 (8'-10')	SB2-05 (1'-3')	SB2-06 (8'-10')	SB2-07 (8'-10')	SB2-08 (1'-3')	SB2-09 (2'-4')	SB2-10 (1'-3')	SB2-11 (2'-4')	SB2-11/Dup-02 (2'-4')	SB2-12 (2'-4')	SB2-13 (2'-4')	SB2-14 (4'-5')	SB2-16 (4'-5')
Arsenic	mg/kg	5.8	4.6	70 (X)	NLV	NLV	7.6	37	1.56	3.44	1.22	2.39	0.56	2.18	1.69	1.69	1.73	1.04	1.09	0.46	1.59	NA	NA
Barium	mg/kg	75	1300	440 (G,X)	NLV	NLV	37000	1.3E+05	11.4	30	32.9	57.7	60.3	54.3	49.9	38.9	43	47.5	51.2	66.8	36.5	NA	NA
Cadmium	mg/kg	1.2	6	3 (G,X)	NLV	NLV	550	2100	<0.20	1.09	<0.20	0.31	<0.20	<0.20	0.23	0.24	0.28	<0.20	<0.20	<0.20	<0.20	NA	NA
Chromium	mg/kg	18	1.0E+6 (D)	1.0E+6 (G,X,D)	NLV	NLV	7.9E+05	1.0E+6(D)	2.1	17.1	3.7	6.7	3.6	5.5	4.2	2.6	4	3.4	3.7	4.1	4.8	NA	NA
Copper	mg/kg	32	5800	73 (G)	NLV	NLV	20000	73000	6.8	22.2	7.3	8.2	7.4	6.3	5.3	4.2	9.9	3.1	3.1	3.9	4.3	NA	NA
Lead (Total)	mg/kg	21	700	2500 (G,X)	NLV	NLV	400	900 (DD)	5.1	**32**	10.5	12.3	10.6	7.79	18.2	7.31	20.4	5.77	7.4	7.8	5.99	NA	NA
Mercury	mg/kg	0.13	1.7	0.050 (M); 0.0012	48	89	160	580	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.096	<0.050	<0.050	<0.050	<0.050	NA	NA
Selenium	mg/kg	0.41	4	0.4	NLV	NLV	2600	9600	<0.20	**0.76**	**0.5**	<0.50	<0.20	**1.31**	<0.50	**0.47**	<0.50	**0.59**	**0.55**	<0.20	**0.5**	NA	NA
Silver	mg/kg	1	4.5	100 (M); 27	NLV	NLV	2500	9000	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	NA	NA
Zinc	mg/kg	47	2400	170 (G)	NLV	NLV	1.7E+05	6.3E+05	10.4	**95.3**	13.7	37.2	6.7	11.8	15	17.9	29.8	8.4	9.3	10.7	10	NA	NA
Acenaphthene	ug/kg	NC	3.0E+05	4400	1.9E+08	3.5E+08	4.1E+07	1.3E+08	<330	<330	<330	<330	<330	<330	<330	<300	<330	<300	<300	<300	<330	<300	<300
Acenaphthylene	ug/kg	NC	5900	ID	1.60E+06	3.00E+06	1.6E+06	5.2E+06	<330	<330	<330	<330	<330	<330	<330	<300	<330	<300	<300	<300	<330	<300	<300
Anthracene	ug/kg	NC	41000	ID	1.0E+9(D)	1.0E+9(D)	2.3E+08	7.3E+08	<330	<330	<330	940	<330	<330	<330	<300	<330	<300	<300	<300	<330	<300	<300
Benzo(a)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	<330	<330	<330	5910	<330	<330	<330	<300	<330	<300	<300	<300	<330	<300	<300
Benzo(a)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	<330	<330	<330	9400	<330	<330	<330	<300	440	<300	<300	<300	<330	<300	<300
Benzo(b)fluoranthene	ug/kg	NC	NLL	NLL	ID	ID	20000	80000	<330	<330	<330	9710	<330	<330	<330	<300	400	<300	<300	<300	<330	<300	<300
Benzo(ghi)perylene	ug/kg	NC	NLL	NLL	NLV	NLV	2.5E+06	7.0E+06	<330	<330	<330	6870	<330	<330	<330	<300	370	<300	<300	<300	<330	<300	<300
Benzo(k)fluoranthene	ug/kg	NC	NLL	NLL	NLV	NLV	2.0E+05	8.0E+05	<330	<330	<330	6760	<330	<330	<330	<300	380	<300	<300	<300	<330	<300	<300
Carbazole	ug/kg	NC	9400	1100	NLV	NLV	5.3E+05	2.4E+06	<330	<330	<330	420	<330	<330	<330	<300	<330	<300	<300	<300	<330	NA	NA
Chrysene	ug/kg	NC	NLL	NLL	ID	ID	2.0E+06	8.0E+06	<330	<330	<330	7190	<330	<330	<330	<300	<330	<300	<300	<300	<330	<300	<300
Dibenzo(ah)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	<330	<330	<330	420	<330	<330	<330	<330	<330	<330	<330	<330	<330	<300	<300
Dibenzofuran	ug/kg	NC	NLL	1700	ID	ID	ID	ID	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
Fluoranthene	ug/kg	NC	7.30E+05	5500	1E+9 (D)	1.0E+9 (D)	4.6E+07	1.3E+08	<330	<330	<330	10900	<330	<330	450	<300	<330	<300	<300	<300	<330	<300	<300
Fluorene	ug/kg	NC	3.9E+05	5300	5.8E+08	1.0E+9(D)	2.7E+07	8.7E+07	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<300	<300
Indeno(1,2,3-cd)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	<330	<330	<330	<330	<330	<330	<330	<300	330	<300	<300	<300	<330	<300	<300
2-Methylnaphthalene	ug/kg	NC	57000	ID	ID	ID	8.1E+06	2.6E+07	<330	<330	<330	<330	<330	<330	<330	<300	<330	<300	<300	<300	<330	<300	<300
1-Methylnaphthalene	ug/kg	NC	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/kg	NC	35000	870	2.5E+05	4.7E+05	1.6E+07	5.2E+07	<330	<330	<330	<330	<330	<330	<330	<300	<330	<300	<300	<300	<330	<300	<300
Phenanthrene	ug/kg	NC	56000	5300	2.8E+06	5.1E+06	1.6E+06	5.2E+06	<330	<330	<330	4300	<330	<330	<330	<300	<330	<300	<300	<300	<330	<300	<300
Pyrene	ug/kg	NC	4.8E+05	ID	1.0E+9(D)	1.0E+9(D)	2.9E+07	8.4E+07	<330	<330	<330	8500	<330	<330	370	<300	<330	<300	<300	<300	<330	<300	<300

Bold lettering indicates samples with metals concentrations exceeding the Michigan Statewide Default Background

Exceeds GSI protection criteria only

Exceeds residential drinking water protection criteria or both GSI and drinking water protection criteria

Exceeds residential direct contact criteria

(D) Calculated criterion exceeds 100 percent

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water

(M) Calculated criterion is below the analytical target detection limit

(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

(DD) Hazardous substances causes developmental effects

(NLL) Means hazardous substances is not likely to leach under most soil conditions

(NLV) Means hazardous substance is not likely to volatilize under most conditions

(ID) Means insufficient data to develop criterion

(NC) Means no criterion or value is available

(NA) Not analyzed

Table 2
Summary of Soil Analytical Results
GM MFD
Grand Blanc, Michigan

Parameter		MDEQ Criteria: Statewide Default Background Levels	MDEQ Criteria: Residential Drinking Water Protection	MDEQ Criteria: GSI Protection	MDEQ Criteria: Residential Indoor Air	MDEQ Criteria: Industrial Indoor Air	MDEQ Criteria: Residential Direct Contact	MDEQ Criteria: Industrial Direct Contact	SB2-20 (0'-1')	SS2-01	SS2-02	SS2-03	SS2-03S	SS2-03E	SS2-04	SS2-05	SS2-06	SS2-07	SS2-08	SS2-09	SS2-10
Arsenic	mg/kg	5.8	4.6	70 (X)	NLV	NLV	7.6	37	2.78	1.26	2.33	4.89	NA	NA	2.4	1.34	1.22	0.89	1.14	0.59	3.2
Barium	mg/kg	75	1300	440 (G,X)	NLV	NLV	37000	1.3E+05	12.6	16.2	30.6	42.9	NA	NA	49.5	38.4	44.4	47.8	42.6	73.7	67.4
Cadmium	mg/kg	1.2	6	3 (G,X)	NLV	NLV	550	2100	<0.20	<0.20	**1.36**	**7.29**	NA	NA	**5.17**	0.76	**1.21**	0.65	<0.20	<0.20	**2.4**
Chromium	mg/kg	18	1.0E+6 (D)	1.0E+6 (G,X,D)	NLV	NLV	7.9E+05	1.0E+6(D)	3	4.5	9.3	**19.1**	NA	NA	**38.1**	7.8	15.8	6.7	3.1	3.8	**34.6**
Copper	mg/kg	32	5800	73 (G)	NLV	NLV	20000	73000	7	5.6	24.8	**65.3**	NA	NA	**94.1**	18.7	**52.9**	11.6	4.9	4.5	**52.6**
Lead (Total)	mg/kg	21	700	2500 (G,X)	NLV	NLV	400	900 (DD)	11.1	11.2	**31.4**	**699**	**164**	**142**	**83.3**	20	**31.1**	**24.5**	12.2	11.6	**253**
Mercury	mg/kg	0.13	1.7	0.050 (M); 0.0012	48	89	160	580	<0.050	0.101	<0.050	0.076	NA	NA	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.087
Selenium	mg/kg	0.41	4	0.4	NLV	NLV	2600	9600	**0.51**	0.4	**0.71**	<0.50	NA	NA	<0.50	**0.43**	0.39	0.22	0.31	0.39	**0.48**
Silver	mg/kg	1	4.5	100 (M); 27	NLV	NLV	2500	9000	<0.20	<0.10	<0.10	0.24	NA	NA	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Zinc	mg/kg	47	2400	170 (G)	NLV	NLV	1.7E+05	6.3E+05	21.1	22.7	**117**	**645**	NA	NA	**691**	**80**	**191**	**56.7**	15.9	13.1	**321**
Acenaphthene	ug/kg	NC	3.0E+05	4400	1.9E+08	3.5E+08	4.1E+07	1.3E+08	<300	<330	<300	<330	NA	NA	<300	<300	<300	<300	<300	<300	<300
Acenaphthylene	ug/kg	NC	5900	ID	1.60E+06	3.00E+06	1.6E+06	5.2E+06	<300	<330	<300	<330	NA	NA	<300	<300	<300	<300	<300	<300	<300
Anthracene	ug/kg	NC	41000	ID	1.0E+9(D)	1.0E+9(D)	2.3E+08	7.3E+08	<330	<330	600	940	NA	NA	13900	2000	300	800	<300	<300	300
Benzo(a)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	<330	370	1600	3350	NA	NA	37300	10700	1600	4400	<300	<300	<300
Benzo(a)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	<330	560	2400	4140	NA	NA	37300	11700	2000	5500	<300	<300	1000
Benzo(b)fluoranthene	ug/kg	NC	NLL	NLL	ID	ID	20000	80000	<330	560	2400	3490	NA	NA	35100	13200	1800	6200	<300	<300	1300
Benzo(ghi)perylene	ug/kg	NC	NLL	NLL	NLV	NLV	2.5E+06	7.0E+06	<330	360	1700	2410	NA	NA	19400	3200	1000	1600	<300	<300	400
Benzo(k)fluoranthene	ug/kg	NC	NLL	NLL	NLV	NLV	2.0E+05	8.0E+05	<330	420	1700	3040	NA	NA	30400	12200	1900	4800	<300	<300	900
Carbazole	ug/kg	NC	9400	1100	NLV	NLV	5.3E+05	2.4E+06	NA	NA	1000	410	NA	NA	2030	NA	NA	NA	NA	NA	NA
Chrysene	ug/kg	NC	NLL	NLL	ID	ID	2.0E+06	8.0E+06	<330	440	1900	3540	NA	NA	38600	10900	1800	4800	<300	<300	1000
Dibenzo(ah)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	<330	<330	<300	<330	NA	NA	1800	400	<300	<300	<300	<300	<300
Dibenzofuran	ug/kg	NC	NLL	1700	ID	ID	ID	ID	NA	<330	<300	<330	NA	NA	1020	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/kg	NC	7.30E+05	5500	1E+9 (D)	1.0E+9 (D)	4.6E+07	1.3E+08	400	800	3600	7060	NA	NA	81600	20100	3500	8400	<300	<300	1900
Fluorene	ug/kg	NC	3.9E+05	5300	5.8E+08	1.0E+9(D)	2.7E+07	8.7E+07	<330	<330	<300	<330	NA	NA	1730	300	<300	<300	<300	<300	<300
Indeno(1,2,3-cd)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	<330	370	1500	2170	NA	NA	18300	4000	1100	2000	<300	<300	400
2-Methylnaphthalene	ug/kg	NC	57000	ID	ID	ID	8.1E+06	3.6E+07	<300	<330	<300	<330	NA	NA	<300	<300	<300	<300	<300	<300	<300
1-Methylnaphthalene	ug/kg	NC	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/kg	NC	35000	870	2.5E+05	4.7E+05	1.6E+07	5.2E+07	<300	<330	<300	<330	NA	NA	<300	<300	<300	<300	<300	<300	<300
Phenanthrene	ug/kg	NC	56000	5300	2.8E+06	5.1E+06	1.6E+06	5.2E+06	<330	390	2000	3240	NA	NA	36700	5500	1100	2100	<300	<300	1000
Pyrene	ug/kg	NC	4.8E+05	ID	1.0E+9(D)	1.0E+9(D)	2.9E+07	8.4E+07	400	640	2600	6600	NA	NA	80900	17400	2900	7300	<300	<300	1600

Bold lettering indicates samples with metals concentrations exceeding the Michigan Statewide Default Background

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Exceeds residential direct contact criteria

(D) Calculated criterion exceeds 100 percent

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Table 2
Summary of Soil Analytical Results
GM MFD
Grand Blanc, Michigan

Parameter		MDEQ Criteria: Statewide Default Background Levels	Residential Drinking Water Protection	GSI Protection	Residential Indoor Air	Industrial Indoor Air	Residential Direct Contact	Industrial Direct Contact	SS2-11	SS2-12	SS2-13	SS2-14	SS2-14D-2'	SS2-14D-3'	SS2-14D-8'	SS2-14N	SS2-14N/ Dup-05	SS2-14S	SS2-14SS	SS2-14SSS	SS2-14E	SS2-14EE
Arsenic	mg/kg	5.8	4.6	70 (X)	NLV	NLV	7.6	37	2.75	1.35	2.68	**13.5**	5.09	NA	1.08	**12.1**	**11**	**8.62**	**10.8**	2.26	**8.53**	4.43
Barium	mg/kg	75	1300	440 (G,X)	NLV	NLV	37000	1.3E+05	**79.4**	38.1	**89.7**	**93.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	1.2	6	3 (G,X)	NLV	NLV	550	2100	0.99	<0.20	0.34	**1.26**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	18	1.0E+6 (D)	1.0E+6 (G,X,D)	NLV	NLV	7.9E+05	1.0E+6(D)	**79.4**	3.9	17.4	**24.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	32	5800	73 (G)	NLV	NLV	20000	73000	**49.6**	3.5	19.8	**91.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Total)	mg/kg	21	700	2500 (G,X)	NLV	NLV	400	900 (DD)	**93.7**	6.57	**21.6**	**1020**	**35.2**	NA	9.2	**154**	**204**	**51.9**	NA	NA	**160**	NA
Mercury	mg/kg	0.13	1.7	0.050 (M); 0.0012	48	89	160	580	<0.050	<0.050	<0.050	**0.38**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	0.41	4	0.4	NLV	NLV	2600	9600	0.37	**0.54**	**0.78**	**0.48**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	mg/kg	1	4.5	100 (M); 27	NLV	NLV	2500	9000	0.64	<0.10	0.16	0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	47	2400	170 (G)	NLV	NLV	1.7E+05	6.3E+05	**89.3**	11.1	**58**	**156**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/kg	NC	3.0E+05	4400	1.9E+08	3.5E+08	4.1E+07	1.3E+08	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	NA	500	<300
Acenaphthylene	ug/kg	NC	5900	ID	1.60E+06	3.00E+06	1.6E+06	5.2E+06	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	NA	<300	<300
Anthracene	ug/kg	NC	41000	ID	1.0E+9(D)	1.0E+9(D)	2.3E+08	7.3E+08	<300	<300	<300	500	600	<300	<300	<300	<300	500	<300	NA	1300	<300
Benzo(a)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	<300	<300	<300	1500	1800	<300	<300	700	1200	3700	1300	NA	4600	900
Benzo(a)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	<300	<300	<300	2300	2100	<300	<300	1200	1600	4800	1900	NA	6000	1400
Benzo(b)fluoranthene	ug/kg	NC	NLL	NLL	ID	ID	20000	80000	<300	<300	<300	2100	2000	<300	<300	700	1600	4400	1800	NA	6500	1200
Benzo(ghi)perylene	ug/kg	NC	NLL	NLL	NLV	NLV	2.5E+06	7.0E+06	<300	<300	<300	1200	1200	<300	<300	<300	1500	3200	1300	NA	5000	1100
Benzo(k)fluoranthene	ug/kg	NC	NLL	NLL	NLV	NLV	2.0E+05	8.0E+05	<300	<300	<300	1900	1600	<300	<300	900	1300	3900	1500	NA	4400	1000
Carbazole	ug/kg	NC	9400	1100	NLV	NLV	5.3E+05	2.4E+06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	ug/kg	NC	NLL	NLL	ID	ID	2.0E+06	8.0E+06	<300	<300	<300	2000	1900	<300	<300	900	1500	3900	1500	NA	5000	900
Dibenzo(ah)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	NA	<300	<300
Dibenzofuran	ug/kg	NC	NLL	1700	ID	ID	ID	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/kg	NC	7.30E+05	5500	1E+9 (D)	1.0E+9 (D)	4.6E+07	1.3E+08	<300	<300	<300	3600	3800	<300	<300	1400	2200	6300	2400	NA	8600	1400
Fluorene	ug/kg	NC	3.9E+05	5300	5.8E+08	1.0E+9(D)	2.7E+07	8.7E+07	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	NA	400	<300
Indeno(1,2,3-cd)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	<300	<300	<300	1200	1100	<300	<300	<300	1400	3200	1200	NA	4400	900
2-Methylnaphthalene	ug/kg	NC	57000	ID	ID	ID	8.1E+06	2.6E+07	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	NA	<300	<300
1-Methylnaphthalene	ug/kg	NC	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	<300	<300	<300	<300	<300	<300	<300	NA	<300	<300
Naphthalene	ug/kg	NC	35000	870	2.5E+05	4.7E+05	1.6E+07	5.2E+07	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	NA	<300	<300
Phenanthrene	ug/kg	NC	56000	5300	2.8E+06	5.1E+06	1.6E+06	5.2E+06	<300	<300	<300	1800	2300	<300	<300	700	1200	2200	1100	NA	4900	600
Pyrene	ug/kg	NC	4.8E+05	ID	1.0E+9(D)	1.0E+9(D)	2.9E+07	8.4E+07	<300	<300	<300	3400	3500	<300	<300	1800	2900	6600	2400	NA	10500	1500

Bold lettering indicates samples with metals concentrations exceeding the Michigan Statewide Default Background

Exceeds GSI protection criteria only

Exceeds residential drinking water protection criteria or both GSI and drinking water protection criteria

Exceeds residential direct contact criteria

(D) Calculated criterion exceeds 100 percent

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water

(M) Calculated criterion is below the analytical target detection limit

(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

(DD) Hazardous substances causes developmental effects

(NLL) Means hazardous substances is not likely to leach under most soil conditions

(NLV) Means hazardous substance is not likely to volatilize under most conditions

(ID) Means insufficient data to develop criterion

(NC) Means no criterion or value is available

(NA) Not analyzed

Table 2
Summary of Soil Analytical Results
GM MFD
Grand Blanc, Michigan

Parameter		MDEQ Criteria: Statewide Default Background Levels	MDEQ Criteria: Residential Drinking Water Protection	MDEQ Criteria: GSI Protection	MDEQ Criteria: Residential Indoor Air	MDEQ Criteria: Industrial Indoor Air	MDEQ Criteria: Residential Direct Contact	MDEQ Criteria: Industrial Direct Contact	SS2-14W	SS2-14WW	SS2-14WWW	SS2-15	SS2-15D-3'	SS2-15D-7'	SS2-15N	SS2-15NN	SS2-15E	SS2-15W	SS2-16	SS2-16E	SS2-16E/ Dup-09	SS2-16W
Arsenic	mg/kg	5.8	4.6	70 (X)	NLV	NLV	7.6	37	**7.2**	**14.3**	**39.5**	3.13	NA	NA	NA	NA	NA	NA	5.62	NA	NA	NA
Barium	mg/kg	75	1300	440 (G,X)	NLV	NLV	37000	1.3E+05	NA	NA	NA	66	NA	NA	NA	NA	NA	NA	62.1	NA	NA	NA
Cadmium	mg/kg	1.2	6	3 (G,X)	NLV	NLV	550	2100	NA	NA	NA	0.74	NA	NA	NA	NA	NA	NA	**3.5**	NA	NA	NA
Chromium	mg/kg	18	1.0E+6 (D)	1.0E+6 (G,X,D)	NLV	NLV	7.9E+05	1.0E+6(D)	NA	NA	NA	13.4	NA	NA	NA	NA	NA	NA	**49.1**	NA	NA	NA
Copper	mg/kg	32	5800	73 (G)	NLV	NLV	20000	73000	NA	NA	NA	27.4	NA	NA	NA	NA	NA	NA	**76.6**	NA	NA	NA
Lead (Total)	mg/kg	21	700	2500 (G,X)	NLV	NLV	400	900 (DD)	**109**	NA	NA	**90.9**	NA	NA	NA	NA	NA	NA	**229**	NA	NA	NA
Mercury	mg/kg	0.13	1.7	0.050 (M); 0.0012	48	89	160	580	NA	NA	NA	0.073	NA	NA	NA	NA	NA	NA	**0.289**	NA	NA	NA
Selenium	mg/kg	0.41	4	0.4	NLV	NLV	2600	9600	NA	NA	NA	**0.56**	NA	NA	NA	NA	NA	NA	**0.83**	NA	NA	NA
Silver	mg/kg	1	4.5	100 (M); 27	NLV	NLV	2500	9000	NA	NA	NA	0.21	NA	NA	NA	NA	NA	NA	0.17	NA	NA	NA
Zinc	mg/kg	47	2400	170 (G)	NLV	NLV	1.7E+05	6.3E+05	NA	NA	NA	**100**	NA	NA	NA	NA	NA	NA	**755**	NA	NA	NA
Acenaphthene	ug/kg	NC	3.0E+05	4400	1.9E+08	3.5E+08	4.1E+07	1.3E+08	<300	<300	NA	400	<300	<300	1600	<300	<300	<300	<300	<300	<300	<300
Acenaphthylene	ug/kg	NC	5900	ID	1.60E+06	3.00E+06	1.6E+06	5.2E+06	<300	<300	NA	<300	<300	<300	<300	<300	<300	<300	600	<300	<300	<300
Anthracene	ug/kg	NC	41000	ID	1.0E+9(D)	1.0E+9(D)	2.3E+08	7.3E+08	500	<300	NA	1000	<300	<300	3800	<300	<300	<300	600	<300	<300	<300
Benzo(a)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	1900	1000	NA	2100	<300	<300	13000	<300	600	1300	2100	500	750	<300
Benzo(a)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	2800	1500	NA	3000	<300	<300	15600	<300	1100	1900	3300	700	1210	<300
Benzo(b)fluoranthene	ug/kg	NC	NLL	NLL	ID	ID	20000	80000	2200	1400	NA	3200	<300	<300	17400	<300	800	1500	4600	1000	2960	<300
Benzo(ghi)perylene	ug/kg	NC	NLL	NLL	NLV	NLV	2.5E+06	7.0E+06	2100	900	NA	1200	<300	<300	9900	<300	900	1300	1200	600	820	<300
Benzo(k)fluoranthene	ug/kg	NC	NLL	NLL	NLV	NLV	2.0E+05	8.0E+05	2400	1200	NA	2700	<300	<300	12300	<300	700	1300	4100	800	3050	<300
Carbazole	ug/kg	NC	9400	1100	NLV	NLV	5.3E+05	2.4E+06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	ug/kg	NC	NLL	NLL	ID	ID	2.0E+06	8.0E+06	2100	1200	NA	3000	<300	<300	14800	<300	600	1300	3700	800	1410	<300
Dibenzo(ah)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	<300	<300	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Dibenzofuran	ug/kg	NC	NLL	1700	ID	ID	ID	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/kg	NC	7.30E+05	5500	1E+9 (D)	1.0E+9 (D)	4.6E+07	1.3E+08	3500	2300	NA	5000	<300	<300	25600	<300	1200	2700	5700	1100	2040	300
Fluorene	ug/kg	NC	3.9E+05	5300	5.8E+08	1.0E+9(D)	2.7E+07	8.7E+07	<300	<300	NA	400	<300	<300	1300	<300	<300	<300	<300	<300	<300	<300
Indeno(1,2,3-cd)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	1600	900	NA	1400	<300	<300	10200	<300	800	1300	1400	500	830	<300
2-Methylnaphthalene	ug/kg	NC	57000	ID	ID	ID	8.1E+06	2.6E+07	<300	<300	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
1-Methylnaphthalene	ug/kg	NC	NC	NC	NC	NC	NC	NC	<300	<300	NA	NA	<300	<300	<300	<300	<300	<300	NA	<300	<300	<300
Naphthalene	ug/kg	NC	35000	870	2.5E+05	4.7E+05	1.6E+07	5.2E+07	<300	<300	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Phenanthrene	ug/kg	NC	56000	5300	2.8E+06	5.1E+06	1.6E+06	5.2E+06	2200	1200	NA	4700	<300	<300	15300	400	600	1300	1800	400	580	<300
Pyrene	ug/kg	NC	4.8E+05	ID	1.0E+9(D)	1.0E+9(D)	2.9E+07	8.4E+07	3900	2200	NA	6000	<300	<300	34700	<300	1400	2700	4800	1100	1910	300

Bold lettering indicates samples with metals concentrations exceeding the Michigan Statewide Default Background

Exceeds GSI protection criteria only

Exceeds residential drinking water protection criteria or both GSI and drinking water protection criteria

Exceeds residential direct contact criteria

(D) Calculated criterion exceeds 100 percent

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water

(M) Calculated criterion is below the analytical target detection limit

(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

(DD) Hazardous substances causes developmental effects

(NLL) Means hazardous substances is not likely to leach under most soil conditions

(NLV) Means hazardous substance is not likely to volatilize under most conditions

(ID) Means insufficient data to develop criterion

(NC) Means no criterion or value is available

(NA) Not analyzed

Table 2
Summary of Soil Analytical Results
GM MFD
Grand Blanc, Michigan

Parameter		MDEQ Criteria: Statewide Default Background Levels	MDEQ Criteria: Residential Drinking Water Protection	MDEQ Criteria: GSI Protection	MDEQ Criteria: Residential Indoor Air	MDEQ Criteria: Industrial Indoor Air	MDEQ Criteria: Residential Direct Contact	MDEQ Criteria: Industrial Direct Contact	SS2-17	SS2-18	SS2-19	SS2-19/ Dup-08	SS2-19D-3'	SS2-19N	SS2-19S	SS2-19E	SS2-19W	SS2-20	SS2-20D-3'	SS2-20D-8'	SS2-20N	SS2-20S
Arsenic	mg/kg	5.8	4.6	70 (X)	NLV	NLV	7.6	37	1.54	3.08	3.69	3.41	NA	NA	NA	NA	NA	3.36	NA	NA	NA	NA
Barium	mg/kg	75	1300	440 (G,X)	NLV	NLV	37000	1.3E+05	55.6	59.4	**84.3**	**101**	NA	NA	NA	NA	NA	30.9	NA	NA	NA	NA
Cadmium	mg/kg	1.2	6	3 (G,X)	NLV	NLV	550	2100	0.73	**5.74**	**1.88**	**1.72**	NA	NA	NA	NA	NA	**1.51**	NA	NA	NA	NA
Chromium	mg/kg	18	1.0E+6 (D)	1.0E+6 (G,X,D)	NLV	NLV	7.9E+05	1.0E+6(D)	7.9	**42.8**	**22.5**	**90.3**	NA	NA	NA	NA	NA	12.8	NA	NA	NA	NA
Copper	mg/kg	32	5800	73 (G)	NLV	NLV	20000	73000	9.8	**34.7**	**100**	**258**	NA	NA	NA	NA	NA	**128**	NA	NA	NA	NA
Lead (Total)	mg/kg	21	700	2500 (G,X)	NLV	NLV	400	900 (DD)	**26.1**	**183**	**103**	**143**	NA	NA	NA	NA	NA	**94**	NA	NA	NA	NA
Mercury	mg/kg	0.13	1.7	0.050 (M); 0.0012	48	89	160	580	<0.050	0.060	**0.552**	**0.275**	NA	NA	NA	NA	NA	**2.760**	<0.050	<0.050	**2.761**	**5.976**
Selenium	mg/kg	0.41	4	0.4	NLV	NLV	2600	9600	**0.43**	**0.74**	**0.79**	**0.61**	NA	NA	NA	NA	NA	**0.49**	NA	NA	NA	NA
Silver	mg/kg	1	4.5	100 (M); 27	NLV	NLV	2500	9000	<0.20	0.1	0.41	0.44	NA	NA	NA	NA	NA	0.15	NA	NA	NA	NA
Zinc	mg/kg	47	2400	170 (G)	NLV	NLV	1.7E+05	6.3E+05	37.9	**300**	**1960**	**1310**	NA	NA	NA	NA	NA	**613**	NA	NA	NA	NA
Acenaphthene	ug/kg	NC	3.0E+05	4400	1.9E+08	3.5E+08	4.1E+07	1.3E+08	<300	<300	<300	300	400	<300	<300	<300	<300	<300	NA	NA	NA	NA
Acenaphthylene	ug/kg	NC	5900	ID	1.60E+06	3.00E+06	1.6E+06	5.2E+06	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	NA	NA	NA	NA
Anthracene	ug/kg	NC	41000	ID	1.0E+9(D)	1.0E+9(D)	2.3E+08	7.3E+08	<300	<300	<300	1000	500	<300	<300	<300	<300	<300	NA	NA	NA	NA
Benzo(a)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	<300	<300	500	2700	1300	<300	500	<300	<300	<400	NA	NA	NA	NA
Benzo(a)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	<300	500	1200	3800	1400	<300	600	<300	300	900	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/kg	NC	NLL	NLL	ID	ID	20000	80000	<300	700	1300	4100	1200	<300	600	<300	<300	1300	NA	NA	NA	NA
Benzo(ghi)perylene	ug/kg	NC	NLL	NLL	NLV	NLV	2.5E+06	7.0E+06	<300	<300	400	1300	1000	<300	500	<300	<300	400	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/kg	NC	NLL	NLL	NLV	NLV	2.0E+05	8.0E+05	<300	600	1300	3600	1300	<300	600	<300	<300	700	NA	NA	NA	NA
Carbazole	ug/kg	NC	9400	1100	NLV	NLV	5.3E+05	2.4E+06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	ug/kg	NC	NLL	NLL	ID	ID	2.0E+06	8.0E+06	<300	600	1200	3600	1400	<300	600	<300	<300	700	NA	NA	NA	NA
Dibenzo(ah)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	<300	<300	<300	<300	<300	<300	<300	<300	<300	<400	NA	NA	NA	NA
Dibenzofuran	ug/kg	NC	NLL	1700	ID	ID	ID	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/kg	NC	7.30E+05	5500	1E+9 (D)	1.0E+9 (D)	4.6E+07	1.3E+08	300	1500	2200	7200	3600	<300	1100	<300	500	1000	NA	NA	NA	NA
Fluorene	ug/kg	NC	3.9E+05	5300	5.8E+08	1.0E+9(D)	2.7E+07	8.7E+07	<300	<300	<300	400	<300	<300	<300	<300	<300	<400	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	<300	<300	500	1500	1000	<300	500	<300	<300	600	NA	NA	NA	NA
2-Methylnaphthalene	ug/kg	NC	57000	ID	ID	ID	8.1E+06	2.6E+07	<300	<300	<300	<300	<300	<300	<300	<300	<300	<400	NA	NA	NA	NA
1-Methylnaphthalene	ug/kg	NC	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	<300	<300	<300	<300	<300	NA	NA	NA	NA	NA
Naphthalene	ug/kg	NC	35000	870	2.5E+05	4.7E+05	1.6E+07	5.2E+07	<300	<300	<300	<300	<300	<300	<300	<300	<300	<400	NA	NA	NA	NA
Phenanthrene	ug/kg	NC	56000	5300	2.8E+06	5.1E+06	1.6E+06	5.2E+06	<300	500	900	3900	3200	<300	700	<300	300	500	NA	NA	NA	NA
Pyrene	ug/kg	NC	4.8E+05	ID	1.0E+9(D)	1.0E+9(D)	2.9E+07	8.4E+07	<300	1100	1800	6000	3400	<300	1000	<300	500	1200	NA	NA	NA	NA

Bold lettering indicates samples with metals concentrations exceeding the Michigan Statewide Default Background

Exceeds GSI protection criteria only

Exceeds residential drinking water protection criteria or both GSI and drinking water protection criteria

Exceeds residential direct contact criteria

(D) Calculated criterion exceeds 100 percent

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water

(M) Calculated criterion is below the analytical target detection limit

(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

(DD) Hazardous substances causes developmental effects

(NLL) Means hazardous substances is not likely to leach under most soil conditions

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(ID) Means insufficient data to develop criterion

(NC) Means no criterion or value is available

(NA) Not analyzed

Table 2
Summary of Soil Analytical Results
GM MFD
Grand Blanc, Michigan

Parameter		MDEQ Criteria: Statewide Default Background Levels	MDEQ Criteria: Residential Drinking Water Protection	MDEQ Criteria: GSI Protection	MDEQ Criteria: Residential Indoor Air	MDEQ Criteria: Industrial Indoor Air	MDEQ Criteria: Residential Direct Contact	MDEQ Criteria: Industrial Direct Contact	SS2-20E	SS2-20W	SS2-21	SS2-21D-4.8'	SS2-21N	SS2-21NN	SS2-21S	SS2-21SS	SS2-21SS/Dup-08	SS2-21E	SS2-21EE	SS2-21W	SS2-21W/Dup-03	SS2-21WW
Arsenic	mg/kg	5.8	4.6	70 (X)	NLV	NLV	7.6	37	NA	NA	**8.24**	0.95	5.45	NA	**11.4**	5.6	4.53	3.26	NA	**12.7**	**14.1**	**47.2**
Barium	mg/kg	75	1300	440 (G,X)	NLV	NLV	37000	1.3E+05	NA	NA	**161**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	1.2	6	3 (G,X)	NLV	NLV	550	2100	NA	NA	**4.98**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	18	1.0E+6 (D)	1.0E+6 (G,X,D)	NLV	NLV	7.9E+05	1.0E+6(D)	NA	NA	**81.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	32	5800	73 (G)	NLV	NLV	20000	73000	NA	NA	**153**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Total)	mg/kg	21	700	2500 (G,X)	NLV	NLV	400	900 (DD)	NA	NA	**284**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	0.13	1.7	0.050 (M); 0.0012	48	89	160	580	**2.736**	**2.242**	**0.175**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	0.41	4	0.4	NLV	NLV	2600	9600	NA	NA	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	mg/kg	1	4.5	100 (M); 27	NLV	NLV	2500	9000	NA	NA	**1.16**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	47	2400	170 (G)	NLV	NLV	1.7E+05	6.3E+05	NA	NA	**812**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/kg	NC	3.0E+05	4400	1.9E+08	3.5E+08	4.1E+07	1.3E+08	NA	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	NA
Acenaphthylene	ug/kg	NC	5900	ID	1.60E+06	3.00E+06	1.6E+06	5.2E+06	NA	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	NA
Anthracene	ug/kg	NC	41000	ID	1.0E+9(D)	1.0E+9(D)	2.3E+08	7.3E+08	NA	NA	400	<300	500	<300	400	<300	<300	<300	500	<300	300	NA
Benzo(a)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	NA	NA	1400	<300	2100	<300	2900	<300	<300	1700	2000	<300	1300	NA
Benzo(a)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	NA	NA	2100	<300	2500	300	4400	<300	400	2000	2700	<300	1300	NA
Benzo(b)fluoranthene	ug/kg	NC	NLL	NLL	ID	ID	20000	80000	NA	NA	2100	<300	2500	400	4100	<300	500	2000	2600	<300	1200	NA
Benzo(ghi)perylene	ug/kg	NC	NLL	NLL	NLV	NLV	2.5E+06	7.0E+06	NA	NA	1400	<300	2100	<300	3800	<300	400	1600	1700	<300	1000	NA
Benzo(k)fluoranthene	ug/kg	NC	NLL	NLL	NLV	NLV	2.0E+05	8.0E+05	NA	NA	1800	<300	2200	<300	3800	<300	400	1900	2200	<300	1200	NA
Carbazole	ug/kg	NC	9400	1100	NLV	NLV	5.3E+05	2.4E+06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	ug/kg	NC	NLL	NLL	ID	ID	2.0E+06	8.0E+06	NA	NA	1900	<300	2500	<300	3300	<300	300	1800	2200	<300	1400	NA
Dibenzo(ah)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	NA	NA	<300	<300	<300	<300	<300	<300	<300	<300	700	<300	<300	NA
Dibenzofuran	ug/kg	NC	NLL	1700	ID	ID	ID	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/kg	NC	7.30E+05	5500	1E+9 (D)	1.0E+9 (D)	4.6E+07	1.3E+08	NA	NA	3600	<300	4300	500	3600	<300	300	2300	4100	<300	2100	NA
Fluorene	ug/kg	NC	3.9E+05	5300	5.8E+08	1.0E+9(D)	2.7E+07	8.7E+07	NA	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	NA
Indeno(1,2,3-cd)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	NA	NA	1400	<300	2000	<300	3600	<300	400	1600	1700	<300	1000	NA
2-Methylnaphthalene	ug/kg	NC	57000	ID	ID	ID	8.1E+06	2.6E+07	NA	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	6200	<300	NA
1-Methylnaphthalene	ug/kg	NC	NC	NC	NC	NC	NC	NC	NA	NA	NA	<300	<300	<300	<300	<300	<300	<300	<300	2400	<300	NA
Naphthalene	ug/kg	NC	35000	870	2.5E+05	4.7E+05	1.6E+07	5.2E+07	NA	NA	<300	<300	<300	<300	<300	<300	<300	<300	<300	3500	<300	NA
Phenanthrene	ug/kg	NC	56000	5300	2.8E+06	5.1E+06	1.6E+06	5.2E+06	NA	NA	1600	<300	2400	<300	1800	<300	<300	900	2300	<300	1300	NA
Pyrene	ug/kg	NC	4.8E+05	ID	1.0E+9(D)	1.0E+9(D)	2.9E+07	8.4E+07	NA	NA	3100	<300	4500	400	4200	<300	300	2800	3800	<300	2300	NA

Bold lettering indicates samples with metals concentrations exceeding the Michigan Statewide Default Background

Exceeds GSI protection criteria only

Exceeds residential drinking water protection criteria or both GSI and drinking water protection criteria

Exceeds residential direct contact criteria

(D) Calculated criterion exceeds 100 percent

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water

(M) Calculated criterion is below the analytical target detection limit

(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

(DD) Hazardous substances causes developmental effects

(NLL) Means hazardous substances is not likely to leach under most soil conditions

(NLV) Means hazardous substance is not likely to volatilize under most conditions

(ID) Means insufficient data to develop criterion

(NC) Means no criterion or value is available

(NA) Not analyzed

Table 2
Summary of Soil Analytical Results
GM MFD
Grand Blanc, Michigan

Parameter		MDEQ Criteria: Statewide Default Background Levels	Residential Drinking Water Protection	GSI Protection	Residential Indoor Air	Industrial Indoor Air	Residential Direct Contact	Industrial Direct Contact	SS2-21WWW	SS2-21WWW/ Dup-11	SS2-21NW	SS2-21SW	SS2-22	SS2-22D-1.2'	SS2-22N	SS2-22E	SS2-22S	SS2-22W	SS2-22WW	SS2-22SW	SS2-23	SS2-23D-2.5'
Arsenic	mg/kg	5.8	4.6	70 (X)	NLV	NLV	7.6	37	**7.14**	**6.35**	**28.7**	**6.16**	5.66	1.08	**7.33**	4.81	4.69	**18**	5.05	1.22	**15.7**	1.34
Barium	mg/kg	75	1300	440 (G,X)	NLV	NLV	37000	1.3E+05	NA	NA	NA	NA	**91.9**	NA	NA	NA	NA	NA	NA	NA	**79.4**	NA
Cadmium	mg/kg	1.2	6	3 (G,X)	NLV	NLV	550	2100	NA	NA	NA	NA	**1.27**	NA	NA	NA	NA	NA	NA	NA	0.85	NA
Chromium	mg/kg	18	1.0E+6 (D)	1.0E+6 (G,X,D)	NLV	NLV	7.9E+05	1.0E+6(D)	NA	NA	NA	NA	**20**	NA	NA	NA	NA	NA	NA	NA	7.4	NA
Copper	mg/kg	32	5800	73 (G)	NLV	NLV	20000	73000	NA	NA	NA	NA	**126**	NA	NA	NA	NA	NA	NA	NA	28.1	NA
Lead (Total)	mg/kg	21	700	2500 (G,X)	NLV	NLV	400	900 (DD)	NA	NA	NA	NA	**66**	NA	NA	NA	NA	NA	NA	NA	**34.8**	NA
Mercury	mg/kg	0.13	1.7	0.050 (M); 0.0012	48	89	160	580	NA	NA	NA	NA	0.127	NA	NA	NA	NA	NA	NA	NA	0.071	NA
Selenium	mg/kg	0.41	4	0.4	NLV	NLV	2600	9600	NA	NA	NA	NA	**0.61**	NA	NA	NA	NA	NA	NA	NA	**1.08**	NA
Silver	mg/kg	1	4.5	100 (M); 27	NLV	NLV	2500	9000	NA	NA	NA	NA	0.66	NA	NA	NA	NA	NA	NA	NA	0.14	NA
Zinc	mg/kg	47	2400	170 (G)	NLV	NLV	1.7E+05	6.3E+05	NA	NA	NA	NA	**1460**	NA	NA	NA	NA	NA	NA	NA	**91.8**	NA
Acenaphthene	ug/kg	NC	3.0E+05	4400	1.9E+08	3.5E+08	4.1E+07	1.3E+08	NA	NA	NA	NA	<300	NA	NA	NA	NA	NA	NA	NA	<300	NA
Acenaphthylene	ug/kg	NC	5900	ID	1.60E+06	3.00E+06	1.6E+06	5.2E+06	NA	NA	NA	NA	<300	NA	NA	NA	NA	NA	NA	NA	<300	NA
Anthracene	ug/kg	NC	41000	ID	1.0E+9(D)	1.0E+9(D)	2.3E+08	7.3E+08	NA	NA	NA	NA	<300	NA	NA	NA	NA	NA	NA	NA	<300	NA
Benzo(a)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	NA	NA	NA	NA	300	NA	NA	NA	NA	NA	NA	NA	700	NA
Benzo(a)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	NA	NA	NA	NA	800	NA	NA	NA	NA	NA	NA	NA	1300	NA
Benzo(b)fluoranthene	ug/kg	NC	NLL	NLL	ID	ID	20000	80000	NA	NA	NA	NA	800	NA	NA	NA	NA	NA	NA	NA	1500	NA
Benzo(ghi)perylene	ug/kg	NC	NLL	NLL	NLV	NLV	2.5E+06	7.0E+06	NA	NA	NA	NA	500	NA	NA	NA	NA	NA	NA	NA	800	NA
Benzo(k)fluoranthene	ug/kg	NC	NLL	NLL	NLV	NLV	2.0E+05	8.0E+05	NA	NA	NA	NA	700	NA	NA	NA	NA	NA	NA	NA	1100	NA
Carbazole	ug/kg	NC	9400	1100	NLV	NLV	5.3E+05	2.4E+06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	ug/kg	NC	NLL	NLL	ID	ID	2.0E+06	8.0E+06	NA	NA	NA	NA	700	NA	NA	NA	NA	NA	NA	NA	1200	NA
Dibenzo(ah)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	NA	NA	NA	NA	<300	NA	NA	NA	NA	NA	NA	NA	<300	NA
Dibenzofuran	ug/kg	NC	NLL	1700	ID	ID	ID	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/kg	NC	7.30E+05	5500	1E+9 (D)	1.0E+9 (D)	4.6E+07	1.3E+08	NA	NA	NA	NA	1300	NA	NA	NA	NA	NA	NA	NA	2900	NA
Fluorene	ug/kg	NC	3.9E+05	5300	5.8E+08	1.0E+9(D)	2.7E+07	8.7E+07	NA	NA	NA	NA	<300	NA	NA	NA	NA	NA	NA	NA	<300	NA
Indeno(1,2,3-cd)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	NA	NA	NA	NA	500	NA	NA	NA	NA	NA	NA	NA	800	NA
2-Methylnaphthalene	ug/kg	NC	57000	ID	ID	ID	8.1E+06	2.6E+07	NA	NA	NA	NA	<300	NA	NA	NA	NA	NA	NA	NA	<300	NA
1-Methylnaphthalene	ug/kg	NC	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/kg	NC	35000	870	2.5E+05	4.7E+05	1.6E+07	5.2E+07	NA	NA	NA	NA	<300	NA	NA	NA	NA	NA	NA	NA	<300	NA
Phenanthrene	ug/kg	NC	56000	5300	2.8E+06	5.1E+06	1.6E+06	5.2E+06	NA	NA	NA	NA	500	NA	NA	NA	NA	NA	NA	NA	1300	NA
Pyrene	ug/kg	NC	4.8E+05	ID	1.0E+9(D)	1.0E+9(D)	2.9E+07	8.4E+07	NA	NA	NA	NA	1100	NA	NA	NA	NA	NA	NA	NA	2200	NA

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GM MFD
Grand Blanc, Michigan

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Arsenic	mg/kg	5.8	4.6	70 (X)	NLV	NLV	7.6	37	4.55	**7.51**	**7.32**	2.69	2.83	2.49	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	75	1300	440 (G,X)	NLV	NLV	37000	1.3E+05	NA	NA	NA	NA	NA	17.6	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	1.2	6	3 (G,X)	NLV	NLV	550	2100	NA	NA	NA	NA	NA	**1.55**	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	18	1.0E+6 (D)	1.0E+6 (G,X,D)	NLV	NLV	7.9E+05	1.0E+6(D)	NA	NA	NA	NA	NA	15	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	32	5800	73 (G)	NLV	NLV	20000	73000	NA	NA	NA	NA	NA	**40.9**	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Total)	mg/kg	21	700	2500 (G,X)	NLV	NLV	400	900 (DD)	NA	NA	NA	NA	NA	**314**	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	0.13	1.7	0.050 (M); 0.0012	48	89	160	580	NA	NA	NA	NA	NA	**0.701**	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	0.41	4	0.4	NLV	NLV	2600	9600	NA	NA	NA	NA	NA	0.36	NA	NA	NA	NA	NA	NA	NA	NA
Silver	mg/kg	1	4.5	100 (M); 27	NLV	NLV	2500	9000	NA	NA	NA	NA	NA	0.12	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	47	2400	170 (G)	NLV	NLV	1.7E+05	6.3E+05	NA	NA	NA	NA	NA	**1040**	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/kg	NC	3.0E+05	4400	1.9E+08	3.5E+08	4.1E+07	1.3E+08	NA	NA	NA	NA	NA	<300	500	4400	4800	<300	<300	400	<300	<300
Acenaphthylene	ug/kg	NC	5900	ID	1.60E+06	3.00E+06	1.6E+06	5.2E+06	NA	NA	NA	NA	NA	<300	<300	<500	<500	<300	<300	<300	<300	<300
Anthracene	ug/kg	NC	41000	ID	1.0E+9(D)	1.0E+9(D)	2.3E+08	7.3E+08	NA	NA	NA	NA	NA	700	1000	6600	8900	<300	<300	800	<300	<300
Benzo(a)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	NA	NA	NA	NA	NA	1800	3000	14700	19200	<300	<300	2700	700	<300
Benzo(a)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	NA	NA	NA	NA	NA	2300	3400	15000	20400	<300	<300	3000	1000	600
Benzo(b)fluoranthene	ug/kg	NC	NLL	NLL	ID	ID	20000	80000	NA	NA	NA	NA	NA	2400	3000	16900	26000	<300	<300	2900	1000	<300
Benzo(ghi)perylene	ug/kg	NC	NLL	NLL	NLV	NLV	2.5E+06	7.0E+06	NA	NA	NA	NA	NA	1400	1900	4500	4400	<300	<300	2300	700	<300
Benzo(k)fluoranthene	ug/kg	NC	NLL	NLL	NLV	NLV	2.0E+05	8.0E+05	NA	NA	NA	NA	NA	2000	3200	13200	20800	<300	<300	2900	1000	<300
Carbazole	ug/kg	NC	9400	1100	NLV	NLV	5.3E+05	2.4E+06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	ug/kg	NC	NLL	NLL	ID	ID	2.0E+06	8.0E+06	NA	NA	NA	NA	NA	2100	3300	15400	19000	<300	<300	3000	1000	<300
Dibenzo(ah)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	NA	NA	NA	NA	NA	<300	<300	2100	<500	<300	<300	<300	<300	<300
Dibenzofuran	ug/kg	NC	NLL	1700	ID	ID	ID	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/kg	NC	7.30E+05	5500	1E+9 (D)	1.0E+9 (D)	4.6E+07	1.3E+08	NA	NA	NA	NA	NA	4600	6600	37400	58300	<300	<300	4700	1300	500
Fluorene	ug/kg	NC	3.9E+05	5300	5.8E+08	1.0E+9(D)	2.7E+07	8.7E+07	NA	NA	NA	NA	NA	<300	500	4300	6000	<300	<300	300	<300	<300
Indeno(1,2,3-cd)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	NA	NA	NA	NA	NA	1400	1800	5000	5200	<300	<300	2100	700	<300
2-Methylnaphthalene	ug/kg	NC	57000	ID	ID	ID	8.1E+06	2.6E+07	NA	NA	NA	NA	NA	<300	<300	1400	3600	<300	<300	<300	<300	<300
1-Methylnaphthalene	ug/kg	NC	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	<300	900	2400	<300	<300	<300	<300	<300
Naphthalene	ug/kg	NC	35000	870	2.5E+05	4.7E+05	1.6E+07	5.2E+07	NA	NA	NA	NA	NA	<300	<300	1800	13700	<300	<300	<300	<300	<300
Phenanthrene	ug/kg	NC	56000	5300	2.8E+06	5.1E+06	1.6E+06	5.2E+06	NA	NA	NA	NA	NA	2700	4400	31800	51100	<300	<300	3100	700	<300
Pyrene	ug/kg	NC	4.8E+05	ID	1.0E+9(D)	1.0E+9(D)	2.9E+07	8.4E+07	NA	NA	NA	NA	NA	4100	6200	35100	35100	<300	<300	5200	1400	600

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Exceeds residential drinking water protection criteria or both GSI and drinking water protection criteria

Exceeds residential direct contact criteria

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Grand Blanc, Michigan

Parameter		MDEQ Criteria: Statewide Default Background Levels	Residential Drinking Water Protection	GSI Protection	Residential Indoor Air	Industrial Indoor Air	Residential Direct Contact	Industrial Direct Contact	SS2-24S	SS2-24S/ Dup-06	SS2-24W	SS2-24WW	SS2-24NW	SS2-25	SS2-27	SS2-27D-2.5'	SS2-28	SS2-29	SS2-30	SS2-30/ Dup-09	SS2-31	SS2-32
Arsenic	mg/kg	5.8	4.6	70 (X)	NLV	NLV	7.6	37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.86	3.19	2.68	5.55
Barium	mg/kg	75	1300	440 (G,X)	NLV	NLV	37000	1.3E+05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.4	40	49.3	**89.9**
Cadmium	mg/kg	1.2	6	3 (G,X)	NLV	NLV	550	2100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.33**	**2.31**	**1.6**	**1.2**
Chromium	mg/kg	18	1.0E+6 (D)	1.0E+6 (G,X,D)	NLV	NLV	7.9E+05	1.0E+6(D)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**30.4**	**21.5**	**18.2**	**22.9**
Copper	mg/kg	32	5800	73 (G)	NLV	NLV	20000	73000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.9	17.7	17.5	**42.3**
Lead (Total)	mg/kg	21	700	2500 (G,X)	NLV	NLV	400	900 (DD)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**75.5**	**68**	**72.7**	**98.1**
Mercury	mg/kg	0.13	1.7	0.050 (M); 0.0012	48	89	160	580	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.050	<0.050	<0.050	0.060
Selenium	mg/kg	0.41	4	0.4	NLV	NLV	2600	9600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.49**	0.31	**0.46**	**0.68**
Silver	mg/kg	1	4.5	100 (M); 27	NLV	NLV	2500	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.10	<0.10	0.19	0.22
Zinc	mg/kg	47	2400	170 (G)	NLV	NLV	1.7E+05	6.3E+05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**198**	**149**	**143**	**500**
Acenaphthene	ug/kg	NC	3.0E+05	4400	1.9E+08	3.5E+08	4.1E+07	1.3E+08	<300	<300	400	<300	<300	<300	800	<300	<300	300	<300	<300	<300	<300
Acenaphthylene	ug/kg	NC	5900	ID	1.60E+06	3.00E+06	1.6E+06	5.2E+06	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Anthracene	ug/kg	NC	41000	ID	1.0E+9(D)	1.0E+9(D)	2.3E+08	7.3E+08	<300	<300	900	<300	<300	<300	4100	<300	<300	700	<300	<300	<300	<300
Benzo(a)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	600	<300	3000	700	1100	300	26400	<300	<300	2100	<300	<300	<300	<300
Benzo(a)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	900	<300	3200	1100	1400	1000	27100	400	<300	2800	300	<300	600	<300
Benzo(b)fluoranthene	ug/kg	NC	NLL	NLL	ID	ID	20000	80000	800	<300	2500	1100	1500	1000	32800	<300	<300	3000	400	400	800	<300
Benzo(ghi)perylene	ug/kg	NC	NLL	NLL	NLV	NLV	2.5E+06	7.0E+06	700	<300	2300	1100	800	400	6600	<300	<300	900	<300	<300	<300	<300
Benzo(k)fluoranthene	ug/kg	NC	NLL	NLL	NLV	NLV	2.0E+05	8.0E+05	600	<300	3200	900	800	900	24600	<300	<300	2700	400	400	700	<300
Carbazole	ug/kg	NC	9400	1100	NLV	NLV	5.3E+05	2.4E+06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	ug/kg	NC	NLL	NLL	ID	ID	2.0E+06	8.0E+06	700	<300	3200	800	1100	800	25300	<300	<300	2600	400	<300	600	<300
Dibenzo(ah)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	<300	<300	<300	<300	<300	<300	900	<300	<300	<300	<300	<300	<300	<300
Dibenzofuran	ug/kg	NC	NLL	1700	ID	ID	ID	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/kg	NC	7.30E+05	5500	1E+9 (D)	1.0E+9 (D)	4.6E+07	1.3E+08	1400	<300	5400	2200	1900	1500	45000	400	<300	5100	600	400	1200	<300
Fluorene	ug/kg	NC	3.9E+05	5300	5.8E+08	1.0E+9(D)	2.7E+07	8.7E+07	<300	<300	400	<300	<300	<300	800	<300	<300	<300	<300	<300	<300	<300
Indeno(1,2,3-cd)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	600	<300	2200	900	800	500	8600	<300	<300	1000	<300	<300	<300	<300
2-Methylnaphthalene	ug/kg	NC	57000	ID	ID	ID	8.1E+06	2.6E+07	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
1-Methylnaphthalene	ug/kg	NC	NC	NC	NC	NC	NC	NC	<300	<300	<300	<300	<300	NA	NA	<300	NA	NA	NA	NA	NA	NA
Naphthalene	ug/kg	NC	35000	870	2.5E+05	4.7E+05	1.6E+07	5.2E+07	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Phenanthrene	ug/kg	NC	56000	5300	2.8E+06	5.1E+06	1.6E+06	5.2E+06	700	<300	3900	500	1200	600	12700	<300	<300	2900	<300	<300	500	<300
Pyrene	ug/kg	NC	4.8E+05	ID	1.0E+9(D)	1.0E+9(D)	2.9E+07	8.4E+07	1600	<300	6300	1300	2000	1400	42100	500	<300	4700	600	400	1100	<300

Bold lettering indicates samples with metals concentrations exceeding the Michigan Statewide Default Background

Exceeds GSI protection criteria only

Exceeds residential drinking water protection criteria or both GSI and drinking water protection criteria

Exceeds residential direct contact criteria

(D) Calculated criterion exceeds 100 percent

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water

(M) Calculated criterion is below the analytical target detection limit

(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

(DD) Hazardous substances causes developmental effects

(NLL) Means hazardous substances is not likely to leach under most soil conditions

(NLV) Means hazardous substance is not likely to volatilize under most conditions

(ID) Means insufficient data to develop criterion

(NC) Means no criterion or value is available

(NA) Not analyzed

Table 2
Summary of Soil Analytical Results
GM MFD
Grand Blanc, Michigan

Parameter		MDEQ Criteria: Statewide Default Background Levels	MDEQ Criteria: Residential Drinking Water Protection	MDEQ Criteria: GSI Protection	MDEQ Criteria: Residential Indoor Air	MDEQ Criteria: Industrial Indoor Air	MDEQ Criteria: Residential Direct Contact	MDEQ Criteria: Industrial Direct Contact	SS2-36	SS2-37	SS2-37/Dup-04	SS2-38	SS2-39	SS2-40	SS2-41	SS2-42	SS2-43	SS2-43/Dup-10	SS2-46	SS2-46N	SS2-46NN	SS2-46S
Arsenic	mg/kg	5.8	4.6	70 (X)	NLV	NLV	7.6	37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**91.8**	**45.2**	**22.4**	**59.4**
Barium	mg/kg	75	1300	440 (G,X)	NLV	NLV	37000	1.3E+05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	1.2	6	3 (G,X)	NLV	NLV	550	2100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	18	1.0E+6 (D)	1.0E+6 (G,X,D)	NLV	NLV	7.9E+05	1.0E+6(D)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	32	5800	73 (G)	NLV	NLV	20000	73000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Total)	mg/kg	21	700	2500 (G,X)	NLV	NLV	400	900 (DD)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	0.13	1.7	0.050 (M); 0.0012	48	89	160	580	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	0.41	4	0.4	NLV	NLV	2600	9600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	mg/kg	1	4.5	100 (M); 27	NLV	NLV	2500	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	47	2400	170 (G)	NLV	NLV	1.7E+05	6.3E+05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/kg	NC	3.0E+05	4400	1.9E+08	3.5E+08	4.1E+07	1.3E+08	<300	<300	<300	3000	1100	<300	<300	<300	<500	<400	NA	NA	NA	NA
Acenaphthylene	ug/kg	NC	5900	ID	1.60E+06	3.00E+06	1.6E+06	5.2E+06	<300	<300	<300	<300	<300	<300	<300	<300	<500	<400	NA	NA	NA	NA
Anthracene	ug/kg	NC	41000	ID	1.0E+9(D)	1.0E+9(D)	2.3E+08	7.3E+08	800	400	300	11100	5100	<300	600	700	<500	<400	NA	NA	NA	NA
Benzo(a)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	3900	1900	1600	46500	12800	<300	3300	4500	1300	800	NA	NA	NA	NA
Benzo(a)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	3600	1800	1500	38700	10400	700	4100	5100	1100	700	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/kg	NC	NLL	NLL	ID	ID	20000	80000	3300	1900	1400	34600	9600	700	3800	4400	1600	1000	NA	NA	NA	NA
Benzo(ghi)perylene	ug/kg	NC	NLL	NLL	NLV	NLV	2.5E+06	7.0E+06	2200	1100	900	22400	6000	700	2100	2600	<500	<400	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/kg	NC	NLL	NLL	NLV	NLV	2.0E+05	8.0E+05	3300	1300	1300	38000	9700	400	3400	4800	1200	800	NA	NA	NA	NA
Carbazole	ug/kg	NC	9400	1100	NLV	NLV	5.3E+05	2.4E+06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	ug/kg	NC	NLL	NLL	ID	ID	2.0E+06	8.0E+06	4200	1800	1800	45000	12900	<300	3500	5000	1700	1100	NA	NA	NA	NA
Dibenzo(ah)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	<300	<300	<300	<300	<300	<300	800	<300	<500	<400	NA	NA	NA	NA
Dibenzofuran	ug/kg	NC	NLL	1700	ID	ID	ID	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/kg	NC	7.30E+05	5500	1E+9 (D)	1.0E+9 (D)	4.6E+07	1.3E+08	8500	3400	2800	74400	26500	900	6100	8800	2300	1400	NA	NA	NA	NA
Fluorene	ug/kg	NC	3.9E+05	5300	5.8E+08	1.0E+9(D)	2.7E+07	8.7E+07	<300	<300	<300	3400	1900	<300	<300	<300	<500	<400	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	2200	1100	1000	24000	6200	600	2200	2600	<500	<400	NA	NA	NA	NA
2-Methylnaphthalene	ug/kg	NC	57000	ID	ID	ID	8.1E+06	2.6E+07	<300	<300	<300	<300	<300	<300	<300	<300	700	500	NA	NA	NA	NA
1-Methylnaphthalene	ug/kg	NC	NC	NC	NC	NC	NC	NC	<300	<300	<300	<300	<300	<300	<300	<300	500	400	NA	NA	NA	NA
Naphthalene	ug/kg	NC	35000	870	2.5E+05	4.7E+05	1.6E+07	5.2E+07	<300	<300	<300	<300	<300	<300	<300	<300	<500	<400	NA	NA	NA	NA
Phenanthrene	ug/kg	NC	56000	5300	2.8E+06	5.1E+06	1.6E+06	5.2E+06	3200	1400	1200	39100	18200	400	2200	3500	800	500	NA	NA	NA	NA
Pyrene	ug/kg	NC	4.8E+05	ID	1.0E+9(D)	1.0E+9(D)	2.9E+07	8.4E+07	9100	3700	3200	88900	28000	1000	6000	8300	2000	1200	NA	NA	NA	NA

Bold lettering indicates samples with metals concentrations exceeding the Michigan Statewide Default Background

Exceeds GSI protection criteria only

Exceeds residential drinking water protection criteria or both GSI and drinking water protection criteria

Exceeds residential direct contact criteria

(D) Calculated criterion exceeds 100 percent

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water

(M) Calculated criterion is below the analytical target detection limit

(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

(DD) Hazardous substances causes developmental effects

(NLL) Means hazardous substances is not likely to leach under most soil conditions

(NLV) Means hazardous substance is not likely to volatilize under most conditions

(ID) Means insufficient data to develop criterion

(NC) Means no criterion or value is available

(NA) Not analyzed

Table 2
Summary of Soil Analytical Results
GM MFD
Grand Blanc, Michigan

Parameter		MDEQ Criteria: Statewide Default Background Levels	Residential Drinking Water Protection	GSI Protection	Residential Indoor Air	Industrial Indoor Air	Residential Direct Contact	Industrial Direct Contact	SS2-46SS	SS2-46SSS	SS2-46W	SS2-46WW	SS2-46WWW	SS2-47	SS2-47NW	SS2-47NWW	SS2-48	SS2-48S	PAD-01	PAD-02
Arsenic	mg/kg	5.8	4.6	70 (X)	NLV	NLV	7.6	37	**26.7**	**21**	**48.1**	**29.7**	4.24	**32.8**	**24.1**	**6.15**	**28**	**50.7**	1.28	0.91
Barium	mg/kg	75	1300	440 (G,X)	NLV	NLV	37000	1.3E+05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6	4.6
Cadmium	mg/kg	1.2	6	3 (G,X)	NLV	NLV	550	2100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	<0.20
Chromium	mg/kg	18	1.0E+6 (D)	1.0E+6 (G,X,D)	NLV	NLV	7.9E+05	1.0E+6(D)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	<2.0
Copper	mg/kg	32	5800	73 (G)	NLV	NLV	20000	73000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.5	4.9
Lead (Total)	mg/kg	21	700	2500 (G,X)	NLV	NLV	400	900 (DD)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.53	5.54
Mercury	mg/kg	0.13	1.7	0.050 (M); 0.0012	48	89	160	580	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	<0.50
Selenium	mg/kg	0.41	4	0.4	NLV	NLV	2600	9600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.38	0.3
Silver	mg/kg	1	4.5	100 (M); 27	NLV	NLV	2500	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.10	<0.10
Zinc	mg/kg	47	2400	170 (G)	NLV	NLV	1.7E+05	6.3E+05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.3	5.3
Acenaphthene	ug/kg	NC	3.0E+05	4400	1.9E+08	3.5E+08	4.1E+07	1.3E+08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300
Acenaphthylene	ug/kg	NC	5900	ID	1.60E+06	3.00E+06	1.6E+06	5.2E+06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300
Anthracene	ug/kg	NC	41000	ID	1.0E+9(D)	1.0E+9(D)	2.3E+08	7.3E+08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300
Benzo(a)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300
Benzo(a)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300
Benzo(b)fluoranthene	ug/kg	NC	NLL	NLL	ID	ID	20000	80000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300
Benzo(ghi)perylene	ug/kg	NC	NLL	NLL	NLV	NLV	2.5E+06	7.0E+06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300
Benzo(k)fluoranthene	ug/kg	NC	NLL	NLL	NLV	NLV	2.0E+05	8.0E+05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300
Carbazole	ug/kg	NC	9400	1100	NLV	NLV	5.3E+05	2.4E+06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	ug/kg	NC	NLL	NLL	ID	ID	2.0E+06	8.0E+06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300
Dibenzo(ah)anthracene	ug/kg	NC	NLL	NLL	NLV	NLV	2000	8000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300
Dibenzofuran	ug/kg	NC	NLL	1700	ID	ID	ID	ID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/kg	NC	7.30E+05	5500	1E+9 (D)	1.0E+9 (D)	4.6E+07	1.3E+08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300
Fluorene	ug/kg	NC	3.9E+05	5300	5.8E+08	1.0E+9(D)	2.7E+07	8.7E+07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300
Indeno(1,2,3-cd)pyrene	ug/kg	NC	NLL	NLL	NLV	NLV	20000	80000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300
2-Methylnaphthalene	ug/kg	NC	57000	ID	ID	ID	8.1E+06	2.6E+07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300
1-Methylnaphthalene	ug/kg	NC	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300
Naphthalene	ug/kg	NC	35000	870	2.5E+05	4.7E+05	1.6E+07	5.2E+07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300
Phenanthrene	ug/kg	NC	56000	5300	2.8E+06	5.1E+06	1.6E+06	5.2E+06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300
Pyrene	ug/kg	NC	4.8E+05	ID	1.0E+9(D)	1.0E+9(D)	2.9E+07	8.4E+07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	<300

Bold lettering indicates samples with metals concentrations exceeding the Michigan Statewide Default Background

Exceeds GSI protection criteria only

Exceeds residential drinking water protection criteria or both GSI and drinking water protection criteria

Exceeds residential direct contact criteria

(D) Calculated criterion exceeds 100 percent

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water

(M) Calculated criterion is below the analytical target detection limit

(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

(DD) Hazardous substances causes developmental effects

(NLL) Means hazardous substances is not likely to leach under most soil conditions

(NLV) Means hazardous substance is not likely to volatilize under most conditions

(ID) Means insufficient data to develop criterion

(NC) Means no criterion or value is available

(NA) Not analyzed

Table 3
Summary of Ground Water Analytical Results
GM MFD
Grand Blanc, Michigan

Parameter		MDEQ Criteria: Residential Drinking Water	MDEQ Criteria: GSI	MDEQ Criteria: Residential Indoor Air	MDEQ Criteria: Residential Direct Contact	SB2-02-GW	MW2-01 (Dissolved)	MW2-01 (Total)	MW2-02 (Dissolved)	MW2-02 (Total)	MW2-03 (Dissolved)	MW2-03 (Total)
Arsenic	mg/L	0.01 (A)	0.15 (X)	NLV	4.3	0.005	0.002	0.004	0.002	0.001	0.002	0.001
Barium	mg/L	2 (A)	0.67 (G,X)	NLV	14000	0.09	0.05	0.06	0.09	0.08	<0.01	<0.01
Cadmium	mg/L	0.005 (A)	0.0025 (G,X)	NLV	190	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chromium	mg/L	0.1 (A)	0.1 (G,X)	NLV	290000	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	<0.005
Copper	mg/L	1 (A)	0.013 (G)	NLV	7400	<0.004	<0.004	<0.004	0.007	0.006	<0.004	<0.004
Lead (Total)	mg/L	0.004 (L)	0.014 (G,X)	NLV	ID	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Mercury	mg/L	0.002 (A)	0.0000013	0.056 (S)	0.056 (S)	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Selenium	mg/L	0.05 (A)	0.005	NLV	970	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	<0.005
Silver	mg/L	0.034	0.2(M);0.06	NLV	1500	0.0002	<0.0002	<0.0002	0.0008	0.0004	0.0002	0.0003
Zinc	mg/L	2.4	0.17 (G)	NLV	110000	0.007	0.015	0.012	0.013	0.016	0.017	0.015
Acenaphthene	ug/L	1300	19	4200(S)	4200(S)	NA	<5	NA	<5	NA	<5	NA
Acenaphthylene	ug/L	52	ID	3900(S)	3900(S)	NA	<5	NA	<5	NA	<5	NA
Anthracene	ug/L	43 (S)	ID	43 (S)	43 (S)	<2.0	<5	NA	<5	NA	<5	NA
di-n-Butyl phthalate	ug/L	880	9.7	NLV	11000 (S)	7	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	2.1	ID	NLV	9.4 (S,AA)	<1.0	<5	NA	<5	NA	<5	NA
Benzo(a)pyrene	ug/L	5.0 (A)	ID	NLV	1.0(M,AA);0.64	<2.0	<5	NA	<5	NA	<5	NA
Benzo(b)fluoranthene	ug/L	1.5 (S,AA)	ID	ID	1.5 (S,AA)	<2.0	<5	NA	<5	NA	<5	NA
Benzo(ghi)perylene	ug/L	1.0(M);0.26(S)	NC	NLV	1.0(M,AA);0.26(S)	<2.0	<5	NA	<5	NA	<5	NA
Benzo(k)fluoranthene	ug/L	1.0(M);0.8(S)	NC	NLV	1.0(M,AA);0.8(S)	<2.0	<5	NA	<5	NA	<5	NA
Carbazole	ug/L	85	10(M);3.9	NLV	7400	<10	NA	NA	NA	NA	NA	NA
Chrysene	ug/L	1.6(S)	ID	ID	1.6 (S,AA)	<2.0	<5	NA	<5	NA	<5	NA
Dibenzo(ah)anthracene	ug/L	2.0(M);0.85	ID	NLV	2.0(M,AA);0.31	NA	<5	NA	<5	NA	<5	NA
bis(2-Ethylhexyl)phthalate	ug/L	6.0 (A)	32	NLV	320 (S,A)	<5	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	210	1.6	210 (S)	210 (S)	<2.0	<5	NA	<5	NA	<5	NA
Fluorene	ug/L	880	12	2000(S)	2000(S)	NA	<5	NA	<5	NA	<5	NA
Indeno(1,2,3-cd)pyrene	ug/L	2.0(M);0.022(S)	ID	NLV	2.0(M,AA);0.022(S)	<2.0	<5	NA	<5	NA	<5	NA
2-Methylnaphthalene	ug/L	260	ID	ID	25000(S)	NA	<5	NA	<5	NA	<5	NA
Naphthalene	ug/L	520	13	31000(S)	31000(S)	NA	<5	NA	<5	NA	<5	NA
Phenanthrene	ug/L	52	2.4	1000 (S)	1000 (S)	<2.0	<5	NA	<5	NA	<5	NA
Pyrene	ug/L	140 (S)	ID	140 (S)	140 (S)	<2.0	<5	NA	<5	NA	<5	NA

Notes:

Exceeds GSI Criteria only

(A) Criterion is the state of Michigan drinking water standard.

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water

(M) Calculated criterion is below the analytical target detection limit

(S) Criterion defaults to the hazardous substance-specific water solubility limit

(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

(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

(NLL) Means hazardous substances is not likely to leach under most soil conditions

(NLV) Means hazardous substance is not likely to volatilize under most conditions

(ID) Means insufficient data to develop criterion

(NC) Means no criterion or value is available

(NA) not analyzed

Figures

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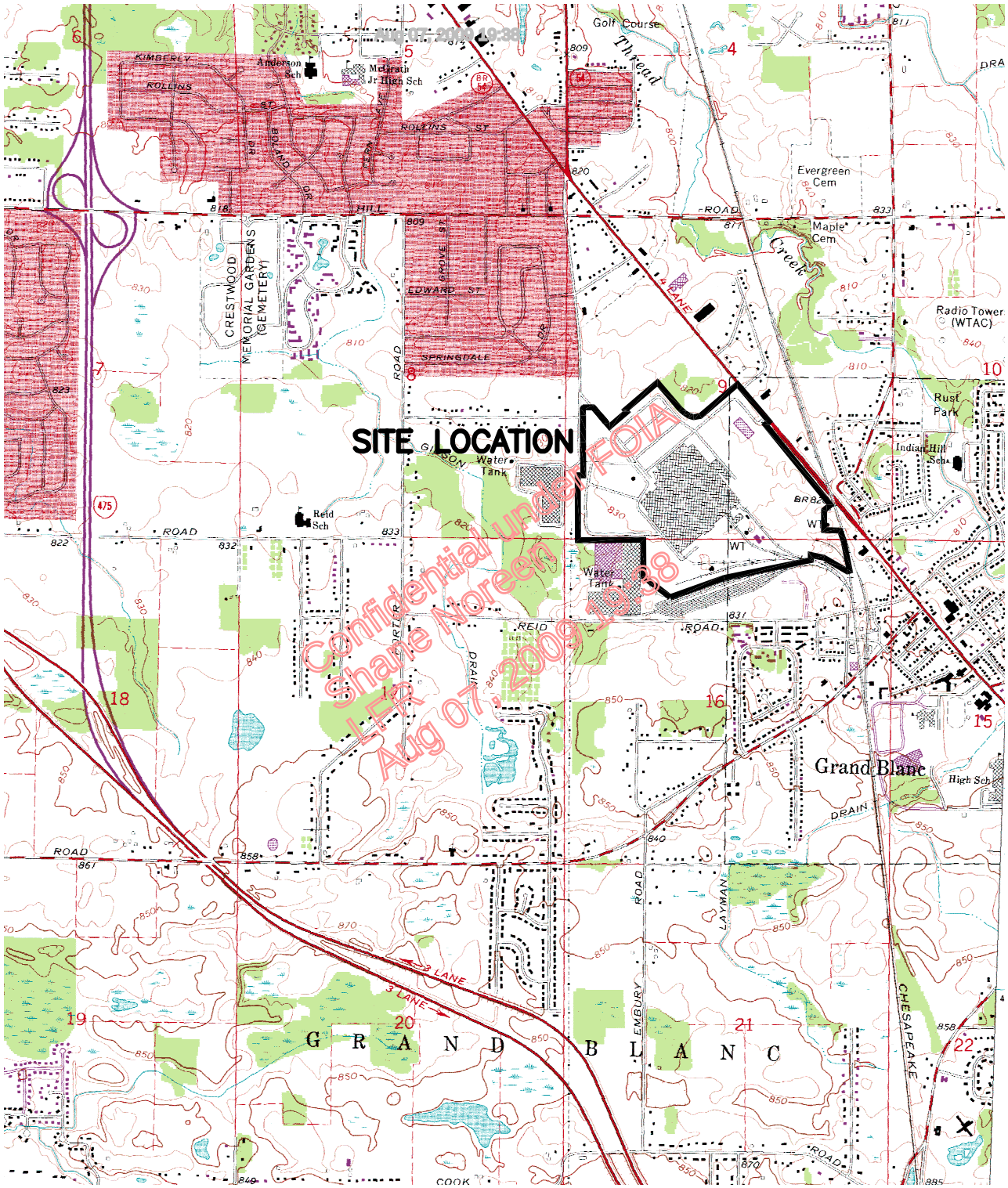
Aug 07, 2009 19:38

I:\078\4966\37404\dwg\Plant Drawings\FINAL DWG\001.DWG

FIGURE 1



MICHIGAN
QUADRANGLE LOCATION

4966.37404
OCTOBER 2005

GENERAL MOTORS
MFD – GRAND BLANC
GRAND BLANC, MICHIGAN

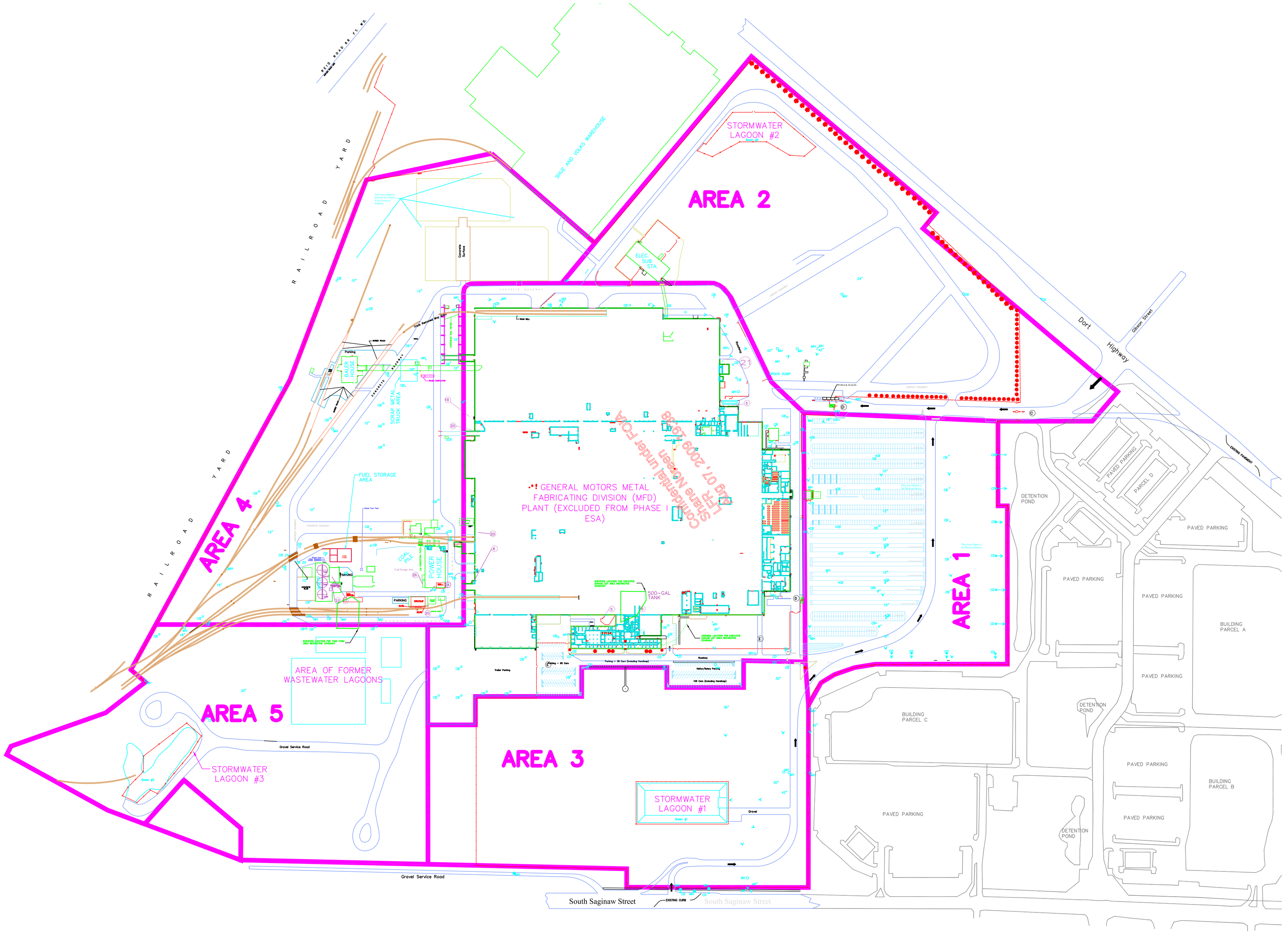
SITE LOCATION

0 1
APPROXIMATE SCALE
ONE MILE

PLANT NORTH
TRUE NORTH

O'BRIEN & GERE
ENGINEERS INC.

10/17/06 078 LAT



PLANT NORTH

TRUE NORTH

1"=200'

200 0 200

SITE LAYOUT

GENERAL MOTORS
MFD – GRAND BLANC
(SITE #29)
GRAND BLANC, MICHIGAN

FIGURE 2

4966-37404.002
OCTOBER 2005

O'BRIEN & GERE ENGINEERS, INC.

I:\PROJECTS\4966 GM\37404 Grand Blanc\dwg\Plant Drawings\FINAL DWG\AREA2\004.dwg

via Gibson Drain.

Outfall 002

300 GPM
10" Casing

STORM WATER
LAGOON #2

Basin #2

AREA 2

ASPHALT ROADWAY

GRAVEL
SURFACE

SURPLUS DIES &
EQUIPMENT
STORAGE

ELEC.
SUB
STA.

BUILDING

Water Test Pwr Tank (Hottoh)

Roadway

ROCK SUMP

TRUCK SCALES

ASPHALT ROADWAY

SNOW STORAGE

Gravel

This Area Drains to
the Ditch as Shown.

DETENTION

PAVED PARKING

PARCEL D

Dort Highway

Gibson Street

PLANT NORTH

TRUE NORTH

1"=100' 100 0 100

AREA 2 SITE MAP WITH TOPOGRAPHY

GENERAL MOTORS
MFD – GRAND BLANC
(SITE #29)
GRAND BLANC, MICHIGAN

FIGURE 4

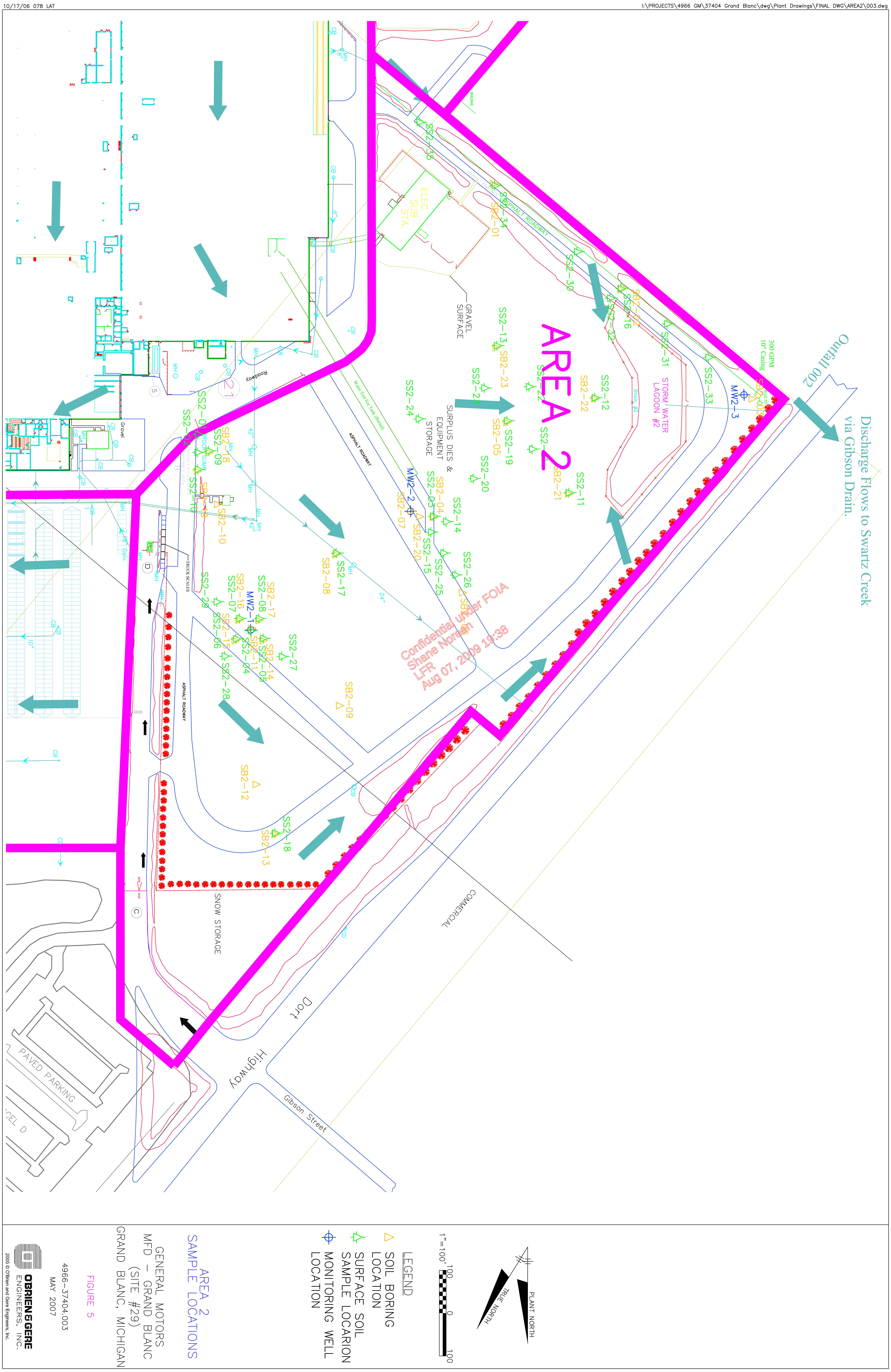
4966-37404.004
MAY 2007

O'BRIEN & GERE
ENGINEERS, INC.

10/17/06 078 LAT

10/17/06 078 LAT

I:\PROJECTS\4966 GM\37404 Grand Blanc\dwg\Plant Drawings\FINAL DWG\AREA2\003.dwg


AREA 2
Outfall 002
Discharge Flows to Swartz Creek via Gibson Drain.
300 GPM 10" Casing
STORM WATER LAGOON #2
SURPLUS DIES & EQUIPMENT STORAGE
GRAVEL SURFACE
ELEC. SUB STA.
ASPHALT ROADWAY
TRUCK SCALES
SNOW STORAGE
COMMERCIAL
Dort Highway
Gibson Street
PAVED PARKING
MW2-1
MW2-2
MW2-3
LEGEND
SOIL BORING LOCATION
SURFACE SOIL SAMPLE LOCARION
MONITORING WELL LOCATION
1"=100'
100 0 100
PLANT NORTH
TRUE NORTH
AREA 2 SAMPLE LOCATIONS
GENERAL MOTORS MFD - GRAND BLANC (SITE #29) GRAND BLANC, MICHIGAN
FIGURE 5
4966-37404.003
MAY 2007
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Appendix A

Soil Boring Logs

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O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-1
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 10/23/06 End Date: 10/23/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	dark brown, moist silty SAND, some clay, few roots				
1				brown, damp silty SAND and GRAVEL (Fill)	1' SM-GM			
2							0.0	2'-8' soil
3								
4				brown, damp stiff silty CLAY	4' CL		0.0	
5	2	5-10'	5 ft / 5 ft					
6							0.0	
7								
8							0.0	
9				brown, moist-wet clayey SILT	9' ML			
				brown, damp firm silty CLAY	9.5' CL			
10				End of boring at 10 ftg				
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite hydrated to the surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-2
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 10/23/06 End Date: 10/23/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
				grass at surface				
0	1	0-5'	5 ft/ 5 ft	dark brown, moist silty SAND (Fill)	SM			
1				brown, wet silty SAND and GRAVEL	1' SM-GM			
2							0.0	2'-4' soil
3								
4							0.0	
5	2	5-10'	5 ft / 5 ft					
6							0.0	
7				blue/grey, moist plastic CLAY	7' CL			
8				dark grey, moist sandy CLAY (peat)	8' CL		0.0	
9								
10				End of boring at 10 bgs				
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite and allowed to settle at surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-3
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 10/23/06 End Date: 10/23/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	grass at surface				
				dark brown, moist silty SAND (Fill)	6" SM			
1								
2							0.0	
				brown, wet silty SAND and GRAVEL	2'6" SM-GM			
3								
4							0.0	
5	2	5-10'	5 ft / 5 ft					
6							0.0	
7								
				blue/grey, moist plastic CLAY	7'6" CL			
8							0.0	8'-10' soil
				dark grey, moist sandy CLAY, little peat sand	8'6" CL			
9								
10				End of boring at 10 ftg				
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite chips to the surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-4
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 10/23/06 End Date: 10/23/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	asphalt				
				brown, damp, silty SAND and GRAVEL (Fill)	6" SM-GM			
1								
2							0.0	
3				brown w/ grey mottling, damp, stiff silty CLAY, little gravel	3' CL			
4					4'		0.0	
					4-1'			
5	2	5-10'	5 ft / 5 ft	same as above	5'			
6							0.0	
7				same as above, no grey mottling	7' CL			
8							0.0	
9								
10				End of boring at 10 ftg				
11								
12								
13								
14								
15								
16								
17								
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19								
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite chips to the surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-5
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 11/6/06 End Date: 11/6/06
Boring Company: Prosonic Corporation Foreman: Mike Ade Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	vegetation at surface				
				dark brown, moist sandy CLAY and ROOTS				
1				brown, damp silty CLAY, some gravel and asphalt pieces	6" CL			1'-3' soil
				brown w/grey mottling, damp silty CLAY, little sand and gravel, roots				
2							0.0	
3				same as above, firm, damp	3'			
4				olive brown w/ grey mottling, damp, stiff silty CLAY, little gravel and roots,	4' CL		0.0	
				medium plasticity	4-1'			
5	2	5-10'	5 ft / 5 ft	same as above, not-plastic	5'			
6							0.0	
7								
8							0.0	
9								
10				End of boring at 10 ft				
11								
12								
13								
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite chips to surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-6
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 10/23/06 End Date: 10/23/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	brown with orange mottling, damp, silty CLAY, little gravel	CL			
1								
2							0.0	
3								
4				olive brown w/ grey mottling, damp, stiff silty CLAY, little gravel and roots, medium plasticity	4' CL		0.0	
5	2	5-10'	5 ft / 5 ft	same as above, not-plastic	5' CL			
6							0.0	
7								
8							0.0	8'-10' soil
9								
10				End of boring at 10 ftg				
11								
12								
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14								
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19								
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22								
23								
24								
25								
26								
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28								
29								
30								

Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite chips.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-7
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 10/23/06 End Date: 10/23/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	asphalt at surface				
				brown with orange mottling, damp, silty CLAY, little gravel	8" CL			
1								
2							0.0	
3								
4				olive brown w/ grey mottling, damp, stiff silty CLAY, little gravel and roots,	4' CL		0.0	
				medium plasticity				
5	2	5-10'	5 ft / 5 ft	same as above, not-plastic	5'			
6							0.0	
7								
8							0.0	8'-10' soil
9								
10				End of boring at 10 ing				
11								
12								
13								
14								
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20								
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23								
24								
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26								
27								
28								
29								
30								

Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite and capped at surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-8
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 11/6/06 End Date: 11/6/06
Boring Company: Prosonic Corporation Foreman: Mike Ade Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	brown, moist sandy CLAY, little silt and roots	CL			
1				brown, damp silty CLAY, trace gravel and roots	1' CL			1' - 3' soil
2				same as above, grey mottling	2'		0.0	
3								
4							0.0	
5	2	5-10'	5 ft / 5 ft	same as above, stiff	5' CL			
6							0.0	
7								
8							0.0	
9								
10				End of boring at 10 ftg				
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite hydrated to the surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-9
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 10/24/06 End Date: 10/24/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	brown, moist sandy CLAY, little silt and roots	CL			
1				brown, damp silty CLAY, trace gravel and roots	1' CL			
2				same as above, grey mottling	2'		0.0	2'-4' soil
3								
4							0.0	
5	2	5-10'	5 ft / 5 ft	same as above, stiff	5' CL			
6							0.0	
7								
8							0.0	
9								
10				End of boring at 10 ft				
11								
12								
13								
14								
15								
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17								
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19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite hydrated to the surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-10
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 11/06/06 End Date: 11/06/06
Boring Company: Prosonic Corporation Foreman: Mike Ade Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	brown, damp silty CLAY, little roots and gravel	CL			
1								1-3' soil
2				brown with grey mottling, damp silty CLAY, trace gravel, stiff	2' CL		0.0	
3								
4							0.0	
5	2	5-10'	5 ft / 5 ft	same as above	5' CL			
6							0.0	
7								
8				End of boring at 10 fbg				
9								
10								
11								
12								
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite chips to surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-11
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 10/24/06 End Date: 10/24/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	brown, damp silty CLAY, little roots and gravel	CL			
1								
2				brown with grey mottling, damp silty CLAY, trace gravel, stiff	2' CL		0.0	2'-4' soil (DUP-02 also)
3								
4							0.0	
5	2	5-8'	3 ft / 3 ft	same as above	5' CL			
6							0.0	
7								
8				End of boring at 8 fbg				
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite chips to surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-12
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 10/24/06 End Date: 10/24/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	brown, damp sandy CLAY, few roots	CL			
1								
2							0.0	2'-4' soil
3								
4				brown w/grey mottling, damp silty CLAY, little gravel	4' CL		0.0	
5	2	5-10'	5 ft / 5 ft	same as above, stiff	5'			
6							0.0	
7								
8							0.0	
9								
10				End of boring at 10 ft				
11								
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite chips to the surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-13
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 10/24/06 End Date: 10/24/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	dark brown, damp silty SAND and ROOTS (topsoil)				
				light brown, damp clayey SAND and GRAVEL (Fill)	3" SC-GC			
1				brownish orange, moist fine-coarse SAND and GRAVEL, some silt	1' SM-GM			
2							0.0	2'-4' soil
3								
4				brown w/grey mottling, damp stiff silty CLAY	4' CL		0.0	
5	2	5-9'	4 ft / 4 ft					
6							0.0	
7								
8				grey, damp silty CLAY, little gravel	8' CL		0.0	
9				End of boring at 9' bg				
10								
11								
12								
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite chips to the surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-14
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 12/06/06 End Date: 12/06/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen === Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	vegetation at surface				0-6" soil
				dark brown, moist clayey SAND and ROOTS	SC			
1				brown w/grey mottling, damp silty CLAY, little gravel and roots	6" CL			
2							0.0	
3								
4							0.0	
5				End of boring at 5 fbg				
6								
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite chips to surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-15
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 12/06/06 End Date: 12/06/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen === Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change	General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	vegetation at surface					0-6" soil
				dark brown, moist clayey SAND and ROOTS		SC			
1				same as above, brown w/grey mottling	6"				
2				brown w/grey mottling, damp firm silty CLAY, little gravel and roots	2'	CL		0.0	
3									
4								0.0	4'-5' soil
5				End of boring at 5 fbg					
6									
7									
8									
9									
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite chips to surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-16
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 12/06/06 End Date: 12/06/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	vegetation at surface				0-6" soil
				dark brown, moist clayey SAND and ROOTS	SC			
1				brown w/orange grey mottling, damp silty CLAY, little gravel and roots	6" CL			
2							0.0	
3								
4				same as above (no orange mottling)	4' CL		0.0	4'-5' soil
5				End of boring at 5 fbg				
6								
7								
8								
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10								
11								
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite chips to surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-17
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 12/06/06 End Date: 12/06/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	vegetation at surface				0-6" soil
				dark brown, moist clayey SAND and ROOTS	SC			
1				brown w/orange grey mottling, moist silty CLAY, little sand, roots and gravel	6"			
				same as above, damp, firm (no sand)	1'			
2							0.0	
3								
4							0.0	4'-5' soil
5				End of boring at 5 fbg				
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite chips to surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-18
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 12/06/06 End Date: 12/06/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	vegetation at surface				0-6" soil
				dark brown, moist clayey SAND and ROOTS	SC			
1				brown, damp silty CLAY, little gravel and roots	3" CL			
				brown, moist clayey SAND, little gravel and roots	1.5' SC			
2							0.0	
				brown w/orange grey mottling, damp firm silty CLAY, little gravel and roots	2.5' CL			
3								
4							0.0	4'-5' soil
5				End of boring at 5 fbg				
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite chips to surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-19
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 12/06/06 End Date: 12/06/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	vegetation at surface				0-6" soil
				brown grey, moist sandy CLAY, little gravel and roots				
1				same as above, damp	6" CL			
				brown orange, wet fine-course SAND and GRAVEL (Fill)	1' SP-GP			
2							0.0	
3				brown w/orange grey mottling, moist silty CLAY, little gravel and roots	3' CL			
				same as above, damp firm	3.5'			
4							0.0	4'-5' soil
5				End of boring at 5 fbg				
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite chips to surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-20
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 12/06/06 End Date: 12/06/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	asphalt at surface				
				concrete	2"			
1				brown, damp SILT, SAND, AND GRAVEL (Fill)	6" SM-GM			6"-1' soil
				brownish orange, moist silty SAND, little gravel	1'			
2							0.0	
3				brown w/orange grey mottling, damp silty CLAY, little gravel and roots	3' CL			
4							0.0	4'-5' soil
5				End of boring at 5 fbg				
6								
7								
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite chips to surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-21
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 12/06/06 End Date: 12/06/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	vegetation at surface				0-6" soil
				black, moist silty SAND and ROOTS, slag fragments	SM			
1				brown w/grey mottling, damp silty CLAY, little sand, gravel and roots	6" CL			
2							0.0	
				same as above, concrete pieces	2.5'			
3				brown w/orange grey mottling, silty CLAY, some sand, little gravel	3' CL			
4							0.0	4'-5' soil
5				End of boring at 5 fbg				
6								
7								
8								
9								
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite hydrated to the surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-22
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 12/06/06 End Date: 12/06/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	vegetation at surface				0-6" soil
				dark brown, moist silty SAND and ROOTS, slag fragments, glass pieces (Fill)	SM			
1				brown w/grey mottling, damp silty CLAY, little sand, gravel and roots	1' CL			
2							0.0	
				same as above, concrete pieces	2.5'			
3				brown w/orange grey mottling, silty CLAY, some sand, little gravel	3' CL			
4							0.0	4'-5' soil
5				End of boring at 5 fbg				
6								
7								
8								
9								
10								
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite chips to surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING SB2-23
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: hydraulic probe Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 12/06/06 End Date: 12/06/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change	General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0	1	0-5'	5 ft/ 5 ft	vegetation at surface					0-6" soil
				dark brown, moist sandy CLAY and ROOTS		CL			
1				brown, damp silty CLAY, some gravel and asphalt pieces	3"	CL			
				brown w/grey mottling, damp silty CLAY, little sand and gravel, roots	1.5'	CL			
2								0.0	
					2.5'				
3				same as above, firm, damp	3'				
4								0.0	4'-5' soil
5				End of boring at 5 fbg					
6									
7									
8									
9									
10									
11									
12									
13									
14									
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27									
28									
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Notes:

1. Subsequent to soil sampling activities the borehole was backfilled with bentonite chips to surface.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING MW2-1
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: 4.25" Hollow Stem Augers Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 11/20/06 End Date: 11/20/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0				Blind drilled to 10 ft, see boring log for adjacent boring SB2-11 for a description of the stratigraphy from 0-10 ft.				
1								
2								
3								
4								
5								
6								
7								
8							0.0	
9								
10	1	10-15'	5 ft/ 5 ft	brown w/orange grey mottling, damp stiff silty CLAY, little gravel	10' CL			
11							0.0	
12								
13							0.0	
14				half-inch seam of moist very fine SAND	14' SP			
15	2	15-20'	5 ft/ 5 ft	grey, damp firm silty CLAY, trace gravel, medium plasticity	14.5' CL		0.0	
16								
17				same as above, little sand	17'		0.0	
18				grey, damp firm silty CLAY, trace gravel	17.5' CL			
19								
20				End of boring at 20 fbg				
21								
22								
23								
24								
25								
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27								
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Notes:

1. Subsequent to soil sampling activities a flushmount monitoring well was installed (see well construction details for MW2-1) using 2 inch dia. flush-threaded PVC riser and a 5 ft long 0.010 inch slot PVC well screen.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING MW2-2
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: 4.25" Hollow Stem Augers Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 11/20/06 End Date: 11/20/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0				asphalt/concrete/gravel mix				
				Blind drilled to 3 ft, see boring log for adjacent boring SB2-7 for a description of the				
1				stratigraphy from 0-3 ft.				
2								
3				brown w/orange mottling, damp silty CLAY, little gravel	3' CL			
4				olive brown w/grey mottling, damp silty CLAY, little gravel and roots, medium plasticity	4' CL			
5	1	5-10'	5 ft/ 5 ft	brown w/grey mottling, damp silty CLAY, little gravel (non-plastic)	5' CL			
6								
7								
8							0.0	
9								
10	2	10-12'	5 ft/ 5 ft	same as above, stiff	10'			
11							0.0	
12								
13							0.0	
14								
15	3	15-20'	5 ft/ 5 ft	same as above	15'	===	0.0	
						===		
16						===		
						===		
17						===	0.0	
				brown, wet sandy CLAY, little silt	17.5' CL	===		
18				brown w/grey mottling, damp stiff silty CLAY, little gravel	18' CL	===		
						===		
19								
				brown, moist sandy CLAY, little silt and gravel	19.5' CL			
20				End of boring at 20 fbg				
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

Notes:

1. Subsequent to soil sampling activities a flushmount monitoring well was installed (see well construction details for MW2-2) using 2 inch dia. flush-threaded PVC riser and a 5 ft long 0.010 inch slot PVC well screen.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING MW2-3
Client: ENCORE Site: MFD Plant Proj. Loc: Grand Blanc, MI File No.: 4966/37404	Drill Method: 4.25" Hollow Stem Augers Sampler: 5 ft stainless steel w/ disposable acetate liner	Page 1 of 1 Location: Area 2 Start Date: 11/20/06 End Date: 11/20/06
Boring Company: Prosonic Corporation Foreman: Don Bond Drill Rig: Geoprobe 6600 truck-mounted rig OBG Geologist: Mike Robison		Screen Riser Sand Pack Bentonite Bent/grout

Depth Below Grade	No.	Depth (feet)	Penetr/ Recovery	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Lab samples
0				grass at surface				
				dark brown, damp silty SAND, little clay and gravel				
1				brown w/grey mottling, moist sandy CLAY, little gravel and roots	1' CL			
2								
3								
4								
5	1	5-10'	5 ft/ 5 ft					
6								
7				brown, wet silty SAND, little clay and gravel	7' SM			
8							0.0	
9				olive green, moist silty CLAY	9' CL			
10	2	10-15'	5 ft/ 5 ft	same as above, little gravel, firm	10'			
11							0.0	
12								
13				same as above, damp stiff	13'		0.0	
14								
15				End of boring at 15 fbg			0.0	
16								
17							0.0	
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

Notes:

1. Subsequent to soil sampling activities a flushmount monitoring well was installed (see well construction details for MW2-3) using 2 inch dia. flush-threaded PVC riser and a 5 ft long 0.010 inch slot PVC well screen.
2. 5 ft hydraulic probe macro core sampler used, therefore no blow counts.

Appendix B

Well Construction Details

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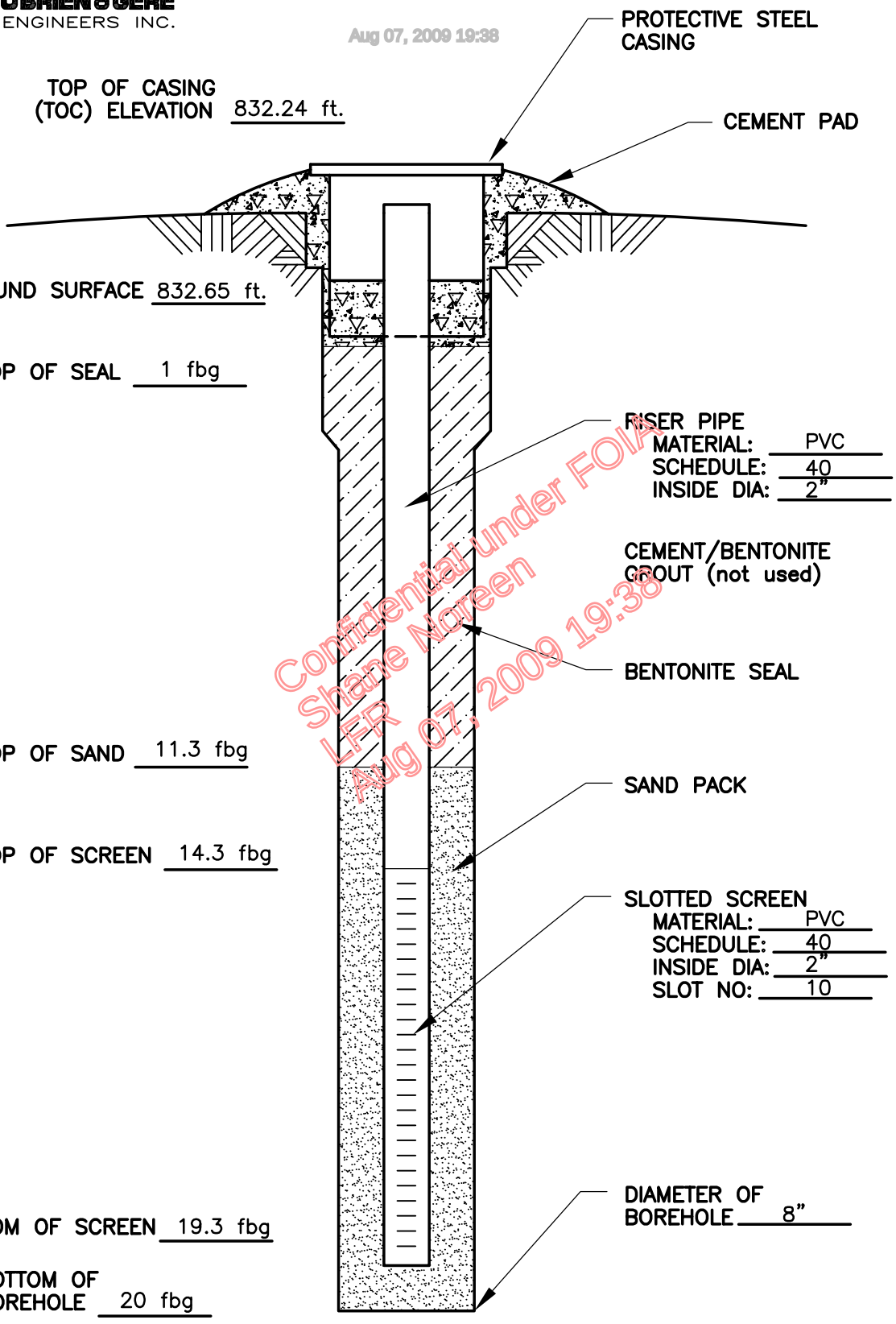

GRAND BLANC – MFD
GRAND BLANC, MICHIGAN
MONITORING WELL MW2–1

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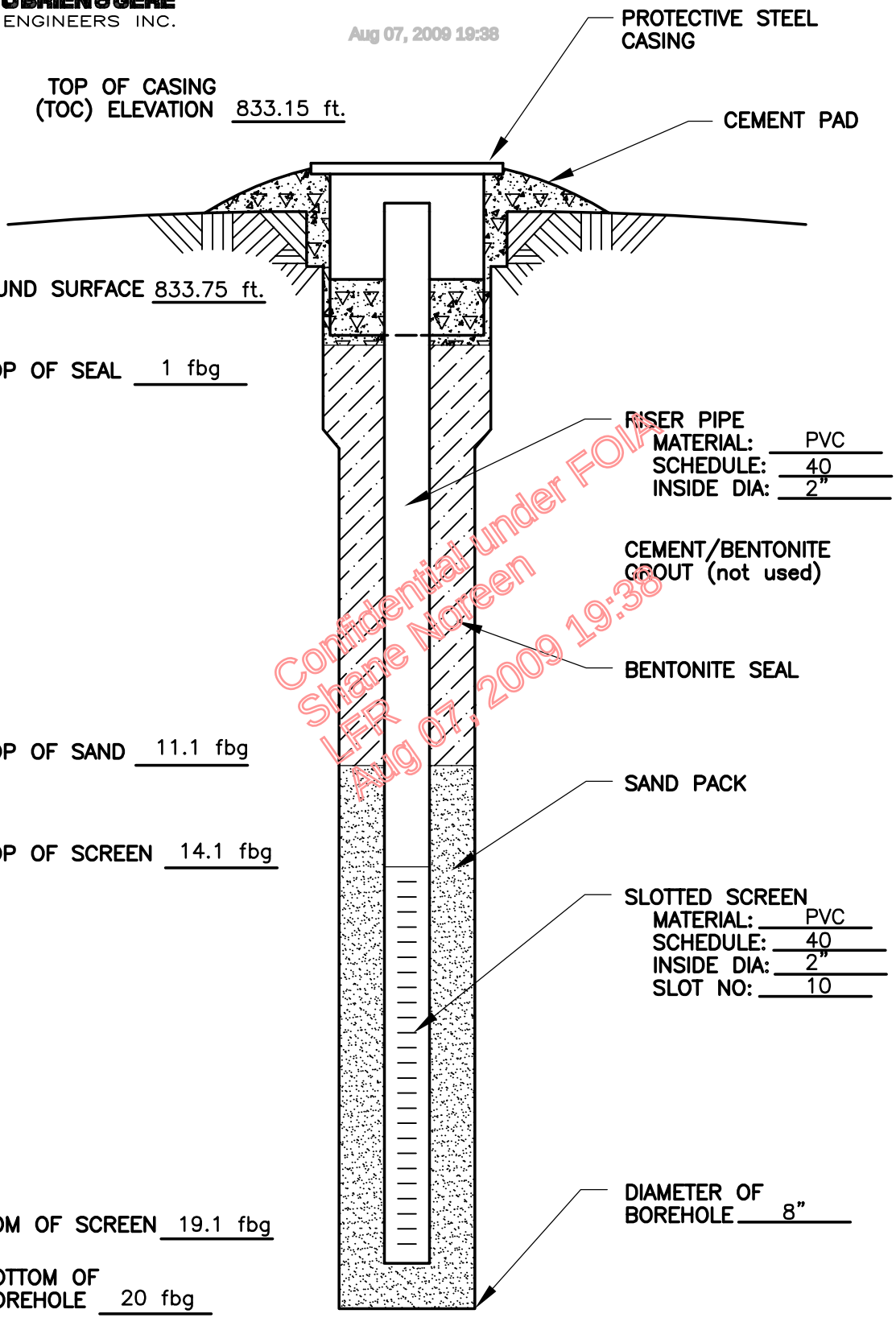
Aug 07, 2009 19:38

i\projects\4966\37404\dwg\MW-Const\MW2-1.dwg

O'BRIEN & GERE
ENGINEERS INC.



GRAND BLANC – MFD
GRAND BLANC, MICHIGAN
MONITORING WELL MW2–2

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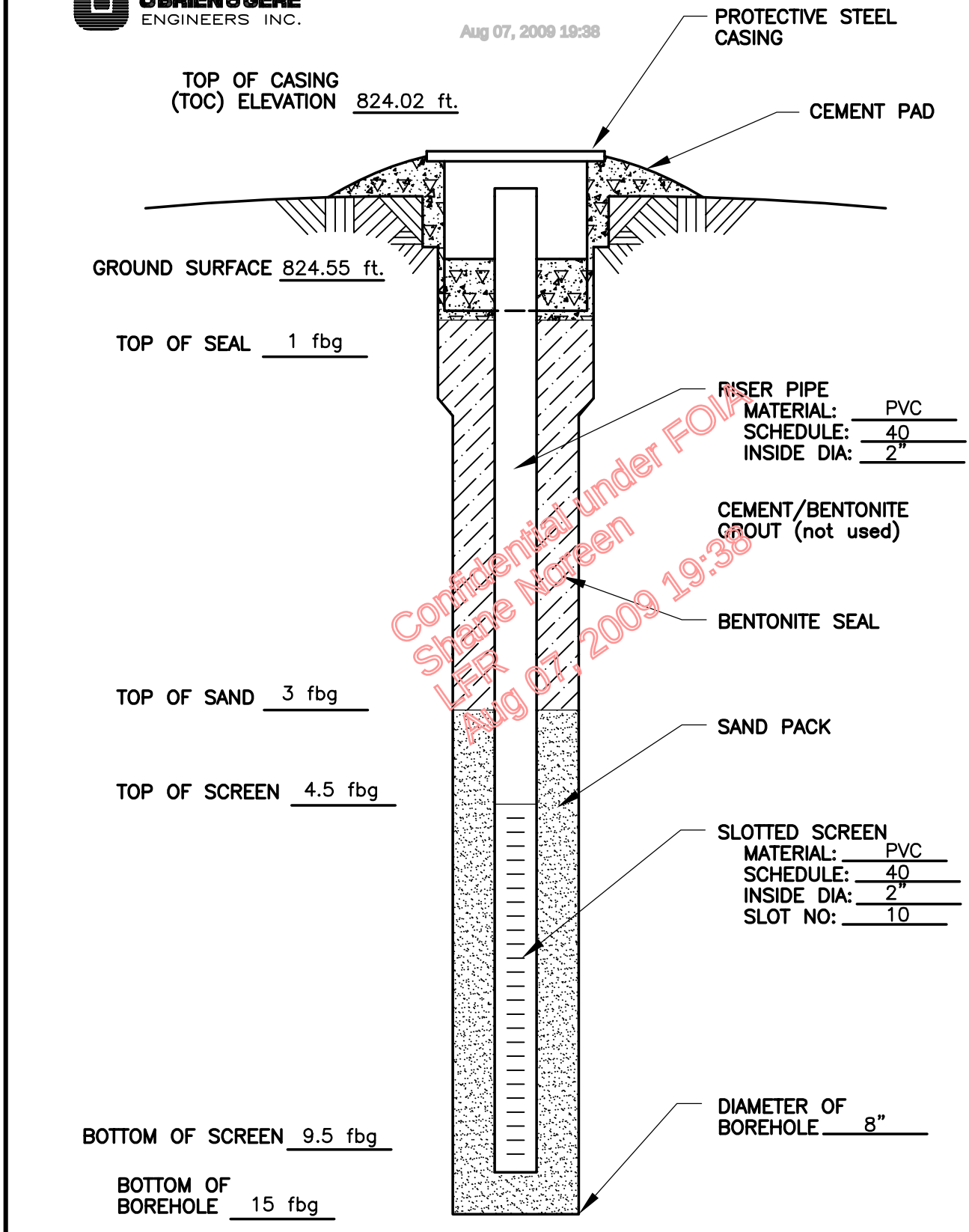
Aug 07, 2009 19:38

i\projects\4966\37404\dwg\MW-Const\MW2-2.dwg

O'BRIEN & GERE
ENGINEERS INC.



GRAND BLANC – MFD
GRAND BLANC, MICHIGAN
MONITORING WELL MW2–3

i\projects\4966\37404\dwg\MW-Const\MW2-3.dwg

Appendix C

Soil Analytical Results

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Aug 07, 2009 19:38

Analytical Laboratory Report

Supplemental Report

Report ID: S29247.01(02)
Generated on 11/06/2006
Replaces report S29247.01(01) generated on 11/01/2006

Report to

Attention: Mr. Clifford Yantz
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057

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): S29247.01-S29247.19
Project: GM MFD Grand Blanc
Submitted Date/Time: 10/24/2006 15:15
Sampled by: Mike Robison
P.O. #: 10610474EST

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.

Violetta F. Murshak
Laboratory Director

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Sample Summary (19 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S29247.01	SB1-01-10	Soil	10/23/2006 09:45
S29247.02	SB1-02-04	Soil	10/23/2006 10:00
S29247.03	SB1-03-10	Soil	10/23/2006 10:40
S29247.04	DUP-01	Soil	10/23/2006
S29247.05	SB2-01-04	Soil	10/23/2006 11:20
S29247.06	SB2-02-04	Soil	10/23/2006 11:45
S29247.07	SB2-02-GW	Groundwater	10/23/2006 12:10
S29247.08	SB2-03-10	Soil	10/23/2006 14:40
S29247.09	SB2-07-10	Soil	10/23/2006 15:05
S29247.10	SB2-06-10	Soil	10/23/2006 16:40
S29247.11	SB2-13-04	Soil	10/24/2006 08:45
S29247.12	SB2-12-04	Soil	10/24/2006 09:05
S29247.13	SB2-12-04 MS	Soil	10/24/2006 09:05
S29247.14	SB2-12-04 MSD	Soil	10/24/2006 09:05
S29247.15	EB-01	Liquid	10/24/2006 09:30
S29247.16	TB-01	Liquid	10/24/2006
S29247.17	SS2-01	Soil	10/24/2006 10:40
S29247.18	SS2-02	Soil	10/24/2006 10:45
S29247.19	SB2-09-04	Soil	10/24/2006 11:25

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.05
Sample Tag: SB2-01-04
Collected Date/Time: 10/23/2006 11:20
Matrix: Soil
COC Reference: 038404

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	10/25/06 20:33	EMR		
Extraction, PCB	Completed			3550B	10/26/06 15:51	TAS		
Lead, Coarse Digestion	Completed			3050B	10/26/06 14:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	10/26/06 09:00	JRT		
Lead, Fine Digestion	Completed			3050B	10/26/06 14:00	PER		
Mercury Digestion	Completed			7471A	10/26/06 10:00	JRT		
Metal Digestion	Completed			3050B	10/26/06 12:00	SLS		
Metals								
% Coarse by Weight	92.0	%			10/26/06 09:00	JRT		
% Fine by Weight	8.0	%			10/26/06 09:00	JRT		
Total Solids	94	%	1	160.3	10/26/06 08:30	JRT		
Arsenic	1.56	mg/kg	0.10	6020	10/26/06 14:40	SLS	7440-38-2	
Barium	11.4	mg/kg	1.0	6020	10/26/06 14:40	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	10/26/06 14:40	SLS	7440-43-9	
Chromium	2.1	mg/kg	2.0	6020	10/26/06 14:40	SLS	7440-47-3	
Copper	6.8	mg/kg	1.0	6020	10/26/06 14:40	SLS	7440-50-8	
Lead, Coarse	3.7	mg/kg	1.0	6020	10/26/06 15:05	PER		
Lead, Fine	21.3	mg/kg	1.0	6020	10/26/06 15:29	PER		
Lead, Total Calculated	5.10	mg/kg	1.0	6020	10/26/06 16:00	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471	10/26/06 15:19	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	10/26/06 14:40	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	10/26/06 14:40	SLS	7440-22-4	
Zinc	10.4	mg/kg	1.0	6020	10/26/06 14:40	SLS	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 11:37	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 11:37	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 11:37	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 11:37	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 11:37	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 11:37	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 11:37	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 11:37	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 11:37	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 11:37	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 11:37	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 11:37	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 11:37	JANB	11097-69-1	

Lab Sample ID: S29247.05 (continued)
Sample Tag: SB2-01-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 11:37	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	10/27/06 21:54	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	10/27/06 21:54	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	10/27/06 21:54	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	10/27/06 21:54	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	193-39-5	

Lab Sample ID: S29247.05 (continued)
Sample Tag: SB2-01-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Isophorone	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	670	8270C	10/27/06 21:54	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	10/27/06 21:54	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	10/27/06 21:54	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	10/27/06 21:54	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	10/27/06 21:54	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	10/27/06 21:54	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	10/27/06 21:54	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	Not detected	ug/kg	800	5035/8260B	10/26/06 17:26	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	10/26/06 17:26	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	10/26/06 17:26	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	10/26/06 17:26	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	10/26/06 17:26	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	10/26/06 17:26	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	75-71-8	

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.05 (continued)
Sample Tag: SB2-01-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 5035/8260 (continued)								
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	10/26/06 17:26	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	10/26/06 17:26	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	10/26/06 17:26	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	10/26/06 17:26	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	10/26/06 17:26	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	10/26/06 17:26	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	10/26/06 17:26	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	10/26/06 17:26	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	10/26/06 17:26	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	10/26/06 17:26	JGH		

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.06
Sample Tag: SB2-02-04
Collected Date/Time: 10/23/2006 11:45
Matrix: Soil
COC Reference: 038404

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	10/25/06 20:33	EMR		
Extraction, PCB	Completed			3550B	10/26/06 15:51	TAS		
Lead, Coarse Digestion	Completed			3050B	10/26/06 14:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	10/26/06 09:00	JRT		
Lead, Fine Digestion	Completed			3050B	10/26/06 14:00	PER		
Mercury Digestion	Completed			7471A	10/26/06 10:00	JRT		
Metal Digestion	Completed			3050B	10/26/06 12:00	SLS		
Metals								
% Coarse by Weight	88.2	%			10/26/06 09:00	JRT		
% Fine by Weight	11.8	%			10/26/06 09:00	JRT		
Total Solids	84	%	1	160.3	10/26/06 08:30	JRT		
Arsenic	3.44	mg/kg	0.10	6020	10/26/06 15:00	SLS	7440-38-2	
Barium	30.0	mg/kg	1.0	6020	10/26/06 15:00	SLS	7440-39-3	
Cadmium	1.09	mg/kg	0.20	6020	10/26/06 15:00	SLS	7440-43-9	
Chromium	17.1	mg/kg	2.0	6020	10/26/06 15:00	SLS	7440-47-3	
Copper	22.2	mg/kg	1.0	6020	10/26/06 15:00	SLS	7440-50-8	
Lead, Coarse	29.3	mg/kg	1.0	6020	10/26/06 15:06	PER		
Lead, Fine	53.0	mg/kg	1.0	6020	10/26/06 15:30	PER		
Lead, Total Calculated	32.0	mg/kg	1.0	6020	10/26/06 16:00	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471	10/26/06 15:33	JRT	7439-97-6	
Selenium	0.76	mg/kg	0.20	6020	10/26/06 15:00	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	10/26/06 15:00	SLS	7440-22-4	
Zinc	95.3	mg/kg	1.0	6020	10/26/06 15:00	SLS	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 16:00	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 16:00	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 16:00	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 16:00	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 16:00	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 16:00	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 16:00	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 16:00	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 16:00	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 16:00	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 16:00	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 16:00	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 16:00	JANB	11097-69-1	

Lab Sample ID: S29247.06 (continued)
Sample Tag: SB2-02-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 16:00	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	83-32-9	I
Acenaphthylene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	208-96-8	I
Acetophenone	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	98-86-2	I
Anthracene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	120-12-7	I
Atrazine	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	1912-24-9	I
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	92-52-4	I
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	101-55-3	I
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	84-74-2	I
Benzaldehyde	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	100-52-7	I
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	56-55-3	I
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	50-32-8	I
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	205-99-2	I
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	191-24-2	I
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	207-08-9	I
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	85-68-7	I
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	91-58-7	I
2-Chlorophenol	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	95-57-8	I
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	59-50-7	I
4-Chloroaniline	Not detected	ug/kg	670	8270C	10/28/06 01:58	ARH	106-47-8	I
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	7005-72-3	I
Caprolactam	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	105-60-2	I
Carbazole	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	86-74-8	I
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	111-91-1	I
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	111-44-4	I
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	108-60-1	I
Chrysene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	218-01-9	I
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	120-83-2	I
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	105-67-9	I
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	10/28/06 01:58	ARH	51-28-5	I
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	121-14-2	I
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	606-20-2	I
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	10/28/06 01:58	ARH	91-94-1	I
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	10/28/06 01:58	ARH	534-52-1	I
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	53-70-3	I
Dibenzofuran	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	132-64-9	I
Diethyl phthalate	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	84-66-2	I
Dimethyl phthalate	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	131-11-3	I
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	117-81-7	I
Fluoranthene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	206-44-0	I
Fluorene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	86-73-7	I
Hexachlorobenzene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	118-74-1	I
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	87-68-3	I
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	77-47-4	I
Hexachloroethane	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	67-72-1	I

I-Matrix interference with internal standard

Lab Sample ID: S29247.06 (continued)
Sample Tag: SB2-02-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	193-39-5	I
Isophorone	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	78-59-1	I
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	91-57-6	I
2-Methylphenol	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	95-48-7	I
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	108-39-4	I
2-Nitroaniline	Not detected	ug/kg	670	8270C	10/28/06 01:58	ARH	88-74-4	I
2-Nitrophenol	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	88-75-5	I
3-Nitroaniline	Not detected	ug/kg	670	8270C	10/28/06 01:58	ARH	99-09-2	I
4-Nitroaniline	Not detected	ug/kg	670	8270C	10/28/06 01:58	ARH	100-01-6	I
4-Nitrophenol	Not detected	ug/kg	670	8270C	10/28/06 01:58	ARH	100-02-7	I
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	621-64-7	I
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	86-30-6	I
Naphthalene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	91-20-3	I
Nitrobenzene	Not detected	ug/kg	200	8270C	10/28/06 01:58	ARH	98-95-3	I
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	117-84-0	I
Pentachlorophenol	Not detected	ug/kg	670	8270C	10/28/06 01:58	ARH	87-86-5	I
Phenanthrene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	85-01-8	I
Phenol	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	108-95-2	I
Pyrene	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	129-00-0	I
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	95-95-4	I
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	10/28/06 01:58	ARH	88-06-2	I
TCL Semi-Volatile Organics (Replicate 01)								
Acenaphthene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	83-32-9	I
Acenaphthylene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	208-96-8	I
Acetophenone	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	98-86-2	I
Anthracene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	120-12-7	I
Atrazine	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	1912-24-9	I
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	92-52-4	I
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	101-55-3	I
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	84-74-2	I
Benzaldehyde	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	100-52-7	I
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	56-55-3	I
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	50-32-8	I
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	205-99-2	I
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	191-24-2	I
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	207-08-9	I
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	85-68-7	I
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	91-58-7	I
2-Chlorophenol	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	95-57-8	I
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	59-50-7	I
4-Chloroaniline	Not detected	ug/kg	670	8270C	11/01/06 00:26	ARH	106-47-8	I
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	7005-72-3	I
Caprolactam	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	105-60-2	I
Carbazole	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	86-74-8	I
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	111-91-1	I
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	111-44-4	I
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	108-60-1	I

I-Matrix interference with internal standard

Lab Sample ID: S29247.06 (continued)
Sample Tag: SB2-02-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (Replicate 01) (continued)								
Chrysene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	218-01-9	I
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	120-83-2	I
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	105-67-9	I
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	11/01/06 00:26	ARH	51-28-5	I
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	121-14-2	I
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	606-20-2	I
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	11/01/06 00:26	ARH	91-94-1	I
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	11/01/06 00:26	ARH	534-52-1	I
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	53-70-3	I
Dibenzofuran	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	132-64-9	I
Diethyl phthalate	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	84-66-2	I
Dimethyl phthalate	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	131-11-3	I
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	117-81-7	I
Fluoranthene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	206-44-0	I
Fluorene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	86-73-7	I
Hexachlorobenzene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	118-74-1	I
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	87-68-3	I
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	77-47-4	I
Hexachloroethane	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	67-72-1	I
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	193-39-5	I
Isophorone	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	78-59-1	I
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	91-57-6	I
2-Methylphenol	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	95-48-7	I
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	108-39-4	I
2-Nitroaniline	Not detected	ug/kg	670	8270C	11/01/06 00:26	ARH	88-74-4	I
2-Nitrophenol	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	88-75-5	I
3-Nitroaniline	Not detected	ug/kg	670	8270C	11/01/06 00:26	ARH	99-09-2	I
4-Nitroaniline	Not detected	ug/kg	670	8270C	11/01/06 00:26	ARH	100-01-6	I
4-Nitrophenol	Not detected	ug/kg	670	8270C	11/01/06 00:26	ARH	100-02-7	I
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	621-64-7	I
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	86-30-6	I
Naphthalene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	91-20-3	I
Nitrobenzene	Not detected	ug/kg	200	8270C	11/01/06 00:26	ARH	98-95-3	I
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	117-84-0	I
Pentachlorophenol	Not detected	ug/kg	670	8270C	11/01/06 00:26	ARH	87-86-5	I
Phenanthrene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	85-01-8	I
Phenol	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	108-95-2	I
Pyrene	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	129-00-0	I
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	95-95-4	I
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	11/01/06 00:26	ARH	88-06-2	I
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	Not detected	ug/kg	900	5035/8260B	10/26/06 17:45	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	900	5035/8260B	10/26/06 17:45	JGH	78-93-3	
Benzene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	75-27-4	
Bromoform	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	75-25-2	

I-Matrix interference with internal standard

Lab Sample ID: S29247.06 (continued)
Sample Tag: SB2-02-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 5035/8260 (continued)								
Bromomethane	Not detected	ug/kg	300	5035/8260B	10/26/06 17:45	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	10/26/06 17:45	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	10/26/06 17:45	JGH	75-00-3	
Chloroform	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	10/26/06 17:45	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	10/26/06 17:45	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	10/26/06 17:45	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	10/26/06 17:45	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	10/26/06 17:45	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	10/26/06 17:45	JGH	75-09-2	
Styrene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	10/26/06 17:45	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	10/26/06 17:45	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	127-18-4	
Toluene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	10/26/06 17:45	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	10/26/06 17:45	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	60	5035/8260B	10/26/06 17:45	JGH		

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.08
Sample Tag: SB2-03-10
Collected Date/Time: 10/23/2006 14:40
Matrix: Soil
COC Reference: 038404

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	10/25/06 20:33	EMR		
Extraction, PCB	Completed			3550B	10/26/06 15:51	TAS		
Lead, Coarse Digestion	Completed			3050B	10/26/06 14:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	10/26/06 09:00	JRT		
Lead, Fine Digestion	Completed			3050B	10/26/06 14:00	PER		
Mercury Digestion	Completed			7471A	10/26/06 10:00	JRT		
Metal Digestion	Completed			3050B	10/26/06 12:00	SLS		
Metals								
% Coarse by Weight	94.5	%			10/26/06 09:00	JRT		
% Fine by Weight	5.5	%			10/26/06 09:00	JRT		
Total Solids	86	%	1	160.3	10/26/06 08:30	JRT		
Arsenic	1.22	mg/kg	0.10	6020	10/26/06 15:03	SLS	7440-38-2	
Barium	32.9	mg/kg	1.0	6020	10/26/06 15:03	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	10/26/06 15:03	SLS	7440-43-9	
Chromium	3.7	mg/kg	2.0	6020	10/26/06 15:03	SLS	7440-47-3	
Copper	7.3	mg/kg	1.0	6020	10/26/06 15:03	SLS	7440-50-8	
Lead, Coarse	8.2	mg/kg	1.0	6020	10/26/06 15:07	PER		
Lead, Fine	51.8	mg/kg	1.0	6020	10/26/06 15:31	PER		
Lead, Total Calculated	10.5	mg/kg	1.0	6020	10/26/06 16:00	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471	10/26/06 15:34	JRT	7439-97-6	
Selenium	0.50	mg/kg	0.20	6020	10/26/06 15:03	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	10/26/06 15:03	SLS	7440-22-4	
Zinc	13.7	mg/kg	1.0	6020	10/26/06 15:03	SLS	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 11:48	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 11:48	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 11:48	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 11:48	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 11:48	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 11:48	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 11:48	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 11:48	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 11:48	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 11:48	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 11:48	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 11:48	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 11:48	JANB	11097-69-1	

Lab Sample ID: S29247.08 (continued)
Sample Tag: SB2-03-10

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 11:48	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	10/27/06 22:29	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	10/27/06 22:29	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	10/27/06 22:29	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	10/27/06 22:29	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	193-39-5	

Lab Sample ID: S29247.08 (continued)
Sample Tag: SB2-03-10

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Isophorone	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	670	8270C	10/27/06 22:29	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	10/27/06 22:29	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	10/27/06 22:29	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	10/27/06 22:29	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	10/27/06 22:29	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	10/27/06 22:29	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	10/27/06 22:29	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	Not detected	ug/kg	800	5035/8260B	10/26/06 18:03	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	10/26/06 18:03	JGH	78-93-3	
Benzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	75-27-4	
Bromoform	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	10/26/06 18:03	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	10/26/06 18:03	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	10/26/06 18:03	JGH	75-00-3	
Chloroform	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	10/26/06 18:03	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	75-71-8	

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.08 (continued)
Sample Tag: SB2-03-10

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 5035/8260 (continued)								
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	10/26/06 18:03	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	10/26/06 18:03	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	10/26/06 18:03	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	10/26/06 18:03	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	10/26/06 18:03	JGH	75-09-2	
Styrene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	10/26/06 18:03	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	10/26/06 18:03	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	127-18-4	
Toluene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	10/26/06 18:03	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	10/26/06 18:03	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:03	JGH		

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.09
Sample Tag: SB2-07-10
Collected Date/Time: 10/23/2006 15:05
Matrix: Soil
COC Reference: 038404

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	10/25/06 20:33	EMR		
Extraction, PCB	Completed			3550B	10/26/06 15:51	TAS		
Lead, Coarse Digestion	Completed			3050B	10/26/06 14:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	10/26/06 09:00	JRT		
Lead, Fine Digestion	Completed			3050B	10/26/06 14:00	PER		
Mercury Digestion	Completed			7471A	10/26/06 10:00	JRT		
Metal Digestion	Completed			3050B	10/26/06 12:00	SLS		
Metals								
% Coarse by Weight	94.3	%			10/26/06 09:00	JRT		
% Fine by Weight	5.7	%			10/26/06 09:00	JRT		
Total Solids	88	%	1	160.3	10/26/06 08:30	JRT		
Arsenic	2.18	mg/kg	0.10	6020	10/26/06 15:06	SLS	7440-38-2	
Barium	54.3	mg/kg	1.0	6020	10/26/06 15:06	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	10/26/06 15:06	SLS	7440-43-9	
Chromium	5.5	mg/kg	2.0	6020	10/26/06 15:06	SLS	7440-47-3	
Copper	6.3	mg/kg	1.0	6020	10/26/06 15:06	SLS	7440-50-8	
Lead, Coarse	5.5	mg/kg	1.0	6020	10/26/06 15:08	PER		
Lead, Fine	45.7	mg/kg	1.0	6020	10/26/06 15:32	PER		
Lead, Total Calculated	7.79	mg/kg	1.0	6020	10/26/06 16:00	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471	10/26/06 15:36	JRT	7439-97-6	
Selenium	1.31	mg/kg	0.20	6020	10/26/06 15:06	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	10/26/06 15:06	SLS	7440-22-4	
Zinc	11.8	mg/kg	1.0	6020	10/26/06 15:06	SLS	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 12:00	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 12:00	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 12:00	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 12:00	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 12:00	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 12:00	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 12:00	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 12:00	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 12:00	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 12:00	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 12:00	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 12:00	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 12:00	JANB	11097-69-1	

Lab Sample ID: S29247.09 (continued)
Sample Tag: SB2-07-10

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 12:00	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	10/27/06 23:04	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	10/27/06 23:04	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	10/27/06 23:04	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	10/27/06 23:04	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	193-39-5	

Lab Sample ID: S29247.09 (continued)
Sample Tag: SB2-07-10

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Isophorone	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	670	8270C	10/27/06 23:04	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	10/27/06 23:04	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	10/27/06 23:04	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	10/27/06 23:04	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	10/27/06 23:04	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	10/27/06 23:04	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	10/27/06 23:04	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	Not detected	ug/kg	800	5035/8260B	10/26/06 18:21	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	10/26/06 18:21	JGH	78-93-3	
Benzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	75-27-4	
Bromoform	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	10/26/06 18:21	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	10/26/06 18:21	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	10/26/06 18:21	JGH	75-00-3	
Chloroform	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	10/26/06 18:21	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	75-71-8	

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.09 (continued)
Sample Tag: SB2-07-10

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 5035/8260 (continued)								
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	10/26/06 18:21	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	10/26/06 18:21	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	10/26/06 18:21	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	10/26/06 18:21	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	10/26/06 18:21	JGH	75-09-2	
Styrene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	10/26/06 18:21	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	10/26/06 18:21	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	127-18-4	
Toluene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	10/26/06 18:21	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	10/26/06 18:21	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:21	JGH		

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.10
Sample Tag: SB2-06-10
Collected Date/Time: 10/23/2006 16:40
Matrix: Soil
COC Reference: 038404

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	10/25/06 20:33	EMR		
Extraction, PCB	Completed			3550B	10/26/06 15:51	TAS		
Lead, Coarse Digestion	Completed			3050B	10/26/06 14:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	10/26/06 09:00	JRT		
Lead, Fine Digestion	Completed			3050B	10/26/06 14:00	PER		
Mercury Digestion	Completed			7471A	10/26/06 10:00	JRT		
Metal Digestion	Completed			3050B	10/26/06 12:00	SLS		
Metals								
% Coarse by Weight	98.7	%			10/26/06 09:00	JRT		
% Fine by Weight	1.3	%			10/26/06 09:00	JRT		
Total Solids	83	%	1	160.3	10/26/06 08:30	JRT		
Arsenic	0.56	mg/kg	0.10	6020	10/26/06 15:09	SLS	7440-38-2	
Barium	60.3	mg/kg	1.0	6020	10/26/06 15:09	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	10/26/06 15:09	SLS	7440-43-9	
Chromium	3.6	mg/kg	2.0	6020	10/26/06 15:09	SLS	7440-47-3	
Copper	7.4	mg/kg	1.0	6020	10/26/06 15:09	SLS	7440-50-8	
Lead, Coarse	9.9	mg/kg	1.0	6020	10/26/06 15:09	PER		
Lead, Fine	66.5	mg/kg	1.0	6020	10/26/06 15:33	PER		
Lead, Total Calculated	10.6	mg/kg	1.0	6020	10/26/06 16:00	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471	10/26/06 15:38	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	10/26/06 15:09	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	10/26/06 15:09	SLS	7440-22-4	
Zinc	6.7	mg/kg	1.0	6020	10/26/06 15:09	SLS	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 12:12	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 12:12	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 12:12	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 12:12	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 12:12	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 12:12	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 12:12	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 12:12	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 12:12	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 12:12	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 12:12	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 12:12	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 12:12	JANB	11097-69-1	

Lab Sample ID: S29247.10 (continued)
Sample Tag: SB2-06-10

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 12:12	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	83-32-9	I
Acenaphthylene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	208-96-8	I
Acetophenone	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	98-86-2	I
Anthracene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	120-12-7	I
Atrazine	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	1912-24-9	I
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	92-52-4	I
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	101-55-3	I
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	84-74-2	I
Benzaldehyde	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	100-52-7	I
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	56-55-3	I
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	50-32-8	I
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	205-99-2	I
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	191-24-2	I
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	207-08-9	I
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	85-68-7	I
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	91-58-7	I
2-Chlorophenol	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	95-57-8	I
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	59-50-7	I
4-Chloroaniline	Not detected	ug/kg	670	8270C	10/27/06 23:39	ARH	106-47-8	I
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	7005-72-3	I
Caprolactam	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	105-60-2	I
Carbazole	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	86-74-8	I
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	111-91-1	I
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	111-44-4	I
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	108-60-1	I
Chrysene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	218-01-9	I
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	120-83-2	I
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	105-67-9	I
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	10/27/06 23:39	ARH	51-28-5	I
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	121-14-2	I
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	606-20-2	I
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	10/27/06 23:39	ARH	91-94-1	I
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	10/27/06 23:39	ARH	534-52-1	I
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	53-70-3	I
Dibenzofuran	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	132-64-9	I
Diethyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	84-66-2	I
Dimethyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	131-11-3	I
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	117-81-7	I
Fluoranthene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	206-44-0	I
Fluorene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	86-73-7	I
Hexachlorobenzene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	118-74-1	I
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	87-68-3	I
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	77-47-4	I
Hexachloroethane	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	67-72-1	I

I-Matrix interference with internal standard

Lab Sample ID: S29247.10 (continued)
Sample Tag: SB2-06-10

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	193-39-5	I
Isophorone	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	78-59-1	I
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	91-57-6	I
2-Methylphenol	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	95-48-7	I
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	108-39-4	I
2-Nitroaniline	Not detected	ug/kg	670	8270C	10/27/06 23:39	ARH	88-74-4	I
2-Nitrophenol	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	88-75-5	I
3-Nitroaniline	Not detected	ug/kg	670	8270C	10/27/06 23:39	ARH	99-09-2	I
4-Nitroaniline	Not detected	ug/kg	670	8270C	10/27/06 23:39	ARH	100-01-6	I
4-Nitrophenol	Not detected	ug/kg	670	8270C	10/27/06 23:39	ARH	100-02-7	I
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	621-64-7	I
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	86-30-6	I
Naphthalene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	91-20-3	I
Nitrobenzene	Not detected	ug/kg	200	8270C	10/27/06 23:39	ARH	98-95-3	I
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	117-84-0	I
Pentachlorophenol	Not detected	ug/kg	670	8270C	10/27/06 23:39	ARH	87-86-5	I
Phenanthrene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	85-01-8	I
Phenol	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	108-95-2	I
Pyrene	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	129-00-0	I
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	95-95-4	I
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	10/27/06 23:39	ARH	88-06-2	I
TCL Semi-Volatile Organics (Replicate 01)								
Acenaphthene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	83-32-9	I
Acenaphthylene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	208-96-8	I
Acetophenone	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	98-86-2	I
Anthracene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	120-12-7	I
Atrazine	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	1912-24-9	I
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	92-52-4	I
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	101-55-3	I
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	84-74-2	I
Benzaldehyde	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	100-52-7	I
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	56-55-3	I
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	50-32-8	I
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	205-99-2	I
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	191-24-2	I
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	207-08-9	I
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	85-68-7	I
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	91-58-7	I
2-Chlorophenol	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	95-57-8	I
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	59-50-7	I
4-Chloroaniline	Not detected	ug/kg	670	8270C	10/31/06 17:27	ARH	106-47-8	I
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	7005-72-3	I
Caprolactam	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	105-60-2	I
Carbazole	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	86-74-8	I
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	111-91-1	I
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	111-44-4	I
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	108-60-1	I

I-Matrix interference with internal standard

Lab Sample ID: S29247.10 (continued)
Sample Tag: SB2-06-10

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (Replicate 01) (continued)								
Chrysene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	218-01-9	I
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	120-83-2	I
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	105-67-9	I
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	10/31/06 17:27	ARH	51-28-5	I
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	121-14-2	I
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	606-20-2	I
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	10/31/06 17:27	ARH	91-94-1	I
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	10/31/06 17:27	ARH	534-52-1	I
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	53-70-3	I
Dibenzofuran	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	132-64-9	I
Diethyl phthalate	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	84-66-2	I
Dimethyl phthalate	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	131-11-3	I
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	117-81-7	I
Fluoranthene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	206-44-0	I
Fluorene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	86-73-7	I
Hexachlorobenzene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	118-74-1	I
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	87-68-3	I
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	77-47-4	I
Hexachloroethane	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	67-72-1	I
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	193-39-5	I
Isophorone	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	78-59-1	I
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	91-57-6	I
2-Methylphenol	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	95-48-7	I
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	108-39-4	I
2-Nitroaniline	Not detected	ug/kg	670	8270C	10/31/06 17:27	ARH	88-74-4	I
2-Nitrophenol	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	88-75-5	I
3-Nitroaniline	Not detected	ug/kg	670	8270C	10/31/06 17:27	ARH	99-09-2	I
4-Nitroaniline	Not detected	ug/kg	670	8270C	10/31/06 17:27	ARH	100-01-6	I
4-Nitrophenol	Not detected	ug/kg	670	8270C	10/31/06 17:27	ARH	100-02-7	I
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	621-64-7	I
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	86-30-6	I
Naphthalene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	91-20-3	I
Nitrobenzene	Not detected	ug/kg	200	8270C	10/31/06 17:27	ARH	98-95-3	I
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	117-84-0	I
Pentachlorophenol	Not detected	ug/kg	670	8270C	10/31/06 17:27	ARH	87-86-5	I
Phenanthrene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	85-01-8	I
Phenol	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	108-95-2	I
Pyrene	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	129-00-0	I
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	95-95-4	I
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	10/31/06 17:27	ARH	88-06-2	I
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	Not detected	ug/kg	900	5035/8260B	10/26/06 18:39	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	900	5035/8260B	10/26/06 18:39	JGH	78-93-3	
Benzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	75-27-4	
Bromoform	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	75-25-2	

I-Matrix interference with internal standard

Lab Sample ID: S29247.10 (continued)
Sample Tag: SB2-06-10

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 5035/8260 (continued)								
Bromomethane	Not detected	ug/kg	300	5035/8260B	10/26/06 18:39	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	10/26/06 18:39	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	10/26/06 18:39	JGH	75-00-3	
Chloroform	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	10/26/06 18:39	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	10/26/06 18:39	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	10/26/06 18:39	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	10/26/06 18:39	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	10/26/06 18:39	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	10/26/06 18:39	JGH	75-09-2	
Styrene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	10/26/06 18:39	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	10/26/06 18:39	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	127-18-4	
Toluene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	10/26/06 18:39	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	10/26/06 18:39	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:39	JGH		

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.11
Sample Tag: SB2-13-04
Collected Date/Time: 10/24/2006 08:45
Matrix: Soil
COC Reference: 038404

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	10/25/06 20:33	EMR		
Extraction, PCB	Completed			3550B	10/26/06 15:51	TAS		
Lead, Coarse Digestion	Completed			3050B	10/26/06 14:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	10/26/06 09:00	JRT		
Lead, Fine Digestion	Completed			3050B	10/26/06 14:00	PER		
Mercury Digestion	Completed			7471A	10/26/06 10:00	JRT		
Metal Digestion	Completed			3050B	10/26/06 12:00	SLS		
Metals								
% Coarse by Weight	96.3	%			10/26/06 09:00	JRT		
% Fine by Weight	3.7	%			10/26/06 09:00	JRT		
Total Solids	85	%	1	160.3	10/26/06 08:30	JRT		
Arsenic	1.59	mg/kg	0.10	6020	10/26/06 15:13	SLS	7440-38-2	
Barium	36.5	mg/kg	1.0	6020	10/26/06 15:13	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	10/26/06 15:13	SLS	7440-43-9	
Chromium	4.8	mg/kg	2.0	6020	10/26/06 15:13	SLS	7440-47-3	
Copper	4.3	mg/kg	1.0	6020	10/26/06 15:13	SLS	7440-50-8	
Lead, Coarse	5.0	mg/kg	1.0	6020	10/26/06 15:12	PER		
Lead, Fine	31.9	mg/kg	1.0	6020	10/26/06 15:36	PER		
Lead, Total Calculated	5.99	mg/kg	1.0	6020	10/26/06 16:00	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471	10/26/06 15:40	JRT	7439-97-6	
Selenium	0.50	mg/kg	0.20	6020	10/26/06 15:13	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	10/26/06 15:13	SLS	7440-22-4	
Zinc	10.0	mg/kg	1.0	6020	10/26/06 15:13	SLS	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 12:36	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 12:36	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 12:36	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 12:36	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 12:36	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 12:36	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 12:36	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 12:36	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 12:36	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 12:36	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 12:36	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 12:36	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 12:36	JANB	11097-69-1	

Lab Sample ID: S29247.11 (continued)
Sample Tag: SB2-13-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 12:36	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	10/28/06 00:13	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	10/28/06 00:13	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	10/28/06 00:13	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	10/28/06 00:13	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	193-39-5	

Lab Sample ID: S29247.11 (continued)
Sample Tag: SB2-13-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Isophorone	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	670	8270C	10/28/06 00:13	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	10/28/06 00:13	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	10/28/06 00:13	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	10/28/06 00:13	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	10/28/06 00:13	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	10/28/06 00:13	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	10/28/06 00:13	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	Not detected	ug/kg	900	5035/8260B	10/26/06 18:58	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	900	5035/8260B	10/26/06 18:58	JGH	78-93-3	
Benzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	75-27-4	
Bromoform	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	10/26/06 18:58	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	10/26/06 18:58	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	10/26/06 18:58	JGH	75-00-3	
Chloroform	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	10/26/06 18:58	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	75-71-8	

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.11 (continued)
Sample Tag: SB2-13-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 5035/8260 (continued)								
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	10/26/06 18:58	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	10/26/06 18:58	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	10/26/06 18:58	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	10/26/06 18:58	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	10/26/06 18:58	JGH	75-09-2	
Styrene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	10/26/06 18:58	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	10/26/06 18:58	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	127-18-4	
Toluene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	10/26/06 18:58	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	10/26/06 18:58	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	60	5035/8260B	10/26/06 18:58	JGH		

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.12
Sample Tag: SB2-12-04
Collected Date/Time: 10/24/2006 09:05
Matrix: Soil
COC Reference: 038404

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	10/25/06 20:33	EMR		
Extraction, PCB	Completed			3550B	10/26/06 15:51	TAS		
Lead, Coarse Digestion	Completed			3050B	10/26/06 14:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	10/26/06 09:00	JRT		
Lead, Fine Digestion	Completed			3050B	10/26/06 14:00	PER		
Mercury Digestion	Completed			7471A	10/26/06 10:00	JRT		
Metal Digestion	Completed			3050B	10/26/06 12:00	SLS		
Metals								
% Coarse by Weight	95.3	%			10/26/06 09:00	JRT		
% Fine by Weight	4.7	%			10/26/06 09:00	JRT		
Total Solids	86	%	1	160.3	10/26/06 08:30	JRT		
Arsenic	0.46	mg/kg	0.10	6020	10/26/06 14:43	SLS	7440-38-2	
Barium	66.8	mg/kg	1.0	6020	10/26/06 14:43	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	10/26/06 14:43	SLS	7440-43-9	
Chromium	4.1	mg/kg	2.0	6020	10/26/06 14:43	SLS	7440-47-3	
Copper	3.9	mg/kg	1.0	6020	10/26/06 14:43	SLS	7440-50-8	
Lead, Coarse	7.5	mg/kg	1.0	6020	10/26/06 15:14	PER		
Lead, Fine	14.0	mg/kg	1.0	6020	10/26/06 15:37	PER		
Lead, Total Calculated	7.80	mg/kg	1.0	6020	10/26/06 16:00	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471	10/26/06 15:21	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.20	6020	10/26/06 14:43	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	10/26/06 14:43	SLS	7440-22-4	
Zinc	10.7	mg/kg	1.0	6020	10/26/06 14:43	SLS	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 10:49	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 10:49	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 10:49	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 10:49	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 10:49	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 10:49	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 10:49	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 10:49	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 10:49	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 10:49	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 10:49	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 10:49	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 10:49	JANB	11097-69-1	

Lab Sample ID: S29247.12 (continued)
Sample Tag: SB2-12-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 10:49	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	98-86-2	
Anthracene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	120-12-7	
Atrazine	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	10/30/06 17:03	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	105-60-2	
Carbazole	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	108-60-1	
Chrysene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	10/30/06 17:03	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	10/30/06 17:03	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	10/30/06 17:03	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	193-39-5	

Lab Sample ID: S29247.12 (continued)
Sample Tag: SB2-12-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Isophorone	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	10/30/06 17:03	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	10/30/06 17:03	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	10/30/06 17:03	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	10/30/06 17:03	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	10/30/06 17:03	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	10/30/06 17:03	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	85-01-8	
Phenol	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	108-95-2	
Pyrene	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	10/30/06 17:03	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	Not detected	ug/kg	900	5035/8260B	10/26/06 19:16	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	900	5035/8260B	10/26/06 19:16	JGH	78-93-3	
Benzene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	75-27-4	
Bromoform	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	10/26/06 19:16	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	10/26/06 19:16	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	10/26/06 19:16	JGH	75-00-3	
Chloroform	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	10/26/06 19:16	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	75-71-8	

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.12 (continued)
Sample Tag: SB2-12-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 5035/8260 (continued)								
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	10/26/06 19:16	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	10/26/06 19:16	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	10/26/06 19:16	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	10/26/06 19:16	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	10/26/06 19:16	JGH	75-09-2	
Styrene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	10/26/06 19:16	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	10/26/06 19:16	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	127-18-4	
Toluene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	10/26/06 19:16	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	10/26/06 19:16	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:16	JGH		

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.13
Sample Tag: SB2-12-04 MS
Collected Date/Time: 10/24/2006 09:05
Matrix: Soil
COC Reference: 038405

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	10/25/06 20:33	EMR		
Extraction, PCB	Completed			3550B	10/26/06 15:51	TAS		
Lead, Coarse Digestion	Completed			3050B	10/26/06 14:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	10/26/06 09:00	JRT		
Lead, Fine Digestion	Completed			3050B	10/26/06 14:00	PER		
Mercury Digestion	Completed			7471A	10/26/06 10:00	JRT		
Metal Digestion	Completed			3050B	10/26/06 12:00	SLS		
Metals								
% Coarse by Weight	86.3	%			10/26/06 09:00	JRT		
% Fine by Weight	13.7	%			10/26/06 09:00	JRT		
Total Solids	86	%	1	160.3	10/26/06 08:30	JRT		
Arsenic	25.5	mg/kg	0.10	6020	10/26/06 14:47	SLS	7440-38-2	
Barium	91.0	mg/kg	1.0	6020	10/26/06 14:47	SLS	7440-39-3	
Cadmium	24.38	mg/kg	0.20	6020	10/26/06 14:47	SLS	7440-43-9	
Chromium	29.3	mg/kg	2.0	6020	10/26/06 14:47	SLS	7440-47-3	
Copper	28.8	mg/kg	1.0	6020	10/26/06 14:47	SLS	7440-50-8	
Lead, Coarse	38.5	mg/kg	1.0	6020	10/26/06 15:15	PER		
Lead, Fine	66.0	mg/kg	1.0	6020	10/26/06 15:38	PER		
Lead, Total Calculated	42.2	mg/kg	1.0	6020	10/26/06 16:00	PER	7439-92-1C	
Mercury	0.119	mg/kg	0.050	7471	10/26/06 15:25	JRT	7439-97-6	
Selenium	25.3	mg/kg	0.20	6020	10/26/06 14:47	SLS	7782-49-2	
Silver	24.79	mg/kg	0.10	6020	10/26/06 14:47	SLS	7440-22-4	
Zinc	35.5	mg/kg	1.0	6020	10/26/06 14:47	SLS	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	20	ug/kg	330	8082	10/27/06 10:25	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 10:25	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 10:25	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 10:25	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 10:25	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 10:25	JANB	11097-69-1	
PCB-1260	20	ug/kg	330	8082	10/27/06 10:25	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	20	ug/kg	330	8082	10/27/06 10:25	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 10:25	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 10:25	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 10:25	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 10:25	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 10:25	JANB	11097-69-1	

Lab Sample ID: S29247.13 (continued)
Sample Tag: SB2-12-04 MS

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1260	20	ug/kg	330	8082	10/27/06 10:25	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	1,600	ug/kg	300	8270C	10/30/06 17:38	ARH	83-32-9	1
Acenaphthylene	1,900	ug/kg	300	8270C	10/30/06 17:38	ARH	208-96-8	1
Acetophenone	1,700	ug/kg	300	8270C	10/30/06 17:38	ARH	98-86-2	1
Anthracene	1,900	ug/kg	300	8270C	10/30/06 17:38	ARH	120-12-7	1
Atrazine	1,700	ug/kg	300	8270C	10/30/06 17:38	ARH	1912-24-9	1
1,1'-Biphenyl	1,500	ug/kg	300	8270C	10/30/06 17:38	ARH	92-52-4	1
4-Bromophenyl phenyl ether	1,900	ug/kg	300	8270C	10/30/06 17:38	ARH	101-55-3	1
di-n-Butyl phthalate	2,000	ug/kg	300	8270C	10/30/06 17:38	ARH	84-74-2	1
Benzaldehyde	1,300	ug/kg	300	8270C	10/30/06 17:38	ARH	100-52-7	1
Benzo(a)anthracene	1,800	ug/kg	300	8270C	10/30/06 17:38	ARH	56-55-3	1
Benzo(a)pyrene	2,600	ug/kg	300	8270C	10/30/06 17:38	ARH	50-32-8	1
Benzo(b)fluoranthene	2,500	ug/kg	300	8270C	10/30/06 17:38	ARH	205-99-2	1
Benzo(ghi)perylene	2,400	ug/kg	300	8270C	10/30/06 17:38	ARH	191-24-2	1
Benzo(k)fluoranthene	2,500	ug/kg	300	8270C	10/30/06 17:38	ARH	207-08-9	1
Butyl benzyl phthalate	1,800	ug/kg	300	8270C	10/30/06 17:38	ARH	85-68-7	1
2-Chloronaphthalene	1,500	ug/kg	300	8270C	10/30/06 17:38	ARH	91-58-7	1
2-Chlorophenol	1,600	ug/kg	300	8270C	10/30/06 17:38	ARH	95-57-8	1
4-Chloro-3-methylphenol	1,800	ug/kg	300	8270C	10/30/06 17:38	ARH	59-50-7	1
4-Chloroaniline	800	ug/kg	700	8270C	10/30/06 17:38	ARH	106-47-8	1
4-Chlorophenyl phenyl ether	1,700	ug/kg	300	8270C	10/30/06 17:38	ARH	7005-72-3	1
Caprolactam	1,600	ug/kg	300	8270C	10/30/06 17:38	ARH	105-60-2	1
Carbazole	2,200	ug/kg	300	8270C	10/30/06 17:38	ARH	86-74-8	1
bis(2-Chloroethoxy)methane	1,900	ug/kg	300	8270C	10/30/06 17:38	ARH	111-91-1	1
bis(2-Chloroethyl)ether	1,600	ug/kg	300	8270C	10/30/06 17:38	ARH	111-44-4	1
bis(2-Chloroisopropyl)ether	1,700	ug/kg	300	8270C	10/30/06 17:38	ARH	108-60-1	1
Chrysene	1,900	ug/kg	300	8270C	10/30/06 17:38	ARH	218-01-9	1
2,4-Dichlorophenol	1,700	ug/kg	300	8270C	10/30/06 17:38	ARH	120-83-2	1
2,4-Dimethylphenol	1,800	ug/kg	300	8270C	10/30/06 17:38	ARH	105-67-9	1
2,4-Dinitrophenol	1,200	ug/kg	700	8270C	10/30/06 17:38	ARH	51-28-5	1
2,4-Dinitrotoluene	1,700	ug/kg	300	8270C	10/30/06 17:38	ARH	121-14-2	1
2,6-Dinitrotoluene	1,600	ug/kg	300	8270C	10/30/06 17:38	ARH	606-20-2	1
3,3'-Dichlorobenzidine	1,600	ug/kg	700	8270C	10/30/06 17:38	ARH	91-94-1	1
4,6-Dinitro-2-methylphenol	1,000	ug/kg	700	8270C	10/30/06 17:38	ARH	534-52-1	1
Dibenzo(ah)anthracene	2,600	ug/kg	300	8270C	10/30/06 17:38	ARH	53-70-3	1
Dibenzofuran	1,600	ug/kg	300	8270C	10/30/06 17:38	ARH	132-64-9	1
Diethyl phthalate	1,500	ug/kg	300	8270C	10/30/06 17:38	ARH	84-66-2	1
Dimethyl phthalate	1,600	ug/kg	300	8270C	10/30/06 17:38	ARH	131-11-3	1
bis(2-Ethylhexyl)phthalate	1,900	ug/kg	300	8270C	10/30/06 17:38	ARH	117-81-7	1
Fluoranthene	1,900	ug/kg	300	8270C	10/30/06 17:38	ARH	206-44-0	1
Fluorene	1,600	ug/kg	300	8270C	10/30/06 17:38	ARH	86-73-7	1
Hexachlorobenzene	1,800	ug/kg	300	8270C	10/30/06 17:38	ARH	118-74-1	1
Hexachlorobutadiene	1,500	ug/kg	300	8270C	10/30/06 17:38	ARH	87-68-3	1
Hexachlorocyclopentadiene	1,800	ug/kg	300	8270C	10/30/06 17:38	ARH	77-47-4	1
Hexachloroethane	1,400	ug/kg	300	8270C	10/30/06 17:38	ARH	67-72-1	1

1-Dry Weight Spike: 1.93 mg/kg

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.13 (continued)
Sample Tag: SB2-12-04 MS

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Indeno(1,2,3-cd)pyrene	2,500	ug/kg	300	8270C	10/30/06 17:38	ARH	193-39-5	1
Isophorone	1,700	ug/kg	300	8270C	10/30/06 17:38	ARH	78-59-1	1
2-Methylnaphthalene	1,700	ug/kg	300	8270C	10/30/06 17:38	ARH	91-57-6	1
2-Methylphenol	1,600	ug/kg	300	8270C	10/30/06 17:38	ARH	95-48-7	1
3-, 4-Methylphenol	1,800	ug/kg	300	8270C	10/30/06 17:38	ARH	108-39-4	1
2-Nitroaniline	1,600	ug/kg	700	8270C	10/30/06 17:38	ARH	88-74-4	1
2-Nitrophenol	1,600	ug/kg	300	8270C	10/30/06 17:38	ARH	88-75-5	1
3-Nitroaniline	1,600	ug/kg	700	8270C	10/30/06 17:38	ARH	99-09-2	1
4-Nitroaniline	1,600	ug/kg	700	8270C	10/30/06 17:38	ARH	100-01-6	1
4-Nitrophenol	1,600	ug/kg	700	8270C	10/30/06 17:38	ARH	100-02-7	1
N-Nitrosodi-n-propylamine	1,700	ug/kg	300	8270C	10/30/06 17:38	ARH	621-64-7	1
N-Nitrosodiphenylamine	500	ug/kg	300	8270C	10/30/06 17:38	ARH	86-30-6	1
Naphthalene	1,400	ug/kg	300	8270C	10/30/06 17:38	ARH	91-20-3	1
Nitrobenzene	1,600	ug/kg	200	8270C	10/30/06 17:38	ARH	98-95-3	1
di-n-Octyl phthalate	1,900	ug/kg	300	8270C	10/30/06 17:38	ARH	117-84-0	1
Pentachlorophenol	1,800	ug/kg	700	8270C	10/30/06 17:38	ARH	87-86-5	1
Phenanthrene	1,800	ug/kg	300	8270C	10/30/06 17:38	ARH	85-01-8	1
Phenol	1,700	ug/kg	300	8270C	10/30/06 17:38	ARH	108-95-2	1
Pyrene	1,700	ug/kg	300	8270C	10/30/06 17:38	ARH	129-00-0	1
2,4,5-Trichlorophenol	1,700	ug/kg	300	8270C	10/30/06 17:38	ARH	95-95-4	1
2,4,6-Trichlorophenol	1,500	ug/kg	300	8270C	10/30/06 17:38	ARH	88-06-2	1
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	1,900	ug/kg	800	5035/8260B	10/26/06 20:47	JGH	67-64-1	2
2-Butanone (MEK)	2,000	ug/kg	800	5035/8260B	10/26/06 20:47	JGH	78-93-3	2
Benzene	2,520	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	71-43-2	2
Bromodichloromethane	2,410	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	75-27-4	2
Bromoform	2,290	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	75-25-2	2
Bromomethane	600	ug/kg	300	5035/8260B	10/26/06 20:47	JGH	74-83-9	2
Carbon disulfide	2,500	ug/kg	300	5035/8260B	10/26/06 20:47	JGH	75-15-0	2
Carbon tetrachloride	2,380	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	56-23-5	2
Chlorobenzene	2,250	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	108-90-7	2
Chloroethane	900	ug/kg	300	5035/8260B	10/26/06 20:47	JGH	75-00-3	2
Chloroform	2,620	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	67-66-3	2
Chloromethane	2,000	ug/kg	300	5035/8260B	10/26/06 20:47	JGH	74-87-3	2
Cyclohexane	1,260	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	110-82-7	2
1,1-Dichloroethane	2,610	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	75-34-3	2
1,1-Dichloroethene	2,450	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	75-35-4	2
1,2-Dibromo-3-chloropropane	2,250	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	96-12-8	2
1,2-Dibromoethane	2,240	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	106-93-4	2
1,2-Dichlorobenzene	2,340	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	95-50-1	2
1,2-Dichloroethane	2,450	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	107-06-2	2
1,2-Dichloropropane	2,650	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	78-87-5	2
1,3-Dichlorobenzene	2,290	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	541-73-1	2
1,4-Dichlorobenzene	2,450	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	106-46-7	2
cis-1,2-Dichloroethene	2,700	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	156-59-2	2

1-Dry Weight Spike: 1.93 mg/kg
2-Spiked at 2.5mg/kg

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.13 (continued)
Sample Tag: SB2-12-04 MS

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 5035/8260 (continued)								
cis-1,3-Dichloropropene	2,370	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	10061-01-5	1
Dibromochloromethane	2,190	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	124-48-1	1
Dichlorodifluoromethane	1,190	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	75-71-8	1
trans-1,2-Dichloroethene	2,530	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	156-60-5	1
trans-1,3-Dichloropropene	2,380	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	10061-02-6	1
Ethylbenzene	2,340	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	100-41-4	1
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	10/26/06 20:47	JGH	591-78-6	1
Isopropylbenzene	2,380	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	98-82-8	1
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	10/26/06 20:47	JGH	79-20-9	1
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	10/26/06 20:47	JGH	108-10-1	1
tert-Methyl butyl ether (MTBE)	2,700	ug/kg	300	5035/8260B	10/26/06 20:47	JGH	1634-04-4	1
Methyl cyclohexane	2,270	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	108-87-2	1
Methylene chloride	2,600	ug/kg	300	5035/8260B	10/26/06 20:47	JGH	75-09-2	1
Styrene	2,200	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	100-42-5	1
1,1,1-Trichloroethane	2,430	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	71-55-6	1
1,1,2,2-Tetrachloroethane	2,200	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	79-34-5	1
1,1,2-Trichloro-1,2,2-trifluoroethane	2,400	ug/kg	100	5035/8260B	10/26/06 20:47	JGH	76-13-1	1
1,1,2-Trichloroethane	2,430	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	79-00-5	1
1,2,4-Trichlorobenzene	2,200	ug/kg	100	5035/8260B	10/26/06 20:47	JGH	120-82-1	1
Tetrachloroethene	2,470	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	127-18-4	1
Toluene	2,460	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	108-88-3	1
Trichloroethene	2,420	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	79-01-6	1
Trichlorofluoromethane	1,300	ug/kg	100	5035/8260B	10/26/06 20:47	JGH	75-69-4	1
Vinyl chloride	2,300	ug/kg	100	5035/8260B	10/26/06 20:47	JGH	75-01-4	1
o-Xylene	2,310	ug/kg	60	5035/8260B	10/26/06 20:47	JGH	95-47-6	1
p,m-Xylene	4,480	ug/kg	60	5035/8260B	10/26/06 20:47	JGH		1

1-Spiked at 2.5mg/kg

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.14
Sample Tag: SB2-12-04 MSD
Collected Date/Time: 10/24/2006 09:05
Matrix: Soil
COC Reference: 038405

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	10/25/06 20:33	EMR		
Extraction, PCB	Completed			3550B	10/26/06 15:51	TAS		
Lead, Coarse Digestion	Completed			3050B	10/26/06 14:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	10/26/06 09:00	JRT		
Lead, Fine Digestion	Completed			3050B	10/26/06 14:00	PER		
Mercury Digestion	Completed			7471A	10/26/06 10:00	JRT		
Metal Digestion	Completed			3050B	10/26/06 12:00	SLS		
Metals								
% Coarse by Weight	86.3	%			10/26/06 09:00	JRT		
% Fine by Weight	13.7	%			10/26/06 09:00	JRT		
Total Solids	86	%	1	160.3	10/26/06 08:30	JRT		
Arsenic	25.9	mg/kg	0.10	6020	10/26/06 14:50	SLS	7440-38-2	
Barium	91.3	mg/kg	1.0	6020	10/26/06 14:50	SLS	7440-39-3	
Cadmium	24.48	mg/kg	0.20	6020	10/26/06 14:50	SLS	7440-43-9	
Chromium	29.3	mg/kg	2.0	6020	10/26/06 14:50	SLS	7440-47-3	
Copper	28.9	mg/kg	1.0	6020	10/26/06 14:50	SLS	7440-50-8	
Lead, Coarse	38.8	mg/kg	1.0	6020	10/26/06 15:16	PER		
Lead, Fine	64.8	mg/kg	1.0	6020	10/26/06 15:39	PER		
Lead, Total Calculated	42.3	mg/kg	1.0	6020	10/26/06 16:00	PER	7439-92-1C	
Mercury	0.121	mg/kg	0.050	7471	10/26/06 15:27	JRT	7439-97-6	
Selenium	26.0	mg/kg	0.20	6020	10/26/06 14:50	SLS	7782-49-2	
Silver	24.87	mg/kg	0.10	6020	10/26/06 14:50	SLS	7440-22-4	
Zinc	36.1	mg/kg	1.0	6020	10/26/06 14:50	SLS	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	20	ug/kg	330	8082	10/27/06 10:37	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 10:37	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 10:37	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 10:37	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 10:37	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 10:37	JANB	11097-69-1	
PCB-1260	20	ug/kg	330	8082	10/27/06 10:37	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	20	ug/kg	330	8082	10/27/06 10:37	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 10:37	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 10:37	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 10:37	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 10:37	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 10:37	JANB	11097-69-1	

Lab Sample ID: S29247.14 (continued)
Sample Tag: SB2-12-04 MSD

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1260	20	ug/kg	330	8082	10/27/06 10:37	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	1,800	ug/kg	300	8270C	10/30/06 18:12	ARH	83-32-9	1
Acenaphthylene	2,100	ug/kg	300	8270C	10/30/06 18:12	ARH	208-96-8	1
Acetophenone	1,800	ug/kg	300	8270C	10/30/06 18:12	ARH	98-86-2	1
Anthracene	2,000	ug/kg	300	8270C	10/30/06 18:12	ARH	120-12-7	1
Atrazine	1,800	ug/kg	300	8270C	10/30/06 18:12	ARH	1912-24-9	1
1,1'-Biphenyl	1,600	ug/kg	300	8270C	10/30/06 18:12	ARH	92-52-4	1
4-Bromophenyl phenyl ether	2,000	ug/kg	300	8270C	10/30/06 18:12	ARH	101-55-3	1
di-n-Butyl phthalate	2,100	ug/kg	300	8270C	10/30/06 18:12	ARH	84-74-2	1
Benzaldehyde	1,500	ug/kg	300	8270C	10/30/06 18:12	ARH	100-52-7	1
Benzo(a)anthracene	1,900	ug/kg	300	8270C	10/30/06 18:12	ARH	56-55-3	1
Benzo(a)pyrene	2,800	ug/kg	300	8270C	10/30/06 18:12	ARH	50-32-8	1
Benzo(b)fluoranthene	2,600	ug/kg	300	8270C	10/30/06 18:12	ARH	205-99-2	1
Benzo(ghi)perylene	2,700	ug/kg	300	8270C	10/30/06 18:12	ARH	191-24-2	1
Benzo(k)fluoranthene	2,700	ug/kg	300	8270C	10/30/06 18:12	ARH	207-08-9	1
Butyl benzyl phthalate	1,900	ug/kg	300	8270C	10/30/06 18:12	ARH	85-68-7	1
2-Chloronaphthalene	1,600	ug/kg	300	8270C	10/30/06 18:12	ARH	91-58-7	1
2-Chlorophenol	1,700	ug/kg	300	8270C	10/30/06 18:12	ARH	95-57-8	1
4-Chloro-3-methylphenol	1,900	ug/kg	300	8270C	10/30/06 18:12	ARH	59-50-7	1
4-Chloroaniline	800	ug/kg	700	8270C	10/30/06 18:12	ARH	106-47-8	1
4-Chlorophenyl phenyl ether	1,800	ug/kg	300	8270C	10/30/06 18:12	ARH	7005-72-3	1
Caprolactam	1,700	ug/kg	300	8270C	10/30/06 18:12	ARH	105-60-2	1
Carbazole	2,300	ug/kg	300	8270C	10/30/06 18:12	ARH	86-74-8	1
bis(2-Chloroethoxy)methane	2,000	ug/kg	300	8270C	10/30/06 18:12	ARH	111-91-1	1
bis(2-Chloroethyl)ether	1,800	ug/kg	300	8270C	10/30/06 18:12	ARH	111-44-4	1
bis(2-Chloroisopropyl)ether	1,800	ug/kg	300	8270C	10/30/06 18:12	ARH	108-60-1	1
Chrysene	2,000	ug/kg	300	8270C	10/30/06 18:12	ARH	218-01-9	1
2,4-Dichlorophenol	1,900	ug/kg	300	8270C	10/30/06 18:12	ARH	120-83-2	1
2,4-Dimethylphenol	1,900	ug/kg	300	8270C	10/30/06 18:12	ARH	105-67-9	1
2,4-Dinitrophenol	1,200	ug/kg	700	8270C	10/30/06 18:12	ARH	51-28-5	1
2,4-Dinitrotoluene	1,800	ug/kg	300	8270C	10/30/06 18:12	ARH	121-14-2	1
2,6-Dinitrotoluene	1,800	ug/kg	300	8270C	10/30/06 18:12	ARH	606-20-2	1
3,3'-Dichlorobenzidine	1,800	ug/kg	700	8270C	10/30/06 18:12	ARH	91-94-1	1
4,6-Dinitro-2-methylphenol	1,200	ug/kg	700	8270C	10/30/06 18:12	ARH	534-52-1	1
Dibenzo(ah)anthracene	2,900	ug/kg	300	8270C	10/30/06 18:12	ARH	53-70-3	1
Dibenzofuran	1,700	ug/kg	300	8270C	10/30/06 18:12	ARH	132-64-9	1
Diethyl phthalate	1,700	ug/kg	300	8270C	10/30/06 18:12	ARH	84-66-2	1
Dimethyl phthalate	1,800	ug/kg	300	8270C	10/30/06 18:12	ARH	131-11-3	1
bis(2-Ethylhexyl)phthalate	2,100	ug/kg	300	8270C	10/30/06 18:12	ARH	117-81-7	1
Fluoranthene	2,000	ug/kg	300	8270C	10/30/06 18:12	ARH	206-44-0	1
Fluorene	1,800	ug/kg	300	8270C	10/30/06 18:12	ARH	86-73-7	1
Hexachlorobenzene	1,900	ug/kg	300	8270C	10/30/06 18:12	ARH	118-74-1	1
Hexachlorobutadiene	1,700	ug/kg	300	8270C	10/30/06 18:12	ARH	87-68-3	1
Hexachlorocyclopentadiene	2,200	ug/kg	300	8270C	10/30/06 18:12	ARH	77-47-4	1
Hexachloroethane	1,600	ug/kg	300	8270C	10/30/06 18:12	ARH	67-72-1	1

1-Dry Weight Spike: 1.93 mg/kg

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.14 (continued)
Sample Tag: SB2-12-04 MSD

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Indeno(1,2,3-cd)pyrene	2,800	ug/kg	300	8270C	10/30/06 18:12	ARH	193-39-5	1
Isophorone	1,900	ug/kg	300	8270C	10/30/06 18:12	ARH	78-59-1	1
2-Methylnaphthalene	1,800	ug/kg	300	8270C	10/30/06 18:12	ARH	91-57-6	1
2-Methylphenol	1,800	ug/kg	300	8270C	10/30/06 18:12	ARH	95-48-7	1
3-, 4-Methylphenol	1,900	ug/kg	300	8270C	10/30/06 18:12	ARH	108-39-4	1
2-Nitroaniline	1,800	ug/kg	700	8270C	10/30/06 18:12	ARH	88-74-4	1
2-Nitrophenol	1,700	ug/kg	300	8270C	10/30/06 18:12	ARH	88-75-5	1
3-Nitroaniline	1,600	ug/kg	700	8270C	10/30/06 18:12	ARH	99-09-2	1
4-Nitroaniline	1,700	ug/kg	700	8270C	10/30/06 18:12	ARH	100-01-6	1
4-Nitrophenol	1,700	ug/kg	700	8270C	10/30/06 18:12	ARH	100-02-7	1
N-Nitrosodi-n-propylamine	1,800	ug/kg	300	8270C	10/30/06 18:12	ARH	621-64-7	1
N-Nitrosodiphenylamine	600	ug/kg	300	8270C	10/30/06 18:12	ARH	86-30-6	1
Naphthalene	1,600	ug/kg	300	8270C	10/30/06 18:12	ARH	91-20-3	1
Nitrobenzene	1,800	ug/kg	200	8270C	10/30/06 18:12	ARH	98-95-3	1
di-n-Octyl phthalate	2,000	ug/kg	300	8270C	10/30/06 18:12	ARH	117-84-0	1
Pentachlorophenol	1,800	ug/kg	700	8270C	10/30/06 18:12	ARH	87-86-5	1
Phenanthrene	1,900	ug/kg	300	8270C	10/30/06 18:12	ARH	85-01-8	1
Phenol	1,900	ug/kg	300	8270C	10/30/06 18:12	ARH	108-95-2	1
Pyrene	1,900	ug/kg	300	8270C	10/30/06 18:12	ARH	129-00-0	1
2,4,5-Trichlorophenol	1,800	ug/kg	300	8270C	10/30/06 18:12	ARH	95-95-4	1
2,4,6-Trichlorophenol	1,600	ug/kg	300	8270C	10/30/06 18:12	ARH	88-06-2	1
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	1,900	ug/kg	800	5035/8260B	10/26/06 21:05	JGH	67-64-1	2
2-Butanone (MEK)	2,000	ug/kg	800	5035/8260B	10/26/06 21:05	JGH	78-93-3	2
Benzene	2,610	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	71-43-2	2
Bromodichloromethane	2,540	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	75-27-4	2
Bromoform	2,330	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	75-25-2	2
Bromomethane	700	ug/kg	300	5035/8260B	10/26/06 21:05	JGH	74-83-9	2
Carbon disulfide	2,600	ug/kg	300	5035/8260B	10/26/06 21:05	JGH	75-15-0	2
Carbon tetrachloride	2,590	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	56-23-5	2
Chlorobenzene	2,310	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	108-90-7	2
Chloroethane	900	ug/kg	300	5035/8260B	10/26/06 21:05	JGH	75-00-3	2
Chloroform	2,700	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	67-66-3	2
Chloromethane	2,100	ug/kg	300	5035/8260B	10/26/06 21:05	JGH	74-87-3	2
Cyclohexane	1,320	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	110-82-7	2
1,1-Dichloroethane	2,720	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	75-34-3	2
1,1-Dichloroethene	2,540	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	75-35-4	2
1,2-Dibromo-3-chloropropane	2,450	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	96-12-8	2
1,2-Dibromoethane	2,240	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	106-93-4	2
1,2-Dichlorobenzene	2,470	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	95-50-1	2
1,2-Dichloroethane	2,550	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	107-06-2	2
1,2-Dichloropropane	2,780	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	78-87-5	2
1,3-Dichlorobenzene	2,410	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	541-73-1	2
1,4-Dichlorobenzene	2,490	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	106-46-7	2
cis-1,2-Dichloroethene	2,860	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	156-59-2	2

1-Dry Weight Spike: 1.93 mg/kg
2-Spiked at 2.5mg/kg

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.14 (continued)
Sample Tag: SB2-12-04 MSD

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 5035/8260 (continued)								
cis-1,3-Dichloropropene	2,480	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	10061-01-5	1
Dibromochloromethane	2,290	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	124-48-1	1
Dichlorodifluoromethane	1,170	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	75-71-8	1
trans-1,2-Dichloroethene	2,670	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	156-60-5	1
trans-1,3-Dichloropropene	2,480	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	10061-02-6	1
Ethylbenzene	2,390	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	100-41-4	1
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	10/26/06 21:05	JGH	591-78-6	1
Isopropylbenzene	2,520	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	98-82-8	1
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	10/26/06 21:05	JGH	79-20-9	1
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	10/26/06 21:05	JGH	108-10-1	1
tert-Methyl butyl ether (MTBE)	2,900	ug/kg	300	5035/8260B	10/26/06 21:05	JGH	1634-04-4	1
Methyl cyclohexane	2,420	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	108-87-2	1
Methylene chloride	2,800	ug/kg	300	5035/8260B	10/26/06 21:05	JGH	75-09-2	1
Styrene	2,270	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	100-42-5	1
1,1,1-Trichloroethane	2,600	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	71-55-6	1
1,1,2,2-Tetrachloroethane	2,300	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	79-34-5	1
1,1,2-Trichloro-1,2,2-trifluoroethane	2,500	ug/kg	100	5035/8260B	10/26/06 21:05	JGH	76-13-1	1
1,1,2-Trichloroethane	2,590	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	79-00-5	1
1,2,4-Trichlorobenzene	2,400	ug/kg	100	5035/8260B	10/26/06 21:05	JGH	120-82-1	1
Tetrachloroethene	2,610	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	127-18-4	1
Toluene	2,570	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	108-88-3	1
Trichloroethene	2,480	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	79-01-6	1
Trichlorofluoromethane	1,300	ug/kg	100	5035/8260B	10/26/06 21:05	JGH	75-69-4	1
Vinyl chloride	2,300	ug/kg	100	5035/8260B	10/26/06 21:05	JGH	75-01-4	1
o-Xylene	2,380	ug/kg	60	5035/8260B	10/26/06 21:05	JGH	95-47-6	1
p,m-Xylene	4,620	ug/kg	60	5035/8260B	10/26/06 21:05	JGH		1

1-Spiked at 2.5mg/kg

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.15
Sample Tag: EB-01
Collected Date/Time: 10/24/2006 09:30
Matrix: Liquid
COC Reference: 038405

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	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	10/26/06 16:43	DLR		
Extraction, PCB	Completed			3510C	10/27/06 15:07	TAS		
Mercury Digestion	Completed			7470A	10/25/06 09:00	JRT		
Metal Digestion	Completed			3015A	10/27/06 12:00	SLS		
Metals								
Arsenic	Not detected	mg/L	0.001	200.8	10/27/06 12:41	SLS	7440-38-2	
Barium	Not detected	mg/L	0.01	200.8	10/27/06 12:41	SLS	7440-39-3	
Cadmium	Not detected	mg/L	0.0005	200.8	10/27/06 12:41	SLS	7440-43-9	
Chromium	Not detected	mg/L	0.005	200.8	10/27/06 12:41	SLS	7440-47-3	
Copper	Not detected	mg/L	0.004	200.8	10/27/06 12:41	SLS	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	10/27/06 12:41	SLS	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	10/26/06 14:20	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	10/27/06 12:41	SLS	7782-49-2	
Silver	Not detected	mg/L	0.0002	200.8	10/27/06 12:41	SLS	7440-22-4	
Zinc	Not detected	mg/L	0.005	200.8	10/27/06 12:41	SLS	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	12674-11-2	
PCB-1242	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	53469-21-9	
PCB-1221	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	11141-16-5	
PCB-1248	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	12674-11-2	
PCB-1242	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	53469-21-9	
PCB-1221	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	11141-16-5	
PCB-1248	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	83-32-9	I
Acenaphthylene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	208-96-8	I

I-Matrix interference with internal standard

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.15 (continued)
Sample Tag: EB-01

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Acetophenone	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	98-86-2	I
Anthracene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	120-12-7	I
Atrazine	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	1912-24-9	I
1,1'-Biphenyl	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	92-52-4	I
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	101-55-3	I
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	84-74-2	I
Benzaldehyde	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	100-52-7	I
Benzo(a)anthracene	Not detected	ug/L	1	8270C	10/27/06 19:34	ARH	56-55-3	I
Benzo(a)pyrene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	50-32-8	I
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	205-99-2	I
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	191-24-2	I
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	207-08-9	I
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	85-68-7	I
2-Chloronaphthalene	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	91-58-7	I
2-Chlorophenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	95-57-8	I
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	59-50-7	I
4-Chloroaniline	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	106-47-8	I
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	7005-72-3	I
Caprolactam	Not detected	ug/L	10	8270C	10/27/06 19:34	ARH	105-60-2	I
Carbazole	Not detected	ug/L	10	8270C	10/27/06 19:34	ARH	86-74-8	I
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	111-91-1	I
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	111-44-4	I
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	108-60-1	I
Chrysene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	218-01-9	I
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	10/27/06 19:34	ARH	120-83-2	I
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	105-67-9	I
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	51-28-5	I
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	121-14-2	I
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	606-20-2	I
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	91-94-1	I
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	534-52-1	I
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	53-70-3	I
Dibenzofuran	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	132-64-9	I
Diethyl phthalate	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	84-66-2	I
Dimethyl phthalate	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	131-11-3	I
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	117-81-7	I
Fluoranthene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	206-44-0	I
Fluorene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	86-73-7	I
Hexachlorobenzene	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	118-74-1	I
Hexachlorobutadiene	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	87-68-3	I
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	77-47-4	I
Hexachloroethane	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	67-72-1	I
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	193-39-5	I
Isophorone	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	78-59-1	I
2-Methylnaphthalene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	91-57-6	I
2-Methylphenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	95-48-7	I
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	108-39-4	I
2-Nitroaniline	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	88-74-4	I

I-Matrix interference with internal standard

Lab Sample ID: S29247.15 (continued)
Sample Tag: EB-01

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2-Nitrophenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	88-75-5	I
3-Nitroaniline	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	99-09-2	I
4-Nitroaniline	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	100-01-6	I
4-Nitrophenol	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	100-02-7	I
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	621-64-7	I
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	86-30-6	I
Naphthalene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	91-20-3	I
Nitrobenzene	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	98-95-3	I
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	117-84-0	I
Pentachlorophenol	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	87-86-5	I
Phenanthrene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	85-01-8	I
Phenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	108-95-2	I
Pyrene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	129-00-0	I
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	95-95-4	I
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	88-06-2	I
TCL Semi-Volatile Organics (Replicate 01)								
Acenaphthene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	10/31/06 16:18	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	10/31/06 16:18	ARH	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	10/31/06 16:18	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	108-60-1	
Chrysene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	10/31/06 16:18	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	606-20-2	

I-Matrix interference with internal standard

Lab Sample ID: S29247.15 (continued)
Sample Tag: EB-01

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (Replicate 01) (continued)								
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	85-01-8	
Phenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 8260								
Acetone	Not detected	ug/L	20	8260B	10/31/06 17:49	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	10/31/06 17:49	JGH	78-93-3	
Benzene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	10/31/06 17:49	JGH	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	10/31/06 17:49	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	75-00-3	
Chloroform	4	ug/L	1	8260B	10/31/06 17:49	JGH	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	74-87-3	

Lab Sample ID: S29247.15 (continued)
Sample Tag: EB-01

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Cyclohexane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	10061-01-5	
Dibromochloromethane	3	ug/L	1	8260B	10/31/06 17:49	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	100-41-4	
2-Hexanone	Not detected	ug/L	10	8260B	10/31/06 17:49	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	10/31/06 17:49	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	10/31/06 17:49	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	3	8260B	10/31/06 17:49	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	10/31/06 17:49	JGH	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	10/31/06 17:49	JGH	75-09-2	
Styrene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	10/31/06 17:49	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	10/31/06 17:49	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	108-88-3	
Trichloroethene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH		

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Shane Noreen
LFR
Aug 07, 2009 19:38

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.16
Sample Tag: TB-01
Collected Date/Time: 10/24/2006 :
Matrix: Liquid
COC Reference: 038405

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	4.7	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	10/31/06 18:08	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	10/31/06 18:08	JGH	78-93-3	
Benzene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	10/31/06 18:08	JGH	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	10/31/06 18:08	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	74-87-3	
Cyclohexane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	100-41-4	
2-Hexanone	Not detected	ug/L	50	8260B	10/31/06 18:08	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	10/31/06 18:08	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	10/31/06 18:08	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	10/31/06 18:08	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	10/31/06 18:08	JGH	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	10/31/06 18:08	JGH	75-09-2	
Styrene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	10/31/06 18:08	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	10/31/06 18:08	JGH	120-82-1	

Lab Sample ID: S29247.16 (continued)
Sample Tag: TB-01

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	10/31/06 18:08	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	108-88-3	
Trichloroethene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH		

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.17
Sample Tag: SS2-01
Collected Date/Time: 10/24/2006 10:40
Matrix: Soil
COC Reference: 038405

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	10/25/06 20:33	EMR		
Extraction, PCB	Completed			3550B	10/26/06 15:51	TAS		
Lead, Coarse Digestion	Completed			3050B	10/26/06 14:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	10/26/06 09:00	JRT		
Lead, Fine Digestion	Completed			3050B	10/26/06 14:00	PER		
Mercury Digestion	Completed			7471A	10/26/06 10:00	JRT		
Metal Digestion	Completed			3050B	10/26/06 12:00	SLS		
Metals								
% Coarse by Weight	83.8	%			10/26/06 09:00	JRT		
% Fine by Weight	16.2	%			10/26/06 09:00	JRT		
Total Solids	91	%	1	160.3	10/26/06 08:30	JRT		
Arsenic	1.26	mg/kg	0.10	6020	10/26/06 15:16	SLS	7440-38-2	
Barium	16.2	mg/kg	1.0	6020	10/26/06 15:16	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	10/26/06 15:16	SLS	7440-43-9	
Chromium	4.5	mg/kg	2.0	6020	10/26/06 15:16	SLS	7440-47-3	
Copper	5.6	mg/kg	1.0	6020	10/26/06 15:16	SLS	7440-50-8	
Lead, Coarse	10.5	mg/kg	1.0	6020	10/26/06 15:17	PER		
Lead, Fine	15.1	mg/kg	1.0	6020	10/26/06 15:40	PER		
Lead, Total Calculated	11.2	mg/kg	1.0	6020	10/26/06 16:00	PER	7439-92-1C	
Mercury	0.101	mg/kg	0.050	7471	10/26/06 15:42	JRT	7439-97-6	
Selenium	0.40	mg/kg	0.20	6020	10/26/06 15:16	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	10/26/06 15:16	SLS	7440-22-4	
Zinc	22.7	mg/kg	1.0	6020	10/26/06 15:16	SLS	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 14:26	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 14:26	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 14:26	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 14:26	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 14:26	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 14:26	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 14:26	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 14:26	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 14:26	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 14:26	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 14:26	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 14:26	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 14:26	JANB	11097-69-1	

Lab Sample ID: S29247.17 (continued)
Sample Tag: SS2-01

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 14:26	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	83-32-9	I
Acenaphthylene	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	208-96-8	I
Acetophenone	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	98-86-2	I
Anthracene	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	120-12-7	I
Atrazine	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	1912-24-9	I
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	92-52-4	I
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	101-55-3	I
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	84-74-2	I
Benzaldehyde	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	100-52-7	I
Benzo(a)anthracene	370	ug/kg	330	8270C	10/28/06 00:48	ARH	56-55-3	I
Benzo(a)pyrene	560	ug/kg	330	8270C	10/28/06 00:48	ARH	50-32-8	I
Benzo(b)fluoranthene	560	ug/kg	330	8270C	10/28/06 00:48	ARH	205-99-2	I
Benzo(ghi)perylene	360	ug/kg	330	8270C	10/28/06 00:48	ARH	191-24-2	I
Benzo(k)fluoranthene	420	ug/kg	330	8270C	10/28/06 00:48	ARH	207-08-9	I
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	85-68-7	I
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	91-58-7	I
2-Chlorophenol	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	95-57-8	I
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	59-50-7	I
4-Chloroaniline	Not detected	ug/kg	670	8270C	10/28/06 00:48	ARH	106-47-8	I
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	7005-72-3	I
Caprolactam	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	105-60-2	I
Carbazole	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	86-74-8	I
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	111-91-1	I
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	111-44-4	I
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	108-60-1	I
Chrysene	440	ug/kg	330	8270C	10/28/06 00:48	ARH	218-01-9	I
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	120-83-2	I
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	105-67-9	I
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	10/28/06 00:48	ARH	51-28-5	I
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	121-14-2	I
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	606-20-2	I
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	10/28/06 00:48	ARH	91-94-1	I
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	10/28/06 00:48	ARH	534-52-1	I
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	53-70-3	I
Dibenzofuran	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	132-64-9	I
Diethyl phthalate	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	84-66-2	I
Dimethyl phthalate	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	131-11-3	I
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	117-81-7	I
Fluoranthene	800	ug/kg	330	8270C	10/28/06 00:48	ARH	206-44-0	I
Fluorene	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	86-73-7	I
Hexachlorobenzene	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	118-74-1	I
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	87-68-3	I
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	77-47-4	I
Hexachloroethane	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	67-72-1	I

I-Matrix interference with internal standard

Lab Sample ID: S29247.17 (continued)
Sample Tag: SS2-01

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	193-39-5	I
Isophorone	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	78-59-1	I
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	91-57-6	I
2-Methylphenol	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	95-48-7	I
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	108-39-4	I
2-Nitroaniline	Not detected	ug/kg	670	8270C	10/28/06 00:48	ARH	88-74-4	I
2-Nitrophenol	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	88-75-5	I
3-Nitroaniline	Not detected	ug/kg	670	8270C	10/28/06 00:48	ARH	99-09-2	I
4-Nitroaniline	Not detected	ug/kg	670	8270C	10/28/06 00:48	ARH	100-01-6	I
4-Nitrophenol	Not detected	ug/kg	670	8270C	10/28/06 00:48	ARH	100-02-7	I
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	621-64-7	I
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	86-30-6	I
Naphthalene	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	91-20-3	I
Nitrobenzene	Not detected	ug/kg	200	8270C	10/28/06 00:48	ARH	98-95-3	I
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	117-84-0	I
Pentachlorophenol	Not detected	ug/kg	670	8270C	10/28/06 00:48	ARH	87-86-5	I
Phenanthrene	390	ug/kg	330	8270C	10/28/06 00:48	ARH	85-01-8	I
Phenol	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	108-95-2	I
Pyrene	640	ug/kg	330	8270C	10/28/06 00:48	ARH	129-00-0	I
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	95-95-4	I
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	10/28/06 00:48	ARH	88-06-2	I
TCL Semi-Volatile Organics (Replicate 01)								
Acenaphthene	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	83-32-9	I
Acenaphthylene	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	208-96-8	I
Acetophenone	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	98-86-2	I
Anthracene	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	120-12-7	I
Atrazine	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	1912-24-9	I
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	92-52-4	I
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	101-55-3	I
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	84-74-2	I
Benzaldehyde	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	100-52-7	I
Benzo(a)anthracene	380	ug/kg	330	8270C	10/31/06 18:02	ARH	56-55-3	I
Benzo(a)pyrene	600	ug/kg	330	8270C	10/31/06 18:02	ARH	50-32-8	I
Benzo(b)fluoranthene	550	ug/kg	330	8270C	10/31/06 18:02	ARH	205-99-2	I
Benzo(ghi)perylene	410	ug/kg	330	8270C	10/31/06 18:02	ARH	191-24-2	I
Benzo(k)fluoranthene	500	ug/kg	330	8270C	10/31/06 18:02	ARH	207-08-9	I
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	85-68-7	I
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	91-58-7	I
2-Chlorophenol	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	95-57-8	I
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	59-50-7	I
4-Chloroaniline	Not detected	ug/kg	670	8270C	10/31/06 18:02	ARH	106-47-8	I
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	7005-72-3	I
Caprolactam	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	105-60-2	I
Carbazole	370	ug/kg	330	8270C	10/31/06 18:02	ARH	86-74-8	I
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	111-91-1	I
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	111-44-4	I
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	108-60-1	I

I-Matrix interference with internal standard

Lab Sample ID: S29247.17 (continued)
Sample Tag: SS2-01

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (Replicate 01) (continued)								
Chrysene	420	ug/kg	330	8270C	10/31/06 18:02	ARH	218-01-9	I
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	120-83-2	I
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	105-67-9	I
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	10/31/06 18:02	ARH	51-28-5	I
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	121-14-2	I
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	606-20-2	I
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	10/31/06 18:02	ARH	91-94-1	I
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	10/31/06 18:02	ARH	534-52-1	I
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	53-70-3	I
Dibenzofuran	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	132-64-9	I
Diethyl phthalate	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	84-66-2	I
Dimethyl phthalate	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	131-11-3	I
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	117-81-7	I
Fluoranthene	790	ug/kg	330	8270C	10/31/06 18:02	ARH	206-44-0	I
Fluorene	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	86-73-7	I
Hexachlorobenzene	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	118-74-1	I
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	87-68-3	I
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	77-47-4	I
Hexachloroethane	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	67-72-1	I
Indeno(1,2,3-cd)pyrene	370	ug/kg	330	8270C	10/31/06 18:02	ARH	193-39-5	I
Isophorone	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	78-59-1	I
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	91-57-6	I
2-Methylphenol	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	95-48-7	I
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	108-39-4	I
2-Nitroaniline	Not detected	ug/kg	670	8270C	10/31/06 18:02	ARH	88-74-4	I
2-Nitrophenol	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	88-75-5	I
3-Nitroaniline	Not detected	ug/kg	670	8270C	10/31/06 18:02	ARH	99-09-2	I
4-Nitroaniline	Not detected	ug/kg	670	8270C	10/31/06 18:02	ARH	100-01-6	I
4-Nitrophenol	Not detected	ug/kg	670	8270C	10/31/06 18:02	ARH	100-02-7	I
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	621-64-7	I
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	86-30-6	I
Naphthalene	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	91-20-3	I
Nitrobenzene	Not detected	ug/kg	200	8270C	10/31/06 18:02	ARH	98-95-3	I
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	117-84-0	I
Pentachlorophenol	Not detected	ug/kg	670	8270C	10/31/06 18:02	ARH	87-86-5	I
Phenanthrene	380	ug/kg	330	8270C	10/31/06 18:02	ARH	85-01-8	I
Phenol	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	108-95-2	I
Pyrene	600	ug/kg	330	8270C	10/31/06 18:02	ARH	129-00-0	I
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	95-95-4	I
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	10/31/06 18:02	ARH	88-06-2	I
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	Not detected	ug/kg	800	5035/8260B	10/26/06 19:34	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	10/26/06 19:34	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	75-25-2	

I-Matrix interference with internal standard

Lab Sample ID: S29247.17 (continued)
Sample Tag: SS2-01

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 5035/8260 (continued)								
Bromomethane	Not detected	ug/kg	300	5035/8260B	10/26/06 19:34	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	10/26/06 19:34	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	10/26/06 19:34	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	10/26/06 19:34	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	10/26/06 19:34	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	10/26/06 19:34	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	10/26/06 19:34	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	10/26/06 19:34	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	10/26/06 19:34	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	10/26/06 19:34	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	10/26/06 19:34	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	10/26/06 19:34	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	10/26/06 19:34	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	10/26/06 19:34	JGH		

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.18
Sample Tag: SS2-02
Collected Date/Time: 10/24/2006 10:45
Matrix: Soil
COC Reference: 038405

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	10/25/06 20:33	EMR		
Extraction, PCB	Completed			3550B	10/26/06 15:51	TAS		
Lead, Coarse Digestion	Completed			3050B	10/26/06 14:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	10/26/06 09:00	JRT		
Lead, Fine Digestion	Completed			3050B	10/26/06 14:00	PER		
Mercury Digestion	Completed			7471A	10/26/06 10:00	JRT		
Metal Digestion	Completed			3050B	10/26/06 12:00	SLS		
Metals								
% Coarse by Weight	80.1	%			10/26/06 09:00	JRT		
% Fine by Weight	19.9	%			10/26/06 09:00	JRT		
Total Solids	85	%	1	160.3	10/26/06 08:30	JRT		
Arsenic	2.33	mg/kg	0.10	6020	10/26/06 15:19	SLS	7440-38-2	
Barium	30.6	mg/kg	1.0	6020	10/26/06 15:19	SLS	7440-39-3	
Cadmium	1.36	mg/kg	0.20	6020	10/26/06 15:19	SLS	7440-43-9	
Chromium	9.3	mg/kg	2.0	6020	10/26/06 15:19	SLS	7440-47-3	
Copper	24.8	mg/kg	1.0	6020	10/26/06 15:19	SLS	7440-50-8	
Lead, Coarse	28.0	mg/kg	1.0	6020	10/26/06 15:18	PER		
Lead, Fine	45.1	mg/kg	1.0	6020	10/26/06 15:41	PER		
Lead, Total Calculated	31.4	mg/kg	1.0	6020	10/26/06 16:00	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471	10/26/06 15:44	JRT	7439-97-6	
Selenium	0.71	mg/kg	0.20	6020	10/26/06 15:19	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	10/26/06 15:19	SLS	7440-22-4	
Zinc	117	mg/kg	1.0	6020	10/26/06 15:19	SLS	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 14:14	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 14:14	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 14:14	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 14:14	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 14:14	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 14:14	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 14:14	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 14:14	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 14:14	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 14:14	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 14:14	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 14:14	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 14:14	JANB	11097-69-1	

Lab Sample ID: S29247.18 (continued)
Sample Tag: SS2-02

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 14:14	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	98-86-2	
Anthracene	600	ug/kg	300	8270C	10/31/06 01:50	ARH	120-12-7	
Atrazine	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	100-52-7	
Benzo(a)anthracene	1,600	ug/kg	300	8270C	10/31/06 01:50	ARH	56-55-3	
Benzo(a)pyrene	2,400	ug/kg	300	8270C	10/31/06 01:50	ARH	50-32-8	
Benzo(b)fluoranthene	2,400	ug/kg	300	8270C	10/31/06 01:50	ARH	205-99-2	
Benzo(ghi)perylene	1,700	ug/kg	300	8270C	10/31/06 01:50	ARH	191-24-2	
Benzo(k)fluoranthene	1,700	ug/kg	300	8270C	10/31/06 01:50	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	10/31/06 01:50	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	105-60-2	
Carbazole	1,000	ug/kg	300	8270C	10/31/06 01:50	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	108-60-1	
Chrysene	1,900	ug/kg	300	8270C	10/31/06 01:50	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	10/31/06 01:50	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	10/31/06 01:50	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	10/31/06 01:50	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	117-81-7	
Fluoranthene	3,600	ug/kg	300	8270C	10/31/06 01:50	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	1,500	ug/kg	300	8270C	10/31/06 01:50	ARH	193-39-5	

Lab Sample ID: S29247.18 (continued)
Sample Tag: SS2-02

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Isophorone	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	10/31/06 01:50	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	10/31/06 01:50	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	10/31/06 01:50	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	10/31/06 01:50	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	10/31/06 01:50	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	10/31/06 01:50	ARH	87-86-5	
Phenanthrene	2,000	ug/kg	300	8270C	10/31/06 01:50	ARH	85-01-8	
Phenol	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	108-95-2	
Pyrene	2,600	ug/kg	300	8270C	10/31/06 01:50	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	10/31/06 01:50	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	Not detected	ug/kg	800	5035/8260B	10/26/06 19:52	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	10/26/06 19:52	JGH	78-93-3	
Benzene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	75-27-4	
Bromoform	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	10/26/06 19:52	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	10/26/06 19:52	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	10/26/06 19:52	JGH	75-00-3	
Chloroform	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	10/26/06 19:52	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	75-71-8	

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.18 (continued)
Sample Tag: SS2-02

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 5035/8260 (continued)								
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	10/26/06 19:52	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	10/26/06 19:52	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	10/26/06 19:52	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	10/26/06 19:52	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	10/26/06 19:52	JGH	75-09-2	
Styrene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	10/26/06 19:52	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	10/26/06 19:52	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	127-18-4	
Toluene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	10/26/06 19:52	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	10/26/06 19:52	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	60	5035/8260B	10/26/06 19:52	JGH		

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.19
Sample Tag: SB2-09-04
Collected Date/Time: 10/24/2006 11:25
Matrix: Soil
COC Reference: 038405

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	10/25/06 20:33	EMR		
Extraction, PCB	Completed			3550B	10/26/06 15:51	TAS		
Lead, Coarse Digestion	Completed			3050B	10/26/06 14:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	10/26/06 09:00	JRT		
Lead, Fine Digestion	Completed			3050B	10/26/06 14:00	PER		
Mercury Digestion	Completed			7471A	10/26/06 10:00	JRT		
Metal Digestion	Completed			3050B	10/26/06 12:00	SLS		
Metals								
% Coarse by Weight	90.1	%			10/26/06 09:00	JRT		
% Fine by Weight	9.9	%			10/26/06 09:00	JRT		
Total Solids	87	%	1	160.3	10/26/06 08:30	JRT		
Arsenic	1.69	mg/kg	0.10	6020	10/26/06 15:22	SLS	7440-38-2	
Barium	38.9	mg/kg	1.0	6020	10/26/06 15:22	SLS	7440-39-3	
Cadmium	0.24	mg/kg	0.20	6020	10/26/06 15:22	SLS	7440-43-9	
Chromium	2.6	mg/kg	2.0	6020	10/26/06 15:22	SLS	7440-47-3	
Copper	4.2	mg/kg	1.0	6020	10/26/06 15:22	SLS	7440-50-8	
Lead, Coarse	5.8	mg/kg	1.0	6020	10/26/06 15:19	PER		
Lead, Fine	21.1	mg/kg	1.0	6020	10/26/06 15:42	PER		
Lead, Total Calculated	7.31	mg/kg	1.0	6020	10/26/06 16:00	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471	10/26/06 15:45	JRT	7439-97-6	
Selenium	0.47	mg/kg	0.20	6020	10/26/06 15:22	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	10/26/06 15:22	SLS	7440-22-4	
Zinc	17.9	mg/kg	1.0	6020	10/26/06 15:22	SLS	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 12:49	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 12:49	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 12:49	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 12:49	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 12:49	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 12:49	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 12:49	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	10/27/06 12:49	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/27/06 12:49	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/27/06 12:49	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/27/06 12:49	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/27/06 12:49	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/27/06 12:49	JANB	11097-69-1	

Lab Sample ID: S29247.19 (continued)
Sample Tag: SB2-09-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1260	Not detected	ug/kg	330	8082	10/27/06 12:49	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	98-86-2	
Anthracene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	120-12-7	
Atrazine	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	10/30/06 18:48	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	105-60-2	
Carbazole	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	108-60-1	
Chrysene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	10/30/06 18:48	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	10/30/06 18:48	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	10/30/06 18:48	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	193-39-5	

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.19 (continued)
Sample Tag: SB2-09-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Isophorone	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	10/30/06 18:48	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	10/30/06 18:48	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	10/30/06 18:48	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	10/30/06 18:48	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	10/30/06 18:48	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	10/30/06 18:48	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	85-01-8	
Phenol	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	108-95-2	
Pyrene	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	10/30/06 18:48	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	Not detected	ug/kg	800	5035/8260B	10/26/06 20:10	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	10/26/06 20:10	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	10/26/06 20:10	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	10/26/06 20:10	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	10/26/06 20:10	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	10/26/06 20:10	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	75-71-8	

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.19 (continued)
Sample Tag: SB2-09-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 5035/8260 (continued)								
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	10/26/06 20:10	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	10/26/06 20:10	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	10/26/06 20:10	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	10/26/06 20:10	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	10/26/06 20:10	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	10/26/06 20:10	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	10/26/06 20:10	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	10/26/06 20:10	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	10/26/06 20:10	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	10/26/06 20:10	JGH		

Merit Laboratories, Inc.
2680 East Lansing Dr., East Lansing, MI 48823
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C.O.C. PAGE # 1 OF 2

038404

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yantz
COMPANY: O'Brien & Gere
ADDRESS: 33469 W 14 Mile
CITY: Farmington Hills STATE: MI ZIP CODE: 48331
PHONE NO.: 248-661-3745 FAX NO.: P.O. NO.: 37404
E-MAIL ADDRESS: QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: GM MFD GRAND BLANC
SAMPLER(S) - PLEASE PRINT/SIGN NAME: MIKE ROBISON

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES: FOR LEAD ANALYSIS ANALYZE FINE & COARSE FRACTIONS FOR ALL SOIL SAMPLES

MERIT LAB NO.	YEAR 2006 DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF CONTAINERS	NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	SVOCs	PCBs	MI 10 Metals	
29247.01	10/23	0945	SB1-01-6	S	2	1					1		X	X	X	X	8-10'
.02		10:00	SB1-02-04	S	2	1					1		X	X	X	X	2-4'
.03		10:40	SB1-03-10	S	2	1					1		X	X	X	X	8'-10'
.04		—	DUP-01	S	2	1					1		X	X	X	X	—
.05		11:20	SB2-01-04	S	2	1					1		X	X	X	X	2'-4'
.06		11:45	SB2-02-04	S	2	1					1		X	X	X	X	2-4'
.07		17:10	SB2-02-GW	GW	5	2	2	1					X	X	X	X	GW
.08		14:40	SB2-03-10	S	2	1					1		X	X	X	X	8'-10'
.09		15:05	SB2-07-10	S	2	1					1		X	X	X	X	8'-10'
.10		16:40	SB2-06-10	S	2	1					1		X	X	X	X	8-10'
.11	10/24	08:45	SB2-13-04	S	2	1					1		X	X	X	X	2-4'
.12	10/24	09:05	SB2-12-04	S	2	1					1		X	X	X	X	2'-4'

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Mark	10/24/06	11:50
RECEIVED BY: SIGNATURE/ORGANIZATION	Mark	10-24-06	11:50
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Mark	10-24-6	15:15
RECEIVED BY: SIGNATURE/ORGANIZATION	Barbara Richardson	DATE 10-24-06	TIME 15:15

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS
SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS

NOTES: TEMP. ON ARRIVAL 4.7

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 2 OF 2

038405

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: CLIFF YANTZ
COMPANY: OBRIEN & GERE
ADDRESS: 33469 W. 14 MILE RD SUITE 150
CITY: FARMINGTON HILLS STATE: MI ZIP CODE: 48331
PHONE NO.: 248 661 3745 FAX NO.: 248 661 4057 P.O. NO.: 37404
E-MAIL ADDRESS: QUOTE NO.:

INVOICE TO

CONTACT NAME: SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: GM MFD GRAND BLANC
SAMPLER(S) - PLEASE PRINT/SIGN NAME: MIKE ROBISON

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES: FOR LEAD ANALYSIS (SOIL), ANALYZE FINE & COARSE FRACTIONS FOR ALL SAMPLES

MERIT LAB NO.	2006 YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	SVOCs	PCBs	MI "10" METALS	SPECIAL INSTRUCTIONS/NOTES
29247.13/.14	10/24	09:05	SB2-12-04 (MS/MSD)	S	2	1				1			X	X	X	X	2'-4'
.15		09:30	EB-01	L	5	2	1						X	X	X	X	—
.16		—	TB-01	L	1		1						X	X	X	X	—
.17		10:40	SS2-01	S	2	1				1			X	X	X	X	
.18		10:45	SS2-02	S	2	1				1			X	X	X	X	
.19	↓	11:25	SB2-09-04	S	2	1				1			X	X	X	X	2'-4'

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Merit	10/24/06	11:30
RECEIVED BY: SIGNATURE/ORGANIZATION	Merit	10-24-06	
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Merit	10-24-06	15:15
RECEIVED BY: SIGNATURE/ORGANIZATION	Barbara Richardson	DATE 10-24-06	TIME 15:15

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS
SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS

NOTES: TEMP. ON ARRIVAL 4.7

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Supplemental Report

Report ID: S29263.01(02)
Generated on 11/06/2006
Replaces report S29263.01(01) generated on 11/02/2006

Report to

Attention: Mr. Clifford Yantz
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057

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): S29263.01-S29263.19
Project: GM MFD Grand Blanc
Submitted Date/Time: 10/25/2006 15:15
Sampled by: Mike Robison
P.O. #: 10610474EST

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.

Violetta F. Murshak
Laboratory Director

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Sample Summary (19 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S29263.01	SB2-11-04	Soil	10/24/2006 11:50
S29263.02	Dup-02	Soil	10/24/2006
S29263.03	SB4-26-04	Soil	10/24/2006 13:30
S29263.04	SB4-24-04	Soil	10/24/2006 13:55
S29263.05	SB4-25-04	Soil	10/24/2006 14:20
S29263.06	SB4-20-04	Soil	10/24/2006 14:55
S29263.07	SB4-22-04	Soil	10/24/2006 15:25
S29263.08	SB4-22-08	Soil	10/24/2006 15:40
S29263.09	SB4-23-03	Soil	10/24/2006 16:00
S29263.10	SB4-23-GW	Groundwater	10/24/2006 16:15
S29263.11	SB4-19-04	Soil	10/24/2006 16:55
S29263.12	SB4-18-04	Soil	10/25/2006 08:30
S29263.13	SB4-17-04	Soil	10/25/2006 09:00
S29263.14	SB4-21-13	Soil	10/25/2006 09:55
S29263.15	SB4-16-06	Soil	10/25/2006 10:45
S29263.16	SB4-13-04	Soil	10/25/2006 11:20
S29263.17	SB4-15-08	Soil	10/25/2006 11:45
S29263.18	SB4-15-GW	Groundwater	10/25/2006 12:00
S29263.19	TB-02	Liquid	10/25/2006

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29263.01
Sample Tag: SB2-11-04
Collected Date/Time: 10/24/2006 11:50
Matrix: Soil
COC Reference: 038407

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.6	IR
1	40ml Glass	MeOH	Yes	4.6	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	10/25/06 20:33	EMR		
Extraction, PCB	Completed			3550B	10/28/06 10:50	JAC		
Lead, Coarse Digestion	Completed			3050B	10/30/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	10/26/06 16:00	JRT		
Lead, Fine Digestion	Completed			3050B	10/30/06 12:00	PER		
Mercury Digestion	Completed			7471A	10/27/06 13:00	JRT		
Metal Digestion	Completed			3050B	10/26/06 12:00	SLS		
Metals								
% Coarse by Weight	87.7	%			10/26/06 16:00	JRT		
% Fine by Weight	12.3	%			10/26/06 16:00	JRT		
Total Solids	88	%	1	160.3	10/26/06 12:00	SLS		
Arsenic	1.04	mg/kg	0.10	6020	10/27/06 13:23	SLS	7440-38-2	
Barium	47.5	mg/kg	1.0	6020	10/27/06 13:23	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	10/27/06 13:23	SLS	7440-43-9	
Chromium	3.4	mg/kg	2.0	6020	10/27/06 13:23	SLS	7440-47-3	
Copper	3.1	mg/kg	1.0	6020	10/27/06 13:23	SLS	7440-50-8	
Lead, Coarse	5.1	mg/kg	1.0	6020	10/30/06 16:31	PER		
Lead, Fine	10.6	mg/kg	1.0	6020	10/30/06 17:17	PER		
Lead, Total Calculated	5.77	mg/kg		6020	10/31/06 09:00	JRT	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471	10/30/06 16:35	JRT	7439-97-6	
Selenium	0.59	mg/kg	0.20	6020	10/27/06 13:23	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	10/27/06 13:23	SLS	7440-22-4	
Zinc	8.4	mg/kg	1.0	6020	10/27/06 13:23	SLS	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	10/30/06 14:01	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/30/06 14:01	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/30/06 14:01	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/30/06 14:01	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/30/06 14:01	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/30/06 14:01	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	10/30/06 14:01	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	10/30/06 14:01	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/30/06 14:01	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/30/06 14:01	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/30/06 14:01	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/30/06 14:01	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/30/06 14:01	JANB	11097-69-1	

Lab Sample ID: S29263.01 (continued)
Sample Tag: SB2-11-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1260	Not detected	ug/kg	330	8082	10/30/06 14:01	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	98-86-2	
Anthracene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	120-12-7	
Atrazine	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	10/30/06 19:23	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	105-60-2	
Carbazole	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	108-60-1	
Chrysene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	10/30/06 19:23	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	10/30/06 19:23	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	10/30/06 19:23	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	193-39-5	

Lab Sample ID: S29263.01 (continued)
Sample Tag: SB2-11-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Isophorone	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	10/30/06 19:23	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	10/30/06 19:23	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	10/30/06 19:23	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	10/30/06 19:23	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	10/30/06 19:23	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	10/30/06 19:23	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	85-01-8	
Phenol	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	108-95-2	
Pyrene	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	10/30/06 19:23	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	Not detected	ug/kg	800	5035/8260B	10/27/06 17:18	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	10/27/06 17:18	JGH	78-93-3	
Benzene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	75-27-4	
Bromoform	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	10/27/06 17:18	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	10/27/06 17:18	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	10/27/06 17:18	JGH	75-00-3	
Chloroform	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	10/27/06 17:18	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	75-71-8	

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29263.01 (continued)
Sample Tag: SB2-11-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 5035/8260 (continued)								
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	10/27/06 17:18	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	10/27/06 17:18	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	10/27/06 17:18	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	10/27/06 17:18	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	10/27/06 17:18	JGH	75-09-2	
Styrene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	10/27/06 17:18	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	10/27/06 17:18	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	127-18-4	
Toluene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	10/27/06 17:18	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	10/27/06 17:18	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:18	JGH		

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29263.02
Sample Tag: Dup-02
Collected Date/Time: 10/24/2006 :
Matrix: Soil
COC Reference: 038407

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.6	IR
1	40ml Glass	MeOH	Yes	4.6	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	10/25/06 20:33	EMR		
Extraction, PCB	Completed			3550B	10/28/06 10:50	JAC		
Lead, Coarse Digestion	Completed			3050B	10/30/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	10/26/06 16:00	JRT		
Lead, Fine Digestion	Completed			3050B	10/30/06 12:00	PER		
Mercury Digestion	Completed			7471A	10/27/06 13:00	JRT		
Metal Digestion	Completed			3050B	10/26/06 12:00	SLS		
Metals								
% Coarse by Weight	90.1	%			10/26/06 16:00	JRT		
% Fine by Weight	9.9	%			10/26/06 16:00	JRT		
Total Solids	87	%	1	160.3	10/26/06 12:00	SLS		
Arsenic	1.09	mg/kg	0.10	6020	10/27/06 13:26	SLS	7440-38-2	
Barium	51.2	mg/kg	1.0	6020	10/27/06 13:26	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	10/27/06 13:26	SLS	7440-43-9	
Chromium	3.7	mg/kg	2.0	6020	10/27/06 13:26	SLS	7440-47-3	
Copper	3.1	mg/kg	1.0	6020	10/27/06 13:26	SLS	7440-50-8	
Lead, Coarse	6.6	mg/kg	1.0	6020	10/30/06 16:33	PER		
Lead, Fine	14.7	mg/kg	1.0	6020	10/30/06 17:19	PER		
Lead, Total Calculated	7.40	mg/kg		6020	10/31/06 09:00	JRT	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471	10/30/06 16:20	JRT	7439-97-6	
Selenium	0.55	mg/kg	0.20	6020	10/27/06 13:26	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	10/27/06 13:26	SLS	7440-22-4	
Zinc	9.3	mg/kg	1.0	6020	10/27/06 13:26	SLS	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	10/30/06 14:12	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/30/06 14:12	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/30/06 14:12	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/30/06 14:12	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/30/06 14:12	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/30/06 14:12	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	10/30/06 14:12	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	10/30/06 14:12	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	10/30/06 14:12	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	10/30/06 14:12	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	10/30/06 14:12	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	10/30/06 14:12	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	10/30/06 14:12	JANB	11097-69-1	

Lab Sample ID: S29263.02 (continued)
Sample Tag: Dup-02

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1260	Not detected	ug/kg	330	8082	10/30/06 14:12	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	98-86-2	
Anthracene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	120-12-7	
Atrazine	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	10/30/06 19:58	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	105-60-2	
Carbazole	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	108-60-1	
Chrysene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	10/30/06 19:58	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	10/30/06 19:58	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	10/30/06 19:58	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	193-39-5	

Lab Sample ID: S29263.02 (continued)
Sample Tag: Dup-02

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Isophorone	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	10/30/06 19:58	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	10/30/06 19:58	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	10/30/06 19:58	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	10/30/06 19:58	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	10/30/06 19:58	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	10/30/06 19:58	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	85-01-8	
Phenol	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	108-95-2	
Pyrene	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	10/30/06 19:58	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	Not detected	ug/kg	900	5035/8260B	10/27/06 17:37	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	900	5035/8260B	10/27/06 17:37	JGH	78-93-3	
Benzene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	75-27-4	
Bromoform	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	10/27/06 17:37	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	10/27/06 17:37	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	10/27/06 17:37	JGH	75-00-3	
Chloroform	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	10/27/06 17:37	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	75-71-8	

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29263.02 (continued)
Sample Tag: Dup-02

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 5035/8260 (continued)								
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	10/27/06 17:37	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	10/27/06 17:37	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	10/27/06 17:37	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	10/27/06 17:37	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	10/27/06 17:37	JGH	75-09-2	
Styrene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	10/27/06 17:37	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	10/27/06 17:37	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	127-18-4	
Toluene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	10/27/06 17:37	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	10/27/06 17:37	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	60	5035/8260B	10/27/06 17:37	JGH		

Merit Laboratories, Inc.
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www.meritlabs.com

C.O.C. PAGE # 1 OF 2

038407

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: CLIFF YANTZ
COMPANY: OBRIEN & GERE
ADDRESS: 33469 W. 14 MILE STE 150
CITY: FARMINGTON HILLS STATE: MI ZIP CODE: 48331
PHONE NO.: 248 661 3745 FAX NO.: 248 661 4057 P.O. NO.: 37404
E-MAIL ADDRESS: QUOTE NO.:

INVOICE TO

CONTACT NAME: X SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: GM MFD GRAND BLANC
SAMPLER(S) - PLEASE PRINT/SIGN NAME: MIKE ROBISON

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES: * FINE + COARSE FRACTION LEAD ANALYSIS FOR SOIL SAMPLES

MERIT LAB NO.	YEAR 2006 DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF SAMPLES	+ Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	SVOCs	PCBs	MI 10 METALS	SPECIAL INSTRUCTIONS/NOTES
29263.01	10/24	11:50	SB2-11-04	S	2	1				1			X	X	X	X	2'-4'
.02		—	DUP-02	S	2	1				1			X	X	X	X	—
.03		13:30	SB4-26-04	S	2	1				1			X	X	X	X	2'-4'
.04		13:55	SB4-24-04	S	2	1				1			X	X	X	X	2'-4'
.05		14:20	SB4-25-04	S	2	1				1			X	X	X	X	2'-4'
.06		14:55	SB4-20-04	S	2	1				1			X	X	X	X	2'-4'
.07		15:25	SB4-22-04	S	2	1				1			X	X	X	X	2'-4'
.08		15:40	SB4-22-08	S	2	1				1			X	X	X	X	6'-8'
.09		16:00	SB4-23-03	S	2	1				1			X	X	X	X	2'-3'
.10		16:15	SB4-23-GW	GW	5	2	2	1					X	X	X	X	GW
.11		16:55	SB4-19-04	S	2	1				1			X	X	X	X	2'-4'
.12	10/25	08:30	SB4-18-04	S	2	1				1			X	X	X	X	2'-4'

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	OBG	10/25/06	13:45
RECEIVED BY: SIGNATURE/ORGANIZATION	Merit	10-25-06	
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Merit	10-25-06	15:15
RECEIVED BY: SIGNATURE/ORGANIZATION	Patricia Richardson	10-25-06	15:15
RELINQUISHED BY: SIGNATURE/ORGANIZATION			
RECEIVED BY: SIGNATURE/ORGANIZATION			

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS
SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS

NOTES: TEMP. ON ARRIVAL 4.6

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Merit Laboratories, Inc.
2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
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C.O.C. PAGE # 2 OF 2

038408

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yantz
COMPANY: O'Brien & Gere
ADDRESS: 33469 W 14 Mile Suite 150
CITY: Farmington Hills STATE: MI ZIP CODE: 48334
PHONE NO.: 248-661-3745 FAX NO.: 248-661-4057 P.O. NO.: 37404
E-MAIL ADDRESS: QUOTE NO.:

INVOICE TO

☑ SAME

CONTACT NAME
COMPANY
ADDRESS
CITY STATE ZIP CODE
PHONE NO. FAX NO. P.O. NO.

PROJECT NO./NAME: GM Grand Blanc MFD
SAMPLER(S) - PLEASE PRINT/SIGN NAME:

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES: * Fine & Coarse Fraction Lead Analysis for Soil Samples

MERIT LAB NO.	2006 YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	SAMPLE MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	SVOCs	PCBs	MI 10 Metals	
29263.13	10/25	09:00	SB4-17-04	S	2	1					1		☒	☒	☒		2'-4'
.14		09:55	SB4-21-13	S	2						1		☒	☒	☒		11'-13'
.15		10:45	SB4-16-06	S	2	1					1		☒	☒	☒		4'-6'
.16		11:20	SB4-13-04	S	2	1					1		☒	☒	☒		2'-4'
.17		11:45	SB4-15-08	S	2	1					1		☒	☒	☒		6'-8'
.18	↓	12:00	SB4-15-GW	GW	5	2	2	1					☒	☒	☒		GW
.19	↓	—	TB-02	L	1		1						X				

RELINQUISHED BY: SIGNATURE/ORGANIZATION — DATE 10/25/06 TIME 1345
RECEIVED BY: SIGNATURE/ORGANIZATION — DATE 10-25-06 TIME 1345

RELINQUISHED BY: SIGNATURE/ORGANIZATION — DATE 10-25-06 TIME 1515
RECEIVED BY: SIGNATURE/ORGANIZATION — Barbara Richardson — DATE 10-25-06 TIME 15:15

RELINQUISHED BY: SIGNATURE/ORGANIZATION — DATE — TIME
RECEIVED BY: SIGNATURE/ORGANIZATION — DATE — TIME

SEAL NO. — SEAL INTACT YES ☐ NO ☐ — INITIALS
SEAL NO. — SEAL INTACT YES ☐ NO ☐ — INITIALS

NOTES: TEMP. ON ARRIVAL 4.6

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S29432.01(01)
Generated on 11/14/2006

Report to

Attention: Mr. Clifford Yantz
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057

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): S29432.01-S29432.12
Project: GM MFD Grand Blanc
Collected Date: 11/06/2006
Submitted Date/Time: 11/07/2006 15:15
Sampled by: Mike Robison
P.O. #: 10610474EST

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.

Violetta F. Murshak
Laboratory Director

Confidential under FOIA
Shane Noreen
LFR
Aug 07, 2009 19:38

Merit Laboratories, Inc.

Analytical Laboratory Report

Sample Summary (12 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S29432.01	SB3-02-03	Soil	11/06/2006 09:00
S29432.02	SB3-03-03	Soil	11/06/2006 09:50
S29432.03	SB3-09-03	Soil	11/06/2006 10:40
S29432.04	SB3-09-GW	Groundwater	11/06/2006 11:00
S29432.05	SB3-07-10	Soil	11/06/2006 11:40
S29432.06	SB3-06-10	Soil	11/06/2006 12:20
S29432.07	SB3-06-GW	Groundwater	11/06/2006 12:50
S29432.08	SB3-05-03	Soil	11/06/2006 13:45
S29432.09	SB2-10-03	Soil	11/06/2006 14:50
S29432.10	SB2-08-03	Soil	11/06/2006 16:00
S29432.11	SB2-05-03	Soil	11/06/2006 16:50
S29432.12	TB-05	Liquid	11/06/2006

Analytical Laboratory Report

Lab Sample ID: S29432.09
Sample Tag: SB2-10-03
Collected Date/Time: 11/06/2006 14:50
Matrix: Soil
COC Reference: 038992

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	11/08/06 11:46	EMR		
Extraction, PCB	Completed			3550B	11/08/06 16:40	TAS		
Lead, Coarse Digestion	Completed			3050B	11/13/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	11/10/06 09:00	SLS		
Lead, Fine Digestion	Completed			3050B	11/13/06 12:00	PER		
Mercury Digestion	Completed			7471A	11/13/06 13:00	JRT		
Metal Digestion	Completed			3050B	11/13/06 12:00	PER		
Inorganics								
Total Solids	87	%	1	160.3	11/09/06 09:00	JRT		
Metals								
% Coarse by Weight	89.7	%			11/10/06 09:00	SLS		
% Fine by Weight	10.3	%			11/10/06 09:00	SLS		
Arsenic	1.73	mg/kg	0.10	6020	11/13/06 16:15	PER	7440-38-2	
Barium	43.0	mg/kg	1.0	6020	11/13/06 16:15	PER	7440-39-3	
Cadmium	0.28	mg/kg	0.20	6020	11/13/06 16:15	PER	7440-43-9	
Chromium	4.0	mg/kg	1.0	6020	11/13/06 16:15	PER	7440-47-3	
Copper	9.9	mg/kg	1.0	6020	11/13/06 16:15	PER	7440-50-8	
Lead, Coarse	15.3	mg/kg	1.0	6020	11/13/06 17:17	PER		
Lead, Fine	65.3	mg/kg	1.0	6020	11/13/06 17:35	PER		
Lead, Total Calculated	20.4	mg/kg	1.0	6020	11/13/06 18:00	PER	7439-92-1C	
Mercury	0.096	mg/kg	0.050	7471A	11/13/06 15:24	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	11/13/06 16:15	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	11/13/06 16:15	PER	7440-22-4	
Zinc	29.8	mg/kg	1.0	6020	11/13/06 16:15	PER	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	11/09/06 13:27	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	11/09/06 13:27	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	11/09/06 13:27	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	11/09/06 13:27	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	11/09/06 13:27	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	11/09/06 13:27	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	11/09/06 13:27	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	11/09/06 13:27	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	11/09/06 13:27	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	11/09/06 13:27	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	11/09/06 13:27	JANB	11141-16-5	

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S29432.09 (continued)
Sample Tag: SB2-10-03

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1248	Not detected	ug/kg	330	8082	11/09/06 13:27	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	11/09/06 13:27	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	11/09/06 13:27	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	56-55-3	
Benzo(a)pyrene	440	ug/kg	330	8270C	11/10/06 19:04	ARH	50-32-8	
Benzo(b)fluoranthene	400	ug/kg	330	8270C	11/10/06 19:04	ARH	205-99-2	
Benzo(ghi)perylene	370	ug/kg	330	8270C	11/10/06 19:04	ARH	191-24-2	
Benzo(k)fluoranthene	380	ug/kg	330	8270C	11/10/06 19:04	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	11/10/06 19:04	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	11/10/06 19:04	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	11/10/06 19:04	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	11/10/06 19:04	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	77-47-4	

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Analytical Laboratory Report

Lab Sample ID: S29432.09 (continued)
Sample Tag: SB2-10-03

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Hexachloroethane	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	330	ug/kg	330	8270C	11/10/06 19:04	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	670	8270C	11/10/06 19:04	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	11/10/06 19:04	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	11/10/06 19:04	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	11/10/06 19:04	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	11/10/06 19:04	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	11/10/06 19:04	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	11/10/06 19:04	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	Not detected	ug/kg	900	5035/8260B	11/13/06 19:43	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	900	5035/8260B	11/13/06 19:43	JGH	78-93-3	
Benzene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	75-27-4	
Bromoform	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	11/13/06 19:43	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	11/13/06 19:43	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	11/13/06 19:43	JGH	75-00-3	
Chloroform	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	11/13/06 19:43	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	10061-01-5	

Analytical Laboratory Report

Lab Sample ID: S29432.09 (continued)
Sample Tag: SB2-10-03

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 5035/8260 (continued)								
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	11/13/06 19:43	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	11/13/06 19:43	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	11/13/06 19:43	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	11/13/06 19:43	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	11/13/06 19:43	JGH	75-09-2	
Styrene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	11/13/06 19:43	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	11/13/06 19:43	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	127-18-4	
Toluene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	11/13/06 19:43	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	11/13/06 19:43	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	60	5035/8260B	11/13/06 19:43	JGH		

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LFR
Aug 07, 2009 19:38

Analytical Laboratory Report

Lab Sample ID: S29432.10
Sample Tag: SB2-08-03
Collected Date/Time: 11/06/2006 16:00
Matrix: Soil
COC Reference: 038992

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	11/08/06 11:46	EMR		
Extraction, PCB	Completed			3550B	11/08/06 16:40	TAS		
Lead, Coarse Digestion	Completed			3050B	11/13/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	11/10/06 09:00	SLS		
Lead, Fine Digestion	Completed			3050B	11/13/06 12:00	PER		
Mercury Digestion	Completed			7471A	11/13/06 13:00	JRT		
Metal Digestion	Completed			3050B	11/13/06 12:00	PER		
Inorganics								
Total Solids	85	%	1	160.3	11/09/06 09:00	JRT		
Metals								
% Coarse by Weight	87.9	%			11/10/06 09:00	SLS		
% Fine by Weight	12.1	%			11/10/06 09:00	SLS		
Arsenic	1.69	mg/kg	0.10	6020	11/13/06 16:18	PER	7440-38-2	
Barium	49.9	mg/kg	1.0	6020	11/13/06 16:18	PER	7440-39-3	
Cadmium	0.23	mg/kg	0.20	6020	11/13/06 16:18	PER	7440-43-9	
Chromium	4.2	mg/kg	1.0	6020	11/13/06 16:18	PER	7440-47-3	
Copper	5.3	mg/kg	1.0	6020	11/13/06 16:18	PER	7440-50-8	
Lead, Coarse	16.2	mg/kg	1.0	6020	11/13/06 17:18	PER		
Lead, Fine	32.9	mg/kg	1.0	6020	11/13/06 17:36	PER		
Lead, Total Calculated	18.2	mg/kg	1.0	6020	11/13/06 18:00	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471A	11/13/06 15:26	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	11/13/06 16:18	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	11/13/06 16:18	PER	7440-22-4	
Zinc	15.0	mg/kg	1.0	6020	11/13/06 16:18	PER	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	11/13/06 16:06	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	11/13/06 16:06	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	11/13/06 16:06	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	11/13/06 16:06	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	11/13/06 16:06	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	11/13/06 16:06	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	11/13/06 16:06	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	11/13/06 16:06	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	11/13/06 16:06	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	11/13/06 16:06	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	11/13/06 16:06	JANB	11141-16-5	

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Analytical Laboratory Report

Lab Sample ID: S29432.10 (continued)
Sample Tag: SB2-08-03

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1248	Not detected	ug/kg	330	8082	11/13/06 16:06	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	11/13/06 16:06	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	11/13/06 16:06	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	11/10/06 18:30	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	11/10/06 18:30	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	11/10/06 18:30	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	11/10/06 18:30	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	117-81-7	
Fluoranthene	450	ug/kg	330	8270C	11/10/06 18:30	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	77-47-4	

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Analytical Laboratory Report

Lab Sample ID: S29432.10 (continued)
Sample Tag: SB2-08-03

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Hexachloroethane	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	670	8270C	11/10/06 18:30	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	11/10/06 18:30	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	11/10/06 18:30	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	11/10/06 18:30	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	11/10/06 18:30	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	11/10/06 18:30	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	108-95-2	
Pyrene	370	ug/kg	330	8270C	11/10/06 18:30	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	11/10/06 18:30	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	Not detected	ug/kg	900	5035/8260B	11/13/06 20:01	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	900	5035/8260B	11/13/06 20:01	JGH	78-93-3	
Benzene	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	75-27-4	
Bromoform	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	11/13/06 20:01	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	11/13/06 20:01	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	11/13/06 20:01	JGH	75-00-3	
Chloroform	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	11/13/06 20:01	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	11/13/06 20:01	JGH	10061-01-5	

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Analytical Laboratory Report

Lab Sample ID: S29432.10 (continued)
Sample Tag: SB2-08-03

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

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Analytical Laboratory Report

Lab Sample ID: S29432.11
Sample Tag: SB2-05-03
Collected Date/Time: 11/06/2006 16:50
Matrix: Soil
COC Reference: 038992

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	11/08/06 11:46	EMR		
Extraction, PCB	Completed			3550B	11/08/06 16:40	TAS		
Lead, Coarse Digestion	Completed			3050B	11/13/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	11/10/06 09:00	SLS		
Lead, Fine Digestion	Completed			3050B	11/13/06 12:00	PER		
Mercury Digestion	Completed			7471A	11/13/06 13:00	JRT		
Metal Digestion	Completed			3050B	11/13/06 12:00	PER		
Inorganics								
Total Solids	90	%	1	160.3	11/09/06 09:00	JRT		
Metals								
% Coarse by Weight	91.1	%			11/10/06 09:00	SLS		
% Fine by Weight	8.9	%			11/10/06 09:00	SLS		
Arsenic	2.39	mg/kg	0.10	6020	11/13/06 16:21	PER	7440-38-2	
Barium	57.7	mg/kg	1.0	6020	11/13/06 16:21	PER	7440-39-3	
Cadmium	0.31	mg/kg	0.20	6020	11/13/06 16:21	PER	7440-43-9	
Chromium	6.7	mg/kg	1.0	6020	11/13/06 16:21	PER	7440-47-3	
Copper	8.2	mg/kg	1.0	6020	11/13/06 16:21	PER	7440-50-8	
Lead, Coarse	10.3	mg/kg	1.0	6020	11/13/06 17:19	PER		
Lead, Fine	32.8	mg/kg	1.0	6020	11/13/06 17:37	PER		
Lead, Total Calculated	12.3	mg/kg	1.0	6020	11/13/06 18:00	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471A	11/13/06 15:27	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	11/13/06 16:21	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	11/13/06 16:21	PER	7440-22-4	
Zinc	37.2	mg/kg	1.0	6020	11/13/06 16:21	PER	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	11/10/06 16:38	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	11/10/06 16:38	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	11/10/06 16:38	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	11/10/06 16:38	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	11/10/06 16:38	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	11/10/06 16:38	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	11/10/06 16:38	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	11/10/06 16:38	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	11/10/06 16:38	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	11/10/06 16:38	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	11/10/06 16:38	JANB	11141-16-5	

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Analytical Laboratory Report

Lab Sample ID: S29432.11 (continued)
Sample Tag: SB2-05-03

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1248	Not detected	ug/kg	330	8082	11/10/06 16:38	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	11/10/06 16:38	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	11/10/06 16:38	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	98-86-2	
Anthracene	940	ug/kg	330	8270C	11/10/06 19:39	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	100-52-7	
Benzo(a)anthracene	5,910	ug/kg	330	8270C	11/10/06 19:39	ARH	56-55-3	
Benzo(a)pyrene	9,400	ug/kg	330	8270C	11/10/06 19:39	ARH	50-32-8	
Benzo(b)fluoranthene	9,710	ug/kg	330	8270C	11/10/06 19:39	ARH	205-99-2	
Benzo(ghi)perylene	5,870	ug/kg	330	8270C	11/10/06 19:39	ARH	191-24-2	
Benzo(k)fluoranthene	6,760	ug/kg	330	8270C	11/10/06 19:39	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	11/10/06 19:39	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	105-60-2	
Carbazole	420	ug/kg	330	8270C	11/10/06 19:39	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	108-60-1	
Chrysene	7,190	ug/kg	330	8270C	11/10/06 19:39	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	11/10/06 19:39	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	11/10/06 19:39	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	11/10/06 19:39	ARH	534-52-1	
Dibenzo(ah)anthracene	420	ug/kg	330	8270C	11/10/06 19:39	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	117-81-7	
Fluoranthene	10,900	ug/kg	330	8270C	11/10/06 19:39	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	77-47-4	

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Analytical Laboratory Report

Lab Sample ID: S29432.11 (continued)
Sample Tag: SB2-05-03

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Hexachloroethane	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	5,330	ug/kg	330	8270C	11/10/06 19:39	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	670	8270C	11/10/06 19:39	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	11/10/06 19:39	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	11/10/06 19:39	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	11/10/06 19:39	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	11/10/06 19:39	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	11/10/06 19:39	ARH	87-86-5	
Phenanthrene	4,300	ug/kg	330	8270C	11/10/06 19:39	ARH	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	108-95-2	
Pyrene	8,500	ug/kg	330	8270C	11/10/06 19:39	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	11/10/06 19:39	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	Not detected	ug/kg	800	5035/8260B	11/13/06 20:20	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	11/13/06 20:20	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	11/13/06 20:20	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	11/13/06 20:20	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	11/13/06 20:20	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	11/13/06 20:20	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	11/13/06 20:20	JGH	10061-01-5	

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S29432.11 (continued)
Sample Tag: SB2-05-03

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

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Analytical Laboratory Report

Lab Sample ID: S29432.12
Sample Tag: TB-05
Collected Date/Time: 11/06/2006 :
Matrix: Liquid
COC Reference: 038992

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	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	11/14/06 03:58	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	11/14/06 03:58	JGH	78-93-3	
Benzene	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	11/14/06 03:58	JGH	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	11/14/06 03:58	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	74-87-3	
Cyclohexane	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	100-41-4	
2-Hexanone	Not detected	ug/L	50	8260B	11/14/06 03:58	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	11/14/06 03:58	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	11/14/06 03:58	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	11/14/06 03:58	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	11/14/06 03:58	JGH	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	11/14/06 03:58	JGH	75-09-2	
Styrene	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	11/14/06 03:58	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	11/14/06 03:58	JGH	120-82-1	

Analytical Laboratory Report

Lab Sample ID: S29432.12 (continued)
Sample Tag: TB-05

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	11/14/06 03:58	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	108-88-3	
Trichloroethene	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	11/14/06 03:58	JGH		

Merit Laboratories, Inc.
2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

038992

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: CLIFF YANTZ
COMPANY: OBRIEN & GERE
ADDRESS: 33469 W. 14 MILE RD SUITE 150
CITY: FARMINGTON HILLS STATE: MI ZIP CODE: 48331
PHONE NO.: 248 661 3745 FAX NO.: 248 661 4057
P.O. NO.: 39923
E-MAIL ADDRESS:
QUOTE NO.: 39923

INVOICE TO

CONTACT NAME: ✓ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: GM MFD GRAND BLANC
SAMPLER(S) - PLEASE PRINT/SIGN NAME: MIKE ROBISON

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES:
* FINE & COARSE FRACTION LEAD ANALYSIS FOR SOIL SAMPLES

MERIT LAB NO.	2006 YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	OTHER	VOCs	SVOCs	PCBs	TAL 10 METALS	SAMPLE DEPTH
29432.01	11/6	09:00	SB3-07-03	S	2	1					1	X	X	X	X	1'-3'
.02		09:50	SB3-03-03	S	2	1					1	X	X	X	X	1'-3'
-03		10:40	SB3-09-03	S	2	1					1	X	X	X	X	1'-3'
.04		11:00	SB3-09-GW	GW	5	2	2	1				X	X	X	X*	GW
-05		11:40	SB3-07-10	S	2	1					1	X	X	X	X	8'-10'
-06		12:20	SB3-06-10	S	2	1					1	X	X	X	X	8'-16'
.07		12:50	SB3-06-GW	GW	5	2	2	1				X	X	X	X*	GW
.08		13:45	SB3-05-03	S	2	1					1	X	X	X	X	1'-3'
.09		14:50	SB2-10-03	S	2	1					1	X	X	X	X	1'-3'
-10		16:00	SB2-08-03	S	2	1					1	X	X	X	X	1'-3'
-11		16:50	SB2-05-03	S	2	1					1	X	X	X	X	1'-3'
-12	↓	—	TB-05	L	1	1						X				—

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
	11/7/06	13:15
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
	11-7-06	13:15
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION: Barbara Richardson	DATE 11-7-06	TIME 15:15

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

NOTES: TEMP. ON ARRIVAL 4.3
* METALS FILTERED IN FIELD FOR GROUNDWATER SAMPLES (DISSOLVED ANALYSIS)

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S29482.01(01)
Generated on 11/21/2006

Report to

Attention: Mr. Clifford Yantz
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057

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): S29482.01-S29482.11
Project: GM MFD Grand Blanc
Collected Date: 11/08/2006
Submitted Date/Time: 11/10/2006 08:00
Sampled by: Mike Robison
P.O. #: 10610474EST

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.

Violetta F. Murshak
Laboratory Director

Merit Laboratories, Inc.

Analytical Laboratory Report

Sample Summary (11 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S29482.01	SB4-11-10	Soil	11/08/2006 08:40
S29482.02	SB4-14-03	Soil	11/08/2006 09:30
S29482.03	SB5-08-13	Soil	11/08/2006 12:00
S29482.04	SB5-11-10	Soil	11/08/2006 13:40
S29482.05	EB-04	Liquid	11/08/2006 14:00
S29482.06	CORE-04-02	Soil	11/08/2006 14:40
S29482.07	SB4-27-03	Soil	11/08/2006 15:20
S29482.08	SS2-03	Soil	11/08/2006 16:00
S29482.09	SS2-04	Soil	11/08/2006 16:30
S29482.10	TB-06	Liquid	11/08/2006
S29482.11	SB3-13-09	Soil	11/08/2006 13:00

Confidential under FOIA
Shane Noreen
LFR
Aug 07, 2009 19:38

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S29482.08
Sample Tag: SS2-03
Collected Date/Time: 11/08/2006 16:00
Matrix: Soil
COC Reference: 038993

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.6	IR
1	40ml Glass	MeOH	Yes	4.6	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	11/10/06 15:30	DLR		
Extraction, PCB	Completed			3550B	11/14/06 11:00	TAS		
Lead, Coarse Digestion	Completed			3050B	11/20/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	11/14/06 10:00	JRT		
Lead, Fine Digestion	Completed			3050B	11/20/06 12:00	PER		
Mercury Digestion	Completed			7471A	11/14/06 11:00	JRT		
Metal Digestion	Completed			3050B	11/20/06 12:00	PER		
Inorganics								
Total Solids	87	%	1	160.3	11/14/06 10:00	JRT		
Metals								
% Coarse by Weight	69.6	%			11/14/06 10:00	JRT		
% Fine by Weight	30.4	%			11/14/06 10:00	JRT		
Arsenic	4.89	mg/kg	0.10	6020	11/20/06 13:37	PER	7440-38-2	
Barium	42.9	mg/kg	1.0	6020	11/20/06 13:37	PER	7440-39-3	
Cadmium	7.29	mg/kg	0.20	6020	11/20/06 13:37	PER	7440-43-9	
Chromium	19.1	mg/kg	1.0	6020	11/20/06 13:37	PER	7440-47-3	
Copper	65.3	mg/kg	1.0	6020	11/20/06 13:37	PER	7440-50-8	
Lead, Coarse	267	mg/kg	1.0	6020	11/20/06 17:06	PER		
Lead, Fine	1,690	mg/kg	1.0	6020	11/20/06 17:29	PER		
Lead, Total Calculated	699	mg/kg		6020	11/21/06 09:00	PER	7439-92-1C	
Mercury	0.076	mg/kg	0.050	7471A	11/14/06 14:35	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	11/20/06 13:37	PER	7782-49-2	
Silver	0.24	mg/kg	0.20	6020	11/20/06 13:37	PER	7440-22-4	
Zinc	645	mg/kg	1.0	6020	11/20/06 13:37	PER	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	11/15/06 11:19	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	11/15/06 11:19	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	11/15/06 11:19	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	11/15/06 11:19	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	11/15/06 11:19	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	11/15/06 11:19	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	11/15/06 11:19	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	11/15/06 11:19	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	11/15/06 11:19	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	11/15/06 11:19	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	11/15/06 11:19	JANB	11141-16-5	

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S29482.08 (continued)
Sample Tag: SS2-03

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1248	Not detected	ug/kg	330	8082	11/15/06 11:19	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	11/15/06 11:19	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	11/15/06 11:19	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	98-86-2	
Anthracene	940	ug/kg	330	8270C	11/16/06 12:06	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	100-52-7	
Benzo(a)anthracene	3,350	ug/kg	330	8270C	11/16/06 12:06	ARH	56-55-3	
Benzo(a)pyrene	4,140	ug/kg	330	8270C	11/16/06 12:06	ARH	50-32-8	
Benzo(b)fluoranthene	3,490	ug/kg	330	8270C	11/16/06 12:06	ARH	205-99-2	
Benzo(ghi)perylene	2,410	ug/kg	330	8270C	11/16/06 12:06	ARH	191-24-2	
Benzo(k)fluoranthene	3,040	ug/kg	330	8270C	11/16/06 12:06	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	11/16/06 12:06	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	105-60-2	
Carbazole	410	ug/kg	330	8270C	11/16/06 12:06	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	108-60-1	
Chrysene	3,540	ug/kg	330	8270C	11/16/06 12:06	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	11/16/06 12:06	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	11/16/06 12:06	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	11/16/06 12:06	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	117-81-7	
Fluoranthene	7,060	ug/kg	330	8270C	11/16/06 12:06	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	77-47-4	

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Analytical Laboratory Report

Lab Sample ID: S29482.08 (continued)
Sample Tag: SS2-03

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Hexachloroethane	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	2,170	ug/kg	330	8270C	11/16/06 12:06	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	670	8270C	11/16/06 12:06	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	11/16/06 12:06	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	11/16/06 12:06	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	11/16/06 12:06	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	11/16/06 12:06	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	11/16/06 12:06	ARH	87-86-5	
Phenanthrene	3,240	ug/kg	330	8270C	11/16/06 12:06	ARH	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	108-95-2	
Pyrene	6,600	ug/kg	330	8270C	11/16/06 12:06	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	11/16/06 12:06	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	Not detected	ug/kg	900	5035/8260B	11/13/06 22:27	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	900	5035/8260B	11/13/06 22:27	JGH	78-93-3	
Benzene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	75-27-4	
Bromoform	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	11/13/06 22:27	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	11/13/06 22:27	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	11/13/06 22:27	JGH	75-00-3	
Chloroform	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	11/13/06 22:27	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	10061-01-5	

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Analytical Laboratory Report

Lab Sample ID: S29482.08 (continued)
Sample Tag: SS2-03

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 5035/8260 (continued)								
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	11/13/06 22:27	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	11/13/06 22:27	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	11/13/06 22:27	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	11/13/06 22:27	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	11/13/06 22:27	JGH	75-09-2	
Styrene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	11/13/06 22:27	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	11/13/06 22:27	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	127-18-4	
Toluene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	11/13/06 22:27	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	11/13/06 22:27	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:27	JGH		

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LFR
Aug 07, 2009 19:38

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Analytical Laboratory Report

Lab Sample ID: S29482.09
Sample Tag: SS2-04
Collected Date/Time: 11/08/2006 16:30
Matrix: Soil
COC Reference: 038993

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.6	IR
1	40ml Glass	MeOH	Yes	4.6	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	11/10/06 15:30	DLR		
Extraction, PCB	Completed			3550B	11/14/06 11:00	TAS		
Lead, Coarse Digestion	Completed			3050B	11/20/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	11/14/06 10:00	JRT		
Lead, Fine Digestion	Completed			3050B	11/20/06 12:00	PER		
Mercury Digestion	Completed			7471A	11/14/06 11:00	JRT		
Metal Digestion	Completed			3050B	11/20/06 12:00	PER		
Inorganics								
Total Solids	80	%	1	160.3	11/14/06 10:00	JRT		
Metals								
% Coarse by Weight	87.9	%			11/14/06 10:00	JRT		
% Fine by Weight	12.1	%			11/14/06 10:00	JRT		
Arsenic	2.40	mg/kg	0.10	6020	11/20/06 13:40	PER	7440-38-2	
Barium	49.5	mg/kg	1.0	6020	11/20/06 13:40	PER	7440-39-3	
Cadmium	5.17	mg/kg	0.20	6020	11/20/06 13:40	PER	7440-43-9	
Chromium	38.1	mg/kg	1.0	6020	11/20/06 13:40	PER	7440-47-3	
Copper	94.1	mg/kg	1.0	6020	11/20/06 13:40	PER	7440-50-8	
Lead, Coarse	70.0	mg/kg	1.0	6020	11/20/06 17:07	PER		
Lead, Fine	180	mg/kg	1.0	6020	11/20/06 17:30	PER		
Lead, Total Calculated	83.3	mg/kg		6020	11/21/06 09:00	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471A	11/14/06 14:37	JRT	7439-97-6	
Selenium	Not detected	mg/kg	0.50	6020	11/20/06 13:40	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	11/20/06 13:40	PER	7440-22-4	
Zinc	691	mg/kg	1.0	6020	11/20/06 13:40	PER	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	11/15/06 11:30	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	11/15/06 11:30	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	11/15/06 11:30	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	11/15/06 11:30	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	11/15/06 11:30	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	11/15/06 11:30	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	11/15/06 11:30	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	11/15/06 11:30	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	11/15/06 11:30	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	11/15/06 11:30	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	11/15/06 11:30	JANB	11141-16-5	

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Analytical Laboratory Report

Lab Sample ID: S29482.09 (continued)
Sample Tag: SS2-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - PCBs/Pesticides (continued)								
TCL PCB List (Column 2) (continued)								
PCB-1248	Not detected	ug/kg	330	8082	11/15/06 11:30	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	11/15/06 11:30	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	11/15/06 11:30	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	83-32-9	XY
Acenaphthylene	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	208-96-8	XY
Acetophenone	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	98-86-2	XY
Anthracene	13,900	ug/kg	630	8270C	11/16/06 23:08	ARH	120-12-7	XY
Atrazine	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	1912-24-9	XY
1,1'-Biphenyl	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	92-52-4	XY
4-Bromophenyl phenyl ether	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	101-55-3	XY
di-n-Butyl phthalate	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	84-74-2	XY
Benzaldehyde	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	100-52-7	XY
Benzo(a)anthracene	37,300	ug/kg	630	8270C	11/16/06 23:08	ARH	56-55-3	XY
Benzo(a)pyrene	37,300	ug/kg	630	8270C	11/16/06 23:08	ARH	50-32-8	XY
Benzo(b)fluoranthene	35,100	ug/kg	630	8270C	11/16/06 23:08	ARH	205-99-2	XY
Benzo(ghi)perylene	19,400	ug/kg	630	8270C	11/16/06 23:08	ARH	191-24-2	XY
Benzo(k)fluoranthene	30,400	ug/kg	630	8270C	11/16/06 23:08	ARH	207-08-9	XY
Butyl benzyl phthalate	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	85-68-7	XY
2-Chloronaphthalene	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	91-58-7	XY
2-Chlorophenol	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	95-57-8	XY
4-Chloro-3-methylphenol	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	59-50-7	XY
4-Chloroaniline	Not detected	ug/kg	670	8270C	11/16/06 23:08	ARH	106-47-8	XY
4-Chlorophenyl phenyl ether	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	7005-72-3	XY
Caprolactam	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	105-60-2	XY
Carbazole	2,030	ug/kg	630	8270C	11/16/06 23:08	ARH	86-74-8	XY
bis(2-Chloroethoxy)methane	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	111-91-1	XY
bis(2-Chloroethyl)ether	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	111-44-4	XY
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	108-60-1	XY
Chrysene	38,600	ug/kg	630	8270C	11/16/06 23:08	ARH	218-01-9	XY
2,4-Dichlorophenol	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	120-83-2	XY
2,4-Dimethylphenol	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	105-67-9	XY
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	11/16/06 23:08	ARH	51-28-5	XY
2,4-Dinitrotoluene	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	121-14-2	XY
2,6-Dinitrotoluene	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	606-20-2	XY
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	11/16/06 23:08	ARH	91-94-1	XY
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	11/16/06 23:08	ARH	534-52-1	XY
Dibenzo(ah)anthracene	1,800	ug/kg	630	8270C	11/16/06 23:08	ARH	53-70-3	XY
Dibenzofuran	1,020	ug/kg	630	8270C	11/16/06 23:08	ARH	132-64-9	XY
Diethyl phthalate	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	84-66-2	XY
Dimethyl phthalate	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	131-11-3	XY
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	117-81-7	XY
Fluoranthene	81,600	ug/kg	630	8270C	11/16/06 23:08	ARH	206-44-0	XY
Fluorene	1,730	ug/kg	630	8270C	11/16/06 23:08	ARH	86-73-7	XY
Hexachlorobenzene	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	118-74-1	XY
Hexachlorobutadiene	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	87-68-3	XY

X-Elevated reporting limit due to matrix interference Y-Elevated reporting limit due to high target concentration

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S29482.09 (continued)
Sample Tag: SS2-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Hexachlorocyclopentadiene	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	77-47-4	XY
Hexachloroethane	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	67-72-1	XY
Indeno(1,2,3-cd)pyrene	18,300	ug/kg	630	8270C	11/16/06 23:08	ARH	193-39-5	XY
Isophorone	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	78-59-1	XY
2-Methylnaphthalene	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	91-57-6	XY
2-Methylphenol	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	95-48-7	XY
3-, 4-Methylphenol	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	108-39-4	XY
2-Nitroaniline	Not detected	ug/kg	670	8270C	11/16/06 23:08	ARH	88-74-4	XY
2-Nitrophenol	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	88-75-5	XY
3-Nitroaniline	Not detected	ug/kg	670	8270C	11/16/06 23:08	ARH	99-09-2	XY
4-Nitroaniline	Not detected	ug/kg	670	8270C	11/16/06 23:08	ARH	100-01-6	XY
4-Nitrophenol	Not detected	ug/kg	670	8270C	11/16/06 23:08	ARH	100-02-7	XY
N-Nitrosodi-n-propylamine	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	621-64-7	XY
N-Nitrosodiphenylamine	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	86-30-6	XY
Naphthalene	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	91-20-3	XY
Nitrobenzene	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	98-95-3	XY
di-n-Octyl phthalate	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	117-84-0	XY
Pentachlorophenol	Not detected	ug/kg	670	8270C	11/16/06 23:08	ARH	87-86-5	XY
Phenanthrene	36,700	ug/kg	630	8270C	11/16/06 23:08	ARH	85-01-8	XY
Phenol	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	108-95-2	XY
Pyrene	80,900	ug/kg	630	8270C	11/16/06 23:08	ARH	129-00-0	XY
2,4,5-Trichlorophenol	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	95-95-4	XY
2,4,6-Trichlorophenol	Not detected	ug/kg	630	8270C	11/16/06 23:08	ARH	88-06-2	XY
Organics - Volatiles								
TCL Volatile Organics 5035/8260								
Acetone	Not detected	ug/kg	900	5035/8260B	11/13/06 22:46	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	900	5035/8260B	11/13/06 22:46	JGH	78-93-3	
Benzene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	75-27-4	
Bromoform	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	11/13/06 22:46	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	11/13/06 22:46	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	11/13/06 22:46	JGH	75-00-3	
Chloroform	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	11/13/06 22:46	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	106-46-7	

X-Elevated reporting limit due to matrix interference Y-Elevated reporting limit due to high target concentration

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S29482.09 (continued)
Sample Tag: SS2-04

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 5035/8260 (continued)								
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	11/13/06 22:46	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	11/13/06 22:46	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	11/13/06 22:46	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	11/13/06 22:46	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	11/13/06 22:46	JGH	75-09-2	
Styrene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	11/13/06 22:46	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	11/13/06 22:46	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	127-18-4	
Toluene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	11/13/06 22:46	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	11/13/06 22:46	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	60	5035/8260B	11/13/06 22:46	JGH		

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Shane Noreen
LFR
Aug 07, 2009 19:38

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Analytical Laboratory Report

Lab Sample ID: S29482.10
Sample Tag: TB-06
Collected Date/Time: 11/08/2006 :
Matrix: Liquid
COC Reference: 038993

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	4.6	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	11/14/06 05:46	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	11/14/06 05:46	JGH	78-93-3	
Benzene	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	11/14/06 05:46	JGH	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	11/14/06 05:46	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	74-87-3	
Cyclohexane	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	100-41-4	
2-Hexanone	Not detected	ug/L	50	8260B	11/14/06 05:46	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	11/14/06 05:46	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	11/14/06 05:46	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	11/14/06 05:46	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	11/14/06 05:46	JGH	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	11/14/06 05:46	JGH	75-09-2	
Styrene	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	11/14/06 05:46	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	11/14/06 05:46	JGH	120-82-1	

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S29482.10 (continued)
Sample Tag: TB-06

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	11/14/06 05:46	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	108-88-3	
Trichloroethene	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	11/14/06 05:46	JGH		

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C.O.C. PAGE # 1 OF 1

038993

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: CLIFF YANTZ
COMPANY: OBRIEN + GERE
ADDRESS: 33469 W. 14 MILE RD. SUITE 150
CITY: FARMINGTON HILLS STATE: MI ZIP CODE: 48331
PHONE NO.: 248661 3745 FAX NO.: 248661 4057 P.O. NO.: 39923
E-MAIL ADDRESS: QUOTE NO.:

INVOICE TO

CONTACT NAME: SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: GM MFD GRAND BLANC
SAMPLER(S) - PLEASE PRINT/SIGN NAME:

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES: *FINE + COARSE FRACTION LEAD ANALYSIS ON SOIL SAMPLES

MERIT LAB NO.	2006 YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF CONTAINERS	NONE	HCL	HNO_3	H_2SO_4	NaOH	NO3	OTHER	VOCs	SVOCs	PCBs	M'10' METALS	SPECIAL INSTRUCTIONS/NOTES
29482.01	11/8	08:40	SB4-11-10	S	3		1				1		X	X	X	X	8'-10'
.02		09:30	SB4-14-03	S	3		1				1		X	X	X	X	1'-3'
.03		12:00	SB5-08-13	S	2		1				1		X	X	X	X	11'-13'
.04		13:00	SB3-13-09	S	2		1				1		X	X	X	X	7'-9'
.05		14:00	EB-04	L	5	2	2	1					X	X	X	X	—
.06		14:40	CORE-04-02	S	2		1				1		X	X	X	X	6"-2'
.07		15:20	SB4-07-03	S	2		1				1		X	X	X	X	1'-3'
.08		16:00	SS2-03	S	2		1				1		X	X	X	X	0-6"
.09		16:30	SS2-04	S	2		1				1		X	X	X	X	0-6"
.10	↓	—	TB-06	L	1		1						X				

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION Barbara Richardson	DATE 11-10-06	TIME 8:00
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 4.6
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Supplemental Report

Report ID: S29884.01(02)
Generated on 12/22/2006
Replaces report S29884.01(01) generated on 12/15/2006

Report to

Attention: Mr. Clifford Yantz
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057

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): S29884.01-S29884.27
Project: GM MFD Grand Blanc
Collected Date: 12/06/2006
Submitted Date/Time: 12/07/2006 14:30
Sampled by: Mike Robison
P.O. #: 10610474EST

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.

Violetta F. Murshak
Laboratory Director

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Sample Summary (27 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S29884.01	SS2-05	Soil	12/06/2006 09:00
S29884.02	SB2-14-05	Soil	12/06/2006 09:15
S29884.03	SS2-06	Soil	12/06/2006 10:00
S29884.04	SB2-15-05	Soil	12/06/2006 10:15
S29884.05	SS2-07	Soil	12/06/2006 10:40
S29884.06	SB2-16-05	Soil	12/06/2006 10:50
S29884.07	SS2-08	Soil	12/06/2006 11:10
S29884.08	SB2-17-05	Soil	12/06/2006 11:20
S29884.09	SS2-09	Soil	12/06/2006 11:40
S29884.10	SB2-18-05	Soil	12/06/2006 11:55
S29884.11	SS2-10	Soil	12/06/2006 12:10
S29884.12	SB2-19-05	Soil	12/06/2006 12:20
S29884.13	SB2-20-01	Soil	12/06/2006 12:30
S29884.14	SB2-20-05	Soil	12/06/2006 12:40
S29884.15	SS2-11	Soil	12/06/2006 12:50
S29884.16	SB2-21-05	Soil	12/06/2006 13:00
S29884.17	SS2-12	Soil	12/06/2006 13:15
S29884.18	SB2-22-05	Soil	12/06/2006 13:30
S29884.19	SS2-13	Soil	12/06/2006 13:50
S29884.20	SB2-23-05	Soil	12/06/2006 14:00
S29884.21	SS4-02	Soil	12/06/2006 14:20
S29884.22	SB4-28-05	Soil	12/06/2006 14:30
S29884.23	SS4-03	Soil	12/06/2006 15:00
S29884.24	SS4-04	Soil	12/06/2006 15:20
S29884.25	Dup-06	Soil	12/06/2006
S29884.26	SS4-05	Soil	12/06/2006 15:50
S29884.27	EB-05	Water	12/06/2006 16:00

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29884.01
Sample Tag: SS2-05
Collected Date/Time: 12/06/2006 09:00
Matrix: Soil
COC Reference: 038912

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	12/07/06 23:07	EMR		
Lead, Coarse Digestion	Completed			3050B	12/15/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/13/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/15/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/13/06 13:30	JRT		
Metal Digestion	Completed			3050B	12/13/06 12:00	SLS		
Inorganics								
Total Solids	84	%	1	160.3	12/13/06 10:30	JRT		
Metals								
% Coarse by Weight	97.2	%			12/13/06 10:30	JRT		
% Fine by Weight	2.8	%			12/13/06 10:30	JRT		
Arsenic	1.34	mg/kg	0.10	6020	12/14/06 15:57	SLS	7440-38-2	
Barium	38.4	mg/kg	1.0	6020	12/14/06 15:57	SLS	7440-39-3	
Cadmium	0.76	mg/kg	0.20	6020	12/14/06 15:57	SLS	7440-43-9	
Chromium	7.8	mg/kg	2.0	6020	12/14/06 15:57	SLS	7440-47-3	
Copper	18.7	mg/kg	1.0	6020	12/14/06 15:57	SLS	7440-50-8	
Lead, Coarse	19.0	mg/kg	1.0	6020	12/15/06 13:04	PER		
Lead, Fine	56.3	mg/kg	1.0	6020	12/15/06 13:29	PER		
Lead, Total Calculated	20.0	mg/kg	1.0	6020	12/15/06 14:30	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471A	12/13/06 15:40	JRT	7439-97-6	
Selenium	0.43	mg/kg	0.20	6020	12/14/06 15:57	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	12/14/06 15:57	SLS	7440-22-4	
Zinc	80.0	mg/kg	1.0	6020	12/14/06 15:57	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/13/06 22:16	ARH	83-32-9	I
Acenaphthylene	Not detected	ug/kg	300	8270C	12/13/06 22:16	ARH	208-96-8	I
Anthracene	2,000	ug/kg	300	8270C	12/13/06 22:16	ARH	120-12-7	I
Benzo(a)anthracene	10,700	ug/kg	300	8270C	12/13/06 22:16	ARH	56-55-3	I
Benzo(a)pyrene	11,700	ug/kg	300	8270C	12/13/06 22:16	ARH	50-32-8	I
Benzo(b)fluoranthene	13,200	ug/kg	300	8270C	12/13/06 22:16	ARH	205-99-2	I
Benzo(k)fluoranthene	12,200	ug/kg	300	8270C	12/13/06 22:16	ARH	207-08-9	I
Benzo(ghi)perylene	3,200	ug/kg	300	8270C	12/13/06 22:16	ARH	191-24-2	I
Chrysene	10,900	ug/kg	300	8270C	12/13/06 22:16	ARH	218-01-9	I
Dibenzo(ah)anthracene	400	ug/kg	300	8270C	12/13/06 22:16	ARH	53-70-3	I
Fluoranthene	20,100	ug/kg	300	8270C	12/13/06 22:16	ARH	206-44-0	I
Fluorene	300	ug/kg	300	8270C	12/13/06 22:16	ARH	86-73-7	I
Indeno(1,2,3-cd)pyrene	4,000	ug/kg	300	8270C	12/13/06 22:16	ARH	193-39-5	I
Naphthalene	Not detected	ug/kg	300	8270C	12/13/06 22:16	ARH	91-20-3	I

I-Matrix interference with internal standard

Lab Sample ID: S29884.01 (continued)
Sample Tag: SS2-05

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Phenanthrene	5,500	ug/kg	300	8270C	12/13/06 22:16	ARH	85-01-8	I
Pyrene	17,400	ug/kg	300	8270C	12/13/06 22:16	ARH	129-00-0	I
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/13/06 22:16	ARH	91-57-6	I
Polynuclear Aromatics (Replicate 01)								
Acenaphthene	Not detected	ug/kg	400	8270C	12/14/06 23:50	ARH	83-32-9	XI
Acenaphthylene	Not detected	ug/kg	400	8270C	12/14/06 23:50	ARH	208-96-8	XI
Anthracene	1,800	ug/kg	400	8270C	12/14/06 23:50	ARH	120-12-7	XI
Benzo(a)anthracene	10,100	ug/kg	400	8270C	12/14/06 23:50	ARH	56-55-3	XI
Benzo(a)pyrene	10,700	ug/kg	400	8270C	12/14/06 23:50	ARH	50-32-8	XI
Benzo(b)fluoranthene	11,600	ug/kg	400	8270C	12/14/06 23:50	ARH	205-99-2	XI
Benzo(k)fluoranthene	11,600	ug/kg	400	8270C	12/14/06 23:50	ARH	207-08-9	XI
Benzo(ghi)perylene	2,400	ug/kg	400	8270C	12/14/06 23:50	ARH	191-24-2	XI
Chrysene	10,800	ug/kg	400	8270C	12/14/06 23:50	ARH	218-01-9	XI
Dibenzo(ah)anthracene	Not detected	ug/kg	400	8270C	12/14/06 23:50	ARH	53-70-3	XI
Fluoranthene	19,700	ug/kg	400	8270C	12/14/06 23:50	ARH	206-44-0	XI
Fluorene	Not detected	ug/kg	400	8270C	12/14/06 23:50	ARH	86-73-7	XI
Indeno(1,2,3-cd)pyrene	2,900	ug/kg	400	8270C	12/14/06 23:50	ARH	193-39-5	XI
Naphthalene	Not detected	ug/kg	400	8270C	12/14/06 23:50	ARH	91-20-3	XI
Phenanthrene	5,300	ug/kg	400	8270C	12/14/06 23:50	ARH	85-01-8	XI
Pyrene	17,700	ug/kg	400	8270C	12/14/06 23:50	ARH	129-00-0	XI
2-Methylnaphthalene	Not detected	ug/kg	400	8270C	12/14/06 23:50	ARH	91-57-6	XI

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

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29884.02
Sample Tag: SB2-14-05
Collected Date/Time: 12/06/2006 09:15
Matrix: Soil
COC Reference: 038912

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
PNA Extraction	Completed			3550B	12/18/06 20:49	WAR		
Inorganics								
Total Solids	87	%	1	160.3	12/16/06 5:09	LBR		
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/21/06 13:44	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/21/06 13:44	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/21/06 13:44	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/21/06 13:44	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	12/21/06 13:44	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	12/21/06 13:44	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	12/21/06 13:44	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/21/06 13:44	ARH	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	12/21/06 13:44	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/21/06 13:44	ARH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	12/21/06 13:44	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/21/06 13:44	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/21/06 13:44	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/21/06 13:44	ARH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	12/21/06 13:44	ARH	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	12/21/06 13:44	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/21/06 13:44	ARH	91-57-6	

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29884.03
Sample Tag: SS2-06
Collected Date/Time: 12/06/2006 10:00
Matrix: Soil
COC Reference: 038912

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	12/07/06 23:07	EMR		
Lead, Coarse Digestion	Completed			3050B	12/15/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/13/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/15/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/13/06 13:30	JRT		
Metal Digestion	Completed			3050B	12/13/06 12:00	SLS		
Inorganics								
Total Solids	83	%	1	160.3	12/13/06 10:30	JRT		
Metals								
% Coarse by Weight	94.9	%			12/13/06 10:30	JRT		
% Fine by Weight	5.1	%			12/13/06 10:30	JRT		
Arsenic	1.22	mg/kg	0.10	6020	12/14/06 16:00	SLS	7440-38-2	
Barium	44.4	mg/kg	1.0	6020	12/14/06 16:00	SLS	7440-39-3	
Cadmium	1.21	mg/kg	0.20	6020	12/14/06 16:00	SLS	7440-43-9	
Chromium	15.8	mg/kg	2.0	6020	12/14/06 16:00	SLS	7440-47-3	
Copper	52.9	mg/kg	1.0	6020	12/14/06 16:00	SLS	7440-50-8	
Lead, Coarse	30.1	mg/kg	1.0	6020	12/15/06 13:06	PER		
Lead, Fine	49.8	mg/kg	1.0	6020	12/15/06 13:31	PER		
Lead, Total Calculated	31.1	mg/kg	1.0	6020	12/15/06 14:30	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471A	12/13/06 15:41	JRT	7439-97-6	
Selenium	0.39	mg/kg	0.20	6020	12/14/06 16:00	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	12/14/06 16:00	SLS	7440-22-4	
Zinc	191	mg/kg	1.0	6020	12/14/06 16:00	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/13/06 16:12	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/13/06 16:12	ARH	208-96-8	
Anthracene	300	ug/kg	300	8270C	12/13/06 16:12	ARH	120-12-7	
Benzo(a)anthracene	1,600	ug/kg	300	8270C	12/13/06 16:12	ARH	56-55-3	
Benzo(a)pyrene	2,000	ug/kg	300	8270C	12/13/06 16:12	ARH	50-32-8	
Benzo(b)fluoranthene	1,800	ug/kg	300	8270C	12/13/06 16:12	ARH	205-99-2	
Benzo(k)fluoranthene	1,900	ug/kg	300	8270C	12/13/06 16:12	ARH	207-08-9	
Benzo(ghi)perylene	1,000	ug/kg	300	8270C	12/13/06 16:12	ARH	191-24-2	
Chrysene	1,800	ug/kg	300	8270C	12/13/06 16:12	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/13/06 16:12	ARH	53-70-3	
Fluoranthene	3,500	ug/kg	300	8270C	12/13/06 16:12	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/13/06 16:12	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	1,100	ug/kg	300	8270C	12/13/06 16:12	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/13/06 16:12	ARH	91-20-3	
Phenanthrene	1,100	ug/kg	300	8270C	12/13/06 16:12	ARH	85-01-8	

Lab Sample ID: S29884.03 (continued)
Sample Tag: SS2-06

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	2,900	ug/kg	300	8270C	12/13/06 16:12	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/13/06 16:12	ARH	91-57-6	

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29884.04
Sample Tag: SB2-15-05
Collected Date/Time: 12/06/2006 10:15
Matrix: Soil
COC Reference: 038912

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				12/07/06 15:30	BJR		

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29884.05
Sample Tag: SS2-07
Collected Date/Time: 12/06/2006 10:40
Matrix: Soil
COC Reference: 038912

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	12/07/06 23:07	EMR		
Lead, Coarse Digestion	Completed			3050B	12/15/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/13/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/15/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/13/06 13:30	JRT		
Metal Digestion	Completed			3050B	12/13/06 12:00	SLS		
Inorganics								
Total Solids	84	%	1	160.3	12/13/06 10:30	JRT		
Metals								
% Coarse by Weight	91.4	%			12/13/06 10:30	JRT		
% Fine by Weight	8.6	%			12/13/06 10:30	JRT		
Arsenic	0.89	mg/kg	0.10	6020	12/14/06 16:03	SLS	7440-38-2	
Barium	47.8	mg/kg	1.0	6020	12/14/06 16:03	SLS	7440-39-3	
Cadmium	0.65	mg/kg	0.20	6020	12/14/06 16:03	SLS	7440-43-9	
Chromium	6.7	mg/kg	2.0	6020	12/14/06 16:03	SLS	7440-47-3	
Copper	11.6	mg/kg	1.0	6020	12/14/06 16:03	SLS	7440-50-8	
Lead, Coarse	22.7	mg/kg	1.0	6020	12/15/06 13:07	PER		
Lead, Fine	44.7	mg/kg	1.0	6020	12/15/06 13:32	PER		
Lead, Total Calculated	24.5	mg/kg	1.0	6020	12/15/06 14:30	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471A	12/13/06 15:43	JRT	7439-97-6	
Selenium	0.22	mg/kg	0.20	6020	12/14/06 16:03	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	12/14/06 16:03	SLS	7440-22-4	
Zinc	56.7	mg/kg	1.0	6020	12/14/06 16:03	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/13/06 21:30	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/13/06 21:30	ARH	208-96-8	
Anthracene	800	ug/kg	300	8270C	12/13/06 21:30	ARH	120-12-7	
Benzo(a)anthracene	4,400	ug/kg	300	8270C	12/13/06 21:30	ARH	56-55-3	
Benzo(a)pyrene	5,500	ug/kg	300	8270C	12/13/06 21:30	ARH	50-32-8	
Benzo(b)fluoranthene	6,200	ug/kg	300	8270C	12/13/06 21:30	ARH	205-99-2	
Benzo(k)fluoranthene	4,800	ug/kg	300	8270C	12/13/06 21:30	ARH	207-08-9	
Benzo(ghi)perylene	1,600	ug/kg	300	8270C	12/13/06 21:30	ARH	191-24-2	
Chrysene	4,800	ug/kg	300	8270C	12/13/06 21:30	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/13/06 21:30	ARH	53-70-3	
Fluoranthene	8,400	ug/kg	300	8270C	12/13/06 21:30	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/13/06 21:30	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	2,000	ug/kg	300	8270C	12/13/06 21:30	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/13/06 21:30	ARH	91-20-3	
Phenanthrene	2,100	ug/kg	300	8270C	12/13/06 21:30	ARH	85-01-8	

Lab Sample ID: S29884.05 (continued)
Sample Tag: SS2-07

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	7,300	ug/kg	300	8270C	12/13/06 21:30	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/13/06 21:30	ARH	91-57-6	

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Supplemental Report

Lab Sample ID: S29884.06
Sample Tag: SB2-16-05
Collected Date/Time: 12/06/2006 10:50
Matrix: Soil
COC Reference: 038912

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
PNA Extraction	Completed			3550B	12/18/06 20:49	WAR		
Inorganics								
Total Solids	87	%	1	160.3	12/16/06 5:09	LBR		
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/21/06 14:06	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/21/06 14:06	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/21/06 14:06	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/21/06 14:06	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	12/21/06 14:06	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	12/21/06 14:06	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	12/21/06 14:06	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/21/06 14:06	ARH	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	12/21/06 14:06	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/21/06 14:06	ARH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	12/21/06 14:06	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/21/06 14:06	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/21/06 14:06	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/21/06 14:06	ARH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	12/21/06 14:06	ARH	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	12/21/06 14:06	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/21/06 14:06	ARH	91-57-6	

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Supplemental Report

Lab Sample ID: S29884.07
Sample Tag: SS2-08
Collected Date/Time: 12/06/2006 11:10
Matrix: Soil
COC Reference: 038912

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	12/07/06 23:07	EMR		
Lead, Coarse Digestion	Completed			3050B	12/15/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/13/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/15/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/13/06 13:30	JRT		
Metal Digestion	Completed			3050B	12/13/06 12:00	SLS		
Inorganics								
Total Solids	78	%	1	160.3	12/13/06 10:30	JRT		
Metals								
% Coarse by Weight	96.1	%			12/13/06 10:30	JRT		
% Fine by Weight	3.9	%			12/13/06 10:30	JRT		
Arsenic	1.14	mg/kg	0.10	6020	12/14/06 16:07	SLS	7440-38-2	
Barium	42.6	mg/kg	1.0	6020	12/14/06 16:07	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	12/14/06 16:07	SLS	7440-43-9	
Chromium	3.1	mg/kg	2.0	6020	12/14/06 16:07	SLS	7440-47-3	
Copper	4.9	mg/kg	1.0	6020	12/14/06 16:07	SLS	7440-50-8	
Lead, Coarse	11.8	mg/kg	1.0	6020	12/15/06 13:08	PER		
Lead, Fine	22.6	mg/kg	1.0	6020	12/15/06 13:33	PER		
Lead, Total Calculated	12.2	mg/kg	1.0	6020	12/15/06 14:30	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471A	12/13/06 15:45	JRT	7439-97-6	
Selenium	0.31	mg/kg	0.20	6020	12/14/06 16:07	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	12/14/06 16:07	SLS	7440-22-4	
Zinc	15.9	mg/kg	1.0	6020	12/14/06 16:07	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/13/06 16:34	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/13/06 16:34	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/13/06 16:34	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/13/06 16:34	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	12/13/06 16:34	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	12/13/06 16:34	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	12/13/06 16:34	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/13/06 16:34	ARH	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	12/13/06 16:34	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/13/06 16:34	ARH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	12/13/06 16:34	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/13/06 16:34	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/13/06 16:34	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/13/06 16:34	ARH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	12/13/06 16:34	ARH	85-01-8	

Lab Sample ID: S29884.07 (continued)
Sample Tag: SS2-08

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	Not detected	ug/kg	300	8270C	12/13/06 16:34	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/13/06 16:34	ARH	91-57-6	

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Supplemental Report

Lab Sample ID: S29884.08
Sample Tag: SB2-17-05
Collected Date/Time: 12/06/2006 11:20
Matrix: Soil
COC Reference: 038912

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				12/07/06 15:30	BJR		

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Supplemental Report

Lab Sample ID: S29884.09
Sample Tag: SS2-09
Collected Date/Time: 12/06/2006 11:40
Matrix: Soil
COC Reference: 038912

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	12/07/06 23:07	EMR		
Lead, Coarse Digestion	Completed			3050B	12/15/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/13/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/15/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/13/06 13:30	JRT		
Metal Digestion	Completed			3050B	12/13/06 12:00	SLS		
Inorganics								
Total Solids	86	%	1	160.3	12/13/06 10:30	JRT		
Metals								
% Coarse by Weight	93.5	%			12/13/06 10:30	JRT		
% Fine by Weight	6.5	%			12/13/06 10:30	JRT		
Arsenic	0.59	mg/kg	0.10	6020	12/14/06 16:10	SLS	7440-38-2	
Barium	73.7	mg/kg	1.0	6020	12/14/06 16:10	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	12/14/06 16:10	SLS	7440-43-9	
Chromium	3.8	mg/kg	2.0	6020	12/14/06 16:10	SLS	7440-47-3	
Copper	4.5	mg/kg	1.0	6020	12/14/06 16:10	SLS	7440-50-8	
Lead, Coarse	10.8	mg/kg	1.0	6020	12/15/06 13:10	PER		
Lead, Fine	24.2	mg/kg	1.0	6020	12/15/06 13:34	PER		
Lead, Total Calculated	11.6	mg/kg	1.0	6020	12/15/06 14:30	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471A	12/13/06 15:47	JRT	7439-97-6	
Selenium	0.39	mg/kg	0.20	6020	12/14/06 16:10	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	12/14/06 16:10	SLS	7440-22-4	
Zinc	13.1	mg/kg	1.0	6020	12/14/06 16:10	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/13/06 16:57	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/13/06 16:57	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/13/06 16:57	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/13/06 16:57	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	12/13/06 16:57	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	12/13/06 16:57	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	12/13/06 16:57	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/13/06 16:57	ARH	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	12/13/06 16:57	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/13/06 16:57	ARH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	12/13/06 16:57	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/13/06 16:57	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/13/06 16:57	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/13/06 16:57	ARH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	12/13/06 16:57	ARH	85-01-8	

Lab Sample ID: S29884.09 (continued)
Sample Tag: SS2-09

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	Not detected	ug/kg	300	8270C	12/13/06 16:57	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/13/06 16:57	ARH	91-57-6	

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Supplemental Report

Lab Sample ID: S29884.10
Sample Tag: SB2-18-05
Collected Date/Time: 12/06/2006 11:55
Matrix: Soil
COC Reference: 038912

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				12/07/06 15:30	BJR		

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Supplemental Report

Lab Sample ID: S29884.11
Sample Tag: SS2-10
Collected Date/Time: 12/06/2006 12:10
Matrix: Soil
COC Reference: 038912

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	12/07/06 23:07	EMR		
Lead, Coarse Digestion	Completed			3050B	12/15/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/13/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/15/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/13/06 13:30	JRT		
Metal Digestion	Completed			3050B	12/13/06 12:00	SLS		
Inorganics								
Total Solids	81	%	1	160.3	12/13/06 10:30	JRT		
Metals								
% Coarse by Weight	94.4	%			12/13/06 10:30	JRT		
% Fine by Weight	5.6	%			12/13/06 10:30	JRT		
Arsenic	3.20	mg/kg	0.10	6020	12/14/06 16:13	SLS	7440-38-2	
Barium	67.4	mg/kg	1.0	6020	12/14/06 16:13	SLS	7440-39-3	
Cadmium	2.40	mg/kg	0.20	6020	12/14/06 16:13	SLS	7440-43-9	
Chromium	34.6	mg/kg	2.0	6020	12/14/06 16:13	SLS	7440-47-3	
Copper	52.6	mg/kg	1.0	6020	12/14/06 16:13	SLS	7440-50-8	
Lead, Coarse	255	mg/kg	1.0	6020	12/15/06 13:11	PER		
Lead, Fine	224	mg/kg	1.0	6020	12/15/06 13:35	PER		
Lead, Total Calculated	253	mg/kg	1.0	6020	12/15/06 14:30	PER	7439-92-1C	
Mercury	0.087	mg/kg	0.050	7471A	12/13/06 15:49	JRT	7439-97-6	
Selenium	0.48	mg/kg	0.20	6020	12/14/06 16:13	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	12/14/06 16:13	SLS	7440-22-4	
Zinc	321	mg/kg	1.0	6020	12/14/06 16:13	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/13/06 21:53	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/13/06 21:53	ARH	208-96-8	
Anthracene	300	ug/kg	300	8270C	12/13/06 21:53	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/13/06 21:53	ARH	56-55-3	
Benzo(a)pyrene	1,000	ug/kg	300	8270C	12/13/06 21:53	ARH	50-32-8	
Benzo(b)fluoranthene	1,300	ug/kg	300	8270C	12/13/06 21:53	ARH	205-99-2	
Benzo(k)fluoranthene	900	ug/kg	300	8270C	12/13/06 21:53	ARH	207-08-9	
Benzo(ghi)perylene	400	ug/kg	300	8270C	12/13/06 21:53	ARH	191-24-2	
Chrysene	1,000	ug/kg	300	8270C	12/13/06 21:53	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/13/06 21:53	ARH	53-70-3	
Fluoranthene	1,900	ug/kg	300	8270C	12/13/06 21:53	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/13/06 21:53	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	400	ug/kg	300	8270C	12/13/06 21:53	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/13/06 21:53	ARH	91-20-3	
Phenanthrene	1,000	ug/kg	300	8270C	12/13/06 21:53	ARH	85-01-8	

Lab Sample ID: S29884.11 (continued)
Sample Tag: SS2-10

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	1,600	ug/kg	300	8270C	12/13/06 21:53	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/13/06 21:53	ARH	91-57-6	

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Supplemental Report

Lab Sample ID: S29884.12
Sample Tag: SB2-19-05
Collected Date/Time: 12/06/2006 12:20
Matrix: Soil
COC Reference: 038912

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				12/07/06 15:30	BJR		

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Supplemental Report

Lab Sample ID: S29884.13
Sample Tag: SB2-20-01
Collected Date/Time: 12/06/2006 12:30
Matrix: Soil
COC Reference: 038910

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	12/07/06 23:07	EMR		
Lead, Coarse Digestion	Completed			3050B	12/15/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/13/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/15/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/13/06 13:30	JRT		
Metal Digestion	Completed			3050B	12/13/06 12:00	SLS		
Inorganics								
Total Solids	94	%	1	160.3	12/13/06 10:30	JRT		
Metals								
% Coarse by Weight	90.2	%			12/13/06 10:30	JRT		
% Fine by Weight	9.8	%			12/13/06 10:30	JRT		
Arsenic	2.78	mg/kg	0.10	6020	12/14/06 16:33	SLS	7440-38-2	
Barium	12.6	mg/kg	1.0	6020	12/14/06 16:33	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	12/14/06 16:33	SLS	7440-43-9	
Chromium	3.0	mg/kg	2.0	6020	12/14/06 16:33	SLS	7440-47-3	
Copper	7.0	mg/kg	1.0	6020	12/14/06 16:33	SLS	7440-50-8	
Lead, Coarse	8.1	mg/kg	1.0	6020	12/15/06 13:12	PER		
Lead, Fine	39.2	mg/kg	1.0	6020	12/15/06 13:36	PER		
Lead, Total Calculated	11.1	mg/kg	1.0	6020	12/15/06 14:30	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471A	12/13/06 15:51	JRT	7439-97-6	
Selenium	0.51	mg/kg	0.20	6020	12/14/06 16:33	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	12/14/06 16:33	SLS	7440-22-4	
Zinc	21.1	mg/kg	1.0	6020	12/14/06 16:33	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/13/06 17:20	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/13/06 17:20	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/13/06 17:20	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/13/06 17:20	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	12/13/06 17:20	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	12/13/06 17:20	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	12/13/06 17:20	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/13/06 17:20	ARH	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	12/13/06 17:20	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/13/06 17:20	ARH	53-70-3	
Fluoranthene	400	ug/kg	300	8270C	12/13/06 17:20	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/13/06 17:20	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/13/06 17:20	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/13/06 17:20	ARH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	12/13/06 17:20	ARH	85-01-8	

Lab Sample ID: S29884.13 (continued)
Sample Tag: SB2-20-01

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	400	ug/kg	300	8270C	12/13/06 17:20	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/13/06 17:20	ARH	91-57-6	

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29884.14
Sample Tag: SB2-20-05
Collected Date/Time: 12/06/2006 12:40
Matrix: Soil
COC Reference: 038912

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				12/07/06 15:30	BJR		

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29884.15
Sample Tag: SS2-11
Collected Date/Time: 12/06/2006 12:50
Matrix: Soil
COC Reference: 038910

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	12/07/06 23:07	EMR		
Lead, Coarse Digestion	Completed			3050B	12/15/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/13/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/15/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/13/06 13:30	JRT		
Metal Digestion	Completed			3050B	12/13/06 12:00	SLS		
Inorganics								
Total Solids	80	%	1	160.3	12/13/06 10:30	JRT		
Metals								
% Coarse by Weight	83.8	%			12/13/06 10:30	JRT		
% Fine by Weight	16.2	%			12/13/06 10:30	JRT		
Arsenic	2.75	mg/kg	0.10	6020	12/14/06 16:36	SLS	7440-38-2	
Barium	79.4	mg/kg	1.0	6020	12/14/06 16:36	SLS	7440-39-3	
Cadmium	0.99	mg/kg	0.20	6020	12/14/06 16:36	SLS	7440-43-9	
Chromium	79.4	mg/kg	2.0	6020	12/14/06 16:36	SLS	7440-47-3	
Copper	49.6	mg/kg	1.0	6020	12/14/06 16:36	SLS	7440-50-8	
Lead, Coarse	75.9	mg/kg	1.0	6020	12/15/06 13:13	PER		
Lead, Fine	186	mg/kg	1.0	6020	12/15/06 13:37	PER		
Lead, Total Calculated	93.7	mg/kg	1.0	6020	12/15/06 14:30	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471A	12/13/06 15:52	JRT	7439-97-6	
Selenium	0.37	mg/kg	0.20	6020	12/14/06 16:36	SLS	7782-49-2	
Silver	0.64	mg/kg	0.10	6020	12/14/06 16:36	SLS	7440-22-4	
Zinc	89.3	mg/kg	1.0	6020	12/14/06 16:36	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/13/06 17:43	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/13/06 17:43	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/13/06 17:43	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/13/06 17:43	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	12/13/06 17:43	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	12/13/06 17:43	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	12/13/06 17:43	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/13/06 17:43	ARH	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	12/13/06 17:43	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/13/06 17:43	ARH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	12/13/06 17:43	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/13/06 17:43	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/13/06 17:43	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/13/06 17:43	ARH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	12/13/06 17:43	ARH	85-01-8	

Lab Sample ID: S29884.15 (continued)
Sample Tag: SS2-11

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	Not detected	ug/kg	300	8270C	12/13/06 17:43	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/13/06 17:43	ARH	91-57-6	

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29884.16
Sample Tag: SB2-21-05
Collected Date/Time: 12/06/2006 13:00
Matrix: Soil
COC Reference: 038910

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				12/07/06 15:30	BJR		

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29884.17
Sample Tag: SS2-12
Collected Date/Time: 12/06/2006 13:15
Matrix: Soil
COC Reference: 038910

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	12/07/06 23:07	EMR		
Lead, Coarse Digestion	Completed			3050B	12/15/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/13/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/15/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/13/06 13:30	JRT		
Metal Digestion	Completed			3050B	12/13/06 12:00	SLS		
Inorganics								
Total Solids	87	%	1	160.3	12/13/06 10:30	JRT		
Metals								
% Coarse by Weight	95.6	%			12/13/06 10:30	JRT		
% Fine by Weight	4.4	%			12/13/06 10:30	JRT		
Arsenic	1.35	mg/kg	0.10	6020	12/14/06 16:16	SLS	7440-38-2	
Barium	38.1	mg/kg	1.0	6020	12/14/06 16:16	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	12/14/06 16:16	SLS	7440-43-9	
Chromium	3.9	mg/kg	2.0	6020	12/14/06 16:16	SLS	7440-47-3	
Copper	3.5	mg/kg	1.0	6020	12/14/06 16:16	SLS	7440-50-8	
Lead, Coarse	5.7	mg/kg	1.0	6020	12/15/06 13:14	PER		
Lead, Fine	25.5	mg/kg	1.0	6020	12/15/06 13:38	PER		
Lead, Total Calculated	6.57	mg/kg	1.0	6020	12/15/06 14:30	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471A	12/13/06 15:54	JRT	7439-97-6	
Selenium	0.54	mg/kg	0.20	6020	12/14/06 16:16	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	12/14/06 16:16	SLS	7440-22-4	
Zinc	11.1	mg/kg	1.0	6020	12/14/06 16:16	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/13/06 18:05	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/13/06 18:05	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/13/06 18:05	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/13/06 18:05	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	12/13/06 18:05	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	12/13/06 18:05	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	12/13/06 18:05	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/13/06 18:05	ARH	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	12/13/06 18:05	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/13/06 18:05	ARH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	12/13/06 18:05	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/13/06 18:05	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/13/06 18:05	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/13/06 18:05	ARH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	12/13/06 18:05	ARH	85-01-8	

Lab Sample ID: S29884.17 (continued)
Sample Tag: SS2-12

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	Not detected	ug/kg	300	8270C	12/13/06 18:05	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/13/06 18:05	ARH	91-57-6	

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Supplemental Report

Lab Sample ID: S29884.18
Sample Tag: SB2-22-05
Collected Date/Time: 12/06/2006 13:30
Matrix: Soil
COC Reference: 038910

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				12/07/06 15:30	BJR		

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29884.19
Sample Tag: SS2-13
Collected Date/Time: 12/06/2006 13:50
Matrix: Soil
COC Reference: 038910

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	12/07/06 23:07	EMR		
Lead, Coarse Digestion	Completed			3050B	12/15/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/13/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/15/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/13/06 13:30	JRT		
Metal Digestion	Completed			3050B	12/13/06 12:00	SLS		
Inorganics								
Total Solids	85	%	1	160.3	12/13/06 10:30	JRT		
Metals								
% Coarse by Weight	94.7	%			12/13/06 10:30	JRT		
% Fine by Weight	5.3	%			12/13/06 10:30	JRT		
Arsenic	2.68	mg/kg	0.10	6020	12/14/06 16:39	SLS	7440-38-2	
Barium	89.7	mg/kg	1.0	6020	12/14/06 16:39	SLS	7440-39-3	
Cadmium	0.34	mg/kg	0.20	6020	12/14/06 16:39	SLS	7440-43-9	
Chromium	17.4	mg/kg	2.0	6020	12/14/06 16:39	SLS	7440-47-3	
Copper	19.8	mg/kg	1.0	6020	12/14/06 16:39	SLS	7440-50-8	
Lead, Coarse	20.2	mg/kg	1.0	6020	12/15/06 13:17	PER		
Lead, Fine	47.1	mg/kg	1.0	6020	12/15/06 13:42	PER		
Lead, Total Calculated	21.6	mg/kg	1.0	6020	12/15/06 14:30	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471A	12/13/06 16:08	JRT	7439-97-6	
Selenium	0.78	mg/kg	0.20	6020	12/14/06 16:39	SLS	7782-49-2	
Silver	0.16	mg/kg	0.10	6020	12/14/06 16:39	SLS	7440-22-4	
Zinc	58.0	mg/kg	1.0	6020	12/14/06 16:39	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/13/06 18:28	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/13/06 18:28	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/13/06 18:28	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/13/06 18:28	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	12/13/06 18:28	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	12/13/06 18:28	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	12/13/06 18:28	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/13/06 18:28	ARH	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	12/13/06 18:28	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/13/06 18:28	ARH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	12/13/06 18:28	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/13/06 18:28	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/13/06 18:28	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/13/06 18:28	ARH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	12/13/06 18:28	ARH	85-01-8	

Lab Sample ID: S29884.19 (continued)
Sample Tag: SS2-13

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	Not detected	ug/kg	300	8270C	12/13/06 18:28	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/13/06 18:28	ARH	91-57-6	

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Supplemental Report

Lab Sample ID: S29884.20
Sample Tag: SB2-23-05
Collected Date/Time: 12/06/2006 14:00
Matrix: Soil
COC Reference: 038910

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				12/07/06 15:30	BJR		

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29884.27
Sample Tag: EB-05
Collected Date/Time: 12/06/2006 16:00
Matrix: Water
COC Reference: 038999

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Amber	None	Yes	4.4	IR
1	125ml Plastic	HNO3	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Mercury Digestion	Completed			7470A	12/08/06 17:30	JRT		
Metal Digestion	Completed			3015A	12/14/06 12:00	SLS		
PNA Extraction	Completed			3510C	12/12/06 22:05	EMR		
Metals								
Arsenic, Dissolved	Not detected	mg/L	0.001	200.8	12/14/06 14:17	SLS	7440-38-2	
Barium, Dissolved	Not detected	mg/L	0.01	200.8	12/14/06 14:17	SLS	7440-39-3	
Cadmium, Dissolved	Not detected	mg/L	0.0005	200.8	12/14/06 14:17	SLS	7440-43-9	
Chromium, Dissolved	Not detected	mg/L	0.005	200.8	12/14/06 14:17	SLS	7440-47-3	
Copper, Dissolved	Not detected	mg/L	0.004	200.8	12/14/06 14:17	SLS	7440-50-8	
Lead, Dissolved	Not detected	mg/L	0.003	200.8	12/14/06 14:17	SLS	7439-92-1	
Mercury, Dissolved	Not detected	mg/L	0.0002	245.1M	12/08/06 20:14	JRT	7439-97-6	
Selenium, Dissolved	Not detected	mg/L	0.005	200.8	12/14/06 14:17	SLS	7782-49-2	
Silver, Dissolved	Not detected	mg/L	0.0002	200.8	12/14/06 14:17	SLS	7440-22-4	
Zinc, Dissolved	Not detected	mg/L	0.005	200.8	12/14/06 14:17	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatic Hydrocarbon								
Acenaphthene	Not detected	ug/L	5	8270C	12/13/06 15:49	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	5	8270C	12/13/06 15:49	ARH	208-96-8	
Anthracene	Not detected	ug/L	5	8270C	12/13/06 15:49	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	5	8270C	12/13/06 15:49	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	5	8270C	12/13/06 15:49	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	5	8270C	12/13/06 15:49	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	5	8270C	12/13/06 15:49	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	5	8270C	12/13/06 15:49	ARH	191-24-2	
Chrysene	Not detected	ug/L	5	8270C	12/13/06 15:49	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	5	8270C	12/13/06 15:49	ARH	53-70-3	
Fluoranthene	Not detected	ug/L	5	8270C	12/13/06 15:49	ARH	206-44-0	
Fluorene	Not detected	ug/L	5	8270C	12/13/06 15:49	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	5	8270C	12/13/06 15:49	ARH	193-39-5	
Naphthalene	Not detected	ug/L	5	8270C	12/13/06 15:49	ARH	91-20-3	
Phenanthrene	Not detected	ug/L	5	8270C	12/13/06 15:49	ARH	85-01-8	
Pyrene	Not detected	ug/L	5	8270C	12/13/06 15:49	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	8270C	12/13/06 15:49	ARH	91-57-6	

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038912

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME	CLIFF YANTZ
COMPANY	OBRIEN & GERE
ADDRESS	33469 W. 14 MILE RD STE 150
CITY	FARMINGTON HILLS
STATE	MI
ZIP CODE	48331
PHONE NO.	248 661 3745
FAX NO.	248 661 4057
P.O. NO.	29923
E-MAIL ADDRESS	
QUOTE NO.	

INVOICE TO

CONTACT NAME	☑ SAME
COMPANY	
ADDRESS	
CITY	STATE / ZIP CODE
PHONE NO.	FAX NO. / P.O. NO.

PROJECT NO./NAME	GM MFD GRAND BLANC
SAMPLER(S) - PLEASE PRINT/SIGN NAME	MIKE ROBISON
TURNAROUND TIME REQUIRED	☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ STANDARD ☐ OTHER
DELIVERABLES REQUIRED	☐ STANDARD ☑ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES

* FINE & COARSE FRACTION LEAD ANALYSIS FOR SAMPLES

MERIT LAB NO.	2006 YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	+ Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	NH_4OH	OTHER	VOCs	10 METALS	SPECIAL INSTRUCTIONS/NOTES
29884.01	12/6	0900	SS2-05	S	1	1							X	X	0-6"
.02		0915	SB2-14-05	S	1	1									4'-5' HOLD
.03		1000	SS2-06	S	1	1							X	X	0-6"
.04		1015	SB2-15-05	S	1	1									4'-5' HOLD
.05		1040	SS2-07	S	1	1							X	X	0-6"
.06		1050	SB2-16-05	S	1	1									4'-5' HOLD
.07		1110	SS2-08	S	1	1							X	X	0-6"
.08		1120	SB2-17-05	S	1	1									4'-5' HOLD
.09		1140	SS2-09	S	1	1							X	X	0-6"
.10		1155	SB2-18-05	S	1	1									4'-5' HOLD
.11		1210	SS2-10	S	1	1							X	X	0-6"
.12		1220	SB2-19-05	S	1	1									4'-5' HOLD

RELINQUISHED BY: SIGNATURE/ORGANIZATION	OBG	DATE 12/7/06	TIME 10:00	RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE 12-7-06 TIME 1435
RECEIVED BY: SIGNATURE/ORGANIZATION	Merit	DATE 12-7-06	TIME 1435	RECEIVED BY: SIGNATURE/ORGANIZATION Barbara Richardson	DATE 12-7-06 TIME 14:36
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME	SEAL NO. / SEAL INTACT YES ☐ NO ☐ / INITIALS	NOTES: TEMP. ON ARRIVAL 4.4
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME	SEAL NO. / SEAL INTACT YES ☐ NO ☐ / INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 2 OF 3

038910

CHAIN OF CUSTODY RECORD

REPORT TO				INVOICE TO			
CONTACT NAME				CONTACT NAME	SAME		
COMPANY	OBRIEN & GERE			COMPANY			
ADDRESS	SAME AS PAGE 1			ADDRESS			
CITY		STATE	ZIP CODE	CITY		STATE	ZIP CODE
PHONE NO.	FAX NO.	P.O. NO.		PHONE NO.	FAX NO.	P.O. NO.	
E-MAIL ADDRESS		QUOTE NO.					

PROJECT NO./NAME: GM MFD GRAND BLANC
SAMPLER(S) - PLEASE PRINT/SIGN NAME: MIKE ROBSON

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES: * FINE & COARSE FRACTION LEAD ANALYSIS FOR SAMPLES

MERIT LAB NO.	2006 YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF CONTAINERS	NONE	HCL	HNO_3	H_2SO_4	NaOH	OTHER	VOCs	10 METALS	
29884.13	12/6	1230	SB2-20-01	S	1	1						X	X	6"-12"
.14		1240	SB2-20-05	S	1	1								4'-5' HOLD
.15		1250	SS2-11	S	1	1						X	X	0-6"
.16		1300	SB2-21-05	S	1	1								4'-5' HOLD
.17		1315	SS2-12	S	1	1						X	X	0-6"
.18		1330	SB2-22-05	S	1	1								4'-5' HOLD
.19		1350	SS2-13	S	1	1						X	X	0-6"
.20		1400	SB2-23-05	S	1	1								4'-5' HOLD
.21		1420	SS4-02	S	1	1						X	X	6"-12"
.22		1430	SB4-28-05	S	1	1								4'-5' HOLD
.23		1500	SS4-03	S	1	1						X	X	0-6"
.24		1520	SS4-04	S	1	1						X	X	6"-12"

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
OBG	12/7/06	10:00
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Merit	12-7-06	1430

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Merit	12-7-06	1430
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Barbara Richardson	12-7-06	14:30

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

NOTES: TEMP. ON ARRIVAL 4.4

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C.O.C. PAGE # 3 OF 3

038999

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: OBRIEN + GOSS

COMPANY:

ADDRESS: SAME AS PAGE 1

CITY | STATE | ZIP CODE

PHONE NO. | FAX NO. | P.O. NO.

E-MAIL ADDRESS | QUOTE NO.

INVOICE TO

CONTACT NAME | ☐ SAME

COMPANY

ADDRESS

CITY | STATE | ZIP CODE

PHONE NO. | FAX NO. | P.O. NO.

PROJECT NO./NAME: GM MFD GRAND BLANC

SAMPLER(S) - PLEASE PRINT/SIGN NAME: MIKE ROSLOW

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☑ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES

* FINE & COARSE FRACTION LEAD ANALYSIS FOR SAMPLES

MERIT LAB NO.	YEAR 2006 DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF CONTAINERS	Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	10 METALS*	SPECIAL INSTRUCTIONS/NOTES
29884.25	12/6	—	DUP-06	S	1								X	X	—
.26	↓	1550	SS4-05	S	1										0-6"
.27	↓	1600	FB-05	L	1			1					X	X	—

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME	RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
OBG	12/6/06	10:00	Merit	12-7-06	1430
Merit	12-7-06	1430	Barbara Richardson	12-7-06	14:30

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 4.4
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S29928.01(01)
Generated on 12/18/2006

Report to

Attention: Mr. Clifford Yantz
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057

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): S29928.01-S29928.33
Project: GM MFD Grand Blanc
Collected Date: 12/07/2006 - 12/08/2006
Submitted Date/Time: 12/08/2006 16:15
Sampled by: Mike Robison
P.O. #: 10610474EST

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.

Violetta F. Murshak
Laboratory Director

Merit Laboratories, Inc.

Analytical Laboratory Report

Sample Summary (33 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S29928.01	SS3-01	Soil	12/07/2006 09:15
S29928.02	SS3-01 MS	Soil	12/07/2006 09:15
S29928.03	SS3-01 MSD	Soil	12/07/2006 09:15
S29928.04	SS5-01	Soil	12/07/2006 09:30
S29928.05	Dup-07	Soil	12/07/2006
S29928.06	SS5-02	Soil	12/07/2006 09:50
S29928.07	SS5-03	Soil	12/07/2006 10:00
S29928.08	SS4-06	Soil	12/07/2006 10:15
S29928.09	SS4-07	Soil	12/07/2006 10:25
S29928.10	SS4-08	Soil	12/07/2006 10:40
S29928.11	SS2-14	Soil	12/07/2006 11:00
S29928.12	SS2-15	Soil	12/07/2006 11:10
S29928.13	SS2-16	Soil	12/07/2006 11:15
S29928.14	SS2-17	Soil	12/07/2006 11:25
S29928.15	SS2-18	Soil	12/07/2006 11:45
S29928.16	SS2-19	Soil	12/07/2006 12:00
S29928.17	Dup-08	Soil	12/07/2006
S29928.18	SS3-02	Soil	12/07/2006 12:20
S29928.19	SS3-03	Soil	12/07/2006 12:45
S29928.20	MW4-04	Groundwater	12/07/2006 14:30
S29928.21	MW2-03	Groundwater	12/07/2006 15:30
S29928.22	MW2-01	Groundwater	12/07/2006 16:30
S29928.23	MW2-02	Groundwater	12/08/2006 08:15
S29928.24	MW2-02 MS	Groundwater	12/08/2006 08:15
S29928.25	MW2-02 MSD	Groundwater	12/08/2006 08:15
S29928.26	MW4-03	Groundwater	12/08/2006 09:30
S29928.27	Dup-01	Groundwater	12/08/2006
S29928.28	MW4-01	Groundwater	12/08/2006 10:30
S29928.29	MW3-02	Groundwater	12/08/2006 11:30
S29928.30	MW4-02	Groundwater	12/08/2006 12:30
S29928.31	MW3-01	Groundwater	12/08/2006 13:30
S29928.32	MW3-03	Groundwater	12/08/2006 14:30
S29928.33	MW1-01	Groundwater	12/08/2006 15:30

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LFR
Aug 07, 2009 19:38

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Analytical Laboratory Report

Lab Sample ID: S29928.11
Sample Tag: SS2-14
Collected Date/Time: 12/07/2006 11:00
Matrix: Soil
COC Reference: 035105

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/18/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/13/06 10:30	SLS		
Lead, Fine Digestion	Completed			3050B	12/18/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/15/06 12:00	JRT		
Metal Digestion	Completed			3050B	12/14/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/12/06 22:06	EMR		
Inorganics								
Total Solids	80	%	1	160.3	12/13/06 10:30	JRT		
Metals								
% Coarse by Weight	65.4	%			12/13/06 10:30	JRT		
% Fine by Weight	34.6	%			12/13/06 10:30	JRT		
Arsenic	13.5	mg/kg	0.10	6020	12/18/06 14:00	SLS	7440-38-2	
Barium	93.2	mg/kg	1.0	6020	12/18/06 14:00	SLS	7440-39-3	
Cadmium	1.26	mg/kg	0.20	6020	12/18/06 14:00	SLS	7440-43-9	
Chromium	24.5	mg/kg	2.0	6020	12/18/06 14:00	SLS	7440-47-3	
Copper	91.2	mg/kg	1.0	6020	12/18/06 14:00	SLS	7440-50-8	
Lead, Coarse	892	mg/kg	1.0	6020	12/18/06 12:25	PER		
Lead, Fine	1,280	mg/kg	1.0	6020	12/18/06 12:59	PER		
Lead, Total Calculated	1,020	mg/kg	1.0	6020	12/18/06 13:30	PER	7439-92-1C	
Mercury	0.380	mg/kg	0.050	7471A	12/18/06 15:21	JRT	7439-97-6	
Selenium	0.48	mg/kg	0.20	6020	12/18/06 14:00	SLS	7782-49-2	
Silver	0.31	mg/kg	0.10	6020	12/18/06 14:00	SLS	7440-22-4	
Zinc	156	mg/kg	1.0	6020	12/18/06 14:00	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/14/06 17:46	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/14/06 17:46	ARH	208-96-8	
Anthracene	500	ug/kg	300	8270C	12/14/06 17:46	ARH	120-12-7	
Benzo(a)anthracene	1,500	ug/kg	300	8270C	12/14/06 17:46	ARH	56-55-3	
Benzo(a)pyrene	2,300	ug/kg	300	8270C	12/14/06 17:46	ARH	50-32-8	
Benzo(b)fluoranthene	2,100	ug/kg	300	8270C	12/14/06 17:46	ARH	205-99-2	
Benzo(k)fluoranthene	1,900	ug/kg	300	8270C	12/14/06 17:46	ARH	207-08-9	
Benzo(ghi)perylene	1,200	ug/kg	300	8270C	12/14/06 17:46	ARH	191-24-2	
Chrysene	2,000	ug/kg	300	8270C	12/14/06 17:46	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/14/06 17:46	ARH	53-70-3	
Fluoranthene	3,900	ug/kg	300	8270C	12/14/06 17:46	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/14/06 17:46	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	1,200	ug/kg	300	8270C	12/14/06 17:46	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/14/06 17:46	ARH	91-20-3	
Phenanthrene	1,800	ug/kg	300	8270C	12/14/06 17:46	ARH	85-01-8	

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Analytical Laboratory Report

Lab Sample ID: S29928.11 (continued)
Sample Tag: SS2-14

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	3,400	ug/kg	300	8270C	12/14/06 17:46	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/14/06 17:46	ARH	91-57-6	

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LFR
Aug 07, 2009 19:38

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Analytical Laboratory Report

Lab Sample ID: S29928.12
Sample Tag: SS2-15
Collected Date/Time: 12/07/2006 11:10
Matrix: Soil
COC Reference: 035105

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/18/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/13/06 10:30	SLS		
Lead, Fine Digestion	Completed			3050B	12/18/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/15/06 12:00	JRT		
Metal Digestion	Completed			3050B	12/14/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/12/06 22:06	EMR		
Inorganics								
Total Solids	87	%	1	160.3	12/13/06 10:30	JRT		
Metals								
% Coarse by Weight	88.8	%			12/13/06 10:30	JRT		
% Fine by Weight	11.2	%			12/13/06 10:30	JRT		
Arsenic	3.13	mg/kg	0.10	6020	12/18/06 13:13	SLS	7440-38-2	
Barium	66.0	mg/kg	1.0	6020	12/18/06 13:13	SLS	7440-39-3	
Cadmium	0.74	mg/kg	0.20	6020	12/18/06 13:13	SLS	7440-43-9	
Chromium	13.4	mg/kg	2.0	6020	12/18/06 13:13	SLS	7440-47-3	
Copper	27.4	mg/kg	1.0	6020	12/18/06 13:13	SLS	7440-50-8	
Lead, Coarse	83.0	mg/kg	1.0	6020	12/18/06 12:26	PER		
Lead, Fine	154	mg/kg	1.0	6020	12/18/06 13:01	PER		
Lead, Total Calculated	90.9	mg/kg	1.0	6020	12/18/06 13:30	PER	7439-92-1C	
Mercury	0.073	mg/kg	0.050	7471A	12/18/06 15:24	JRT	7439-97-6	
Selenium	0.56	mg/kg	0.20	6020	12/18/06 13:13	SLS	7782-49-2	
Silver	0.21	mg/kg	0.10	6020	12/18/06 13:13	SLS	7440-22-4	
Zinc	100	mg/kg	1.0	6020	12/18/06 13:13	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	400	ug/kg	300	8270C	12/14/06 18:09	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/14/06 18:09	ARH	208-96-8	
Anthracene	1,000	ug/kg	300	8270C	12/14/06 18:09	ARH	120-12-7	
Benzo(a)anthracene	2,100	ug/kg	300	8270C	12/14/06 18:09	ARH	56-55-3	
Benzo(a)pyrene	3,000	ug/kg	300	8270C	12/14/06 18:09	ARH	50-32-8	
Benzo(b)fluoranthene	3,200	ug/kg	300	8270C	12/14/06 18:09	ARH	205-99-2	
Benzo(k)fluoranthene	2,700	ug/kg	300	8270C	12/14/06 18:09	ARH	207-08-9	
Benzo(ghi)perylene	1,200	ug/kg	300	8270C	12/14/06 18:09	ARH	191-24-2	
Chrysene	3,000	ug/kg	300	8270C	12/14/06 18:09	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/14/06 18:09	ARH	53-70-3	
Fluoranthene	8,000	ug/kg	300	8270C	12/14/06 18:09	ARH	206-44-0	
Fluorene	400	ug/kg	300	8270C	12/14/06 18:09	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	1,400	ug/kg	300	8270C	12/14/06 18:09	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/14/06 18:09	ARH	91-20-3	
Phenanthrene	4,700	ug/kg	300	8270C	12/14/06 18:09	ARH	85-01-8	

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Analytical Laboratory Report

Lab Sample ID: S29928.12 (continued)
Sample Tag: SS2-15

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	6,000	ug/kg	300	8270C	12/14/06 18:09	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/14/06 18:09	ARH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S29928.13
Sample Tag: SS2-16
Collected Date/Time: 12/07/2006 11:15
Matrix: Soil
COC Reference: 035105

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/18/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/13/06 10:30	SLS		
Lead, Fine Digestion	Completed			3050B	12/18/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/15/06 12:00	JRT		
Metal Digestion	Completed			3050B	12/14/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/12/06 22:06	EMR		
Inorganics								
Total Solids	69	%	1	160.3	12/13/06 10:30	JRT		
Metals								
% Coarse by Weight	74.2	%			12/13/06 10:30	JRT		
% Fine by Weight	25.8	%			12/13/06 10:30	JRT		
Arsenic	5.62	mg/kg	0.10	6020	12/18/06 13:17	SLS	7440-38-2	
Barium	62.1	mg/kg	1.0	6020	12/18/06 13:17	SLS	7440-39-3	
Cadmium	3.50	mg/kg	0.20	6020	12/18/06 13:17	SLS	7440-43-9	
Chromium	49.1	mg/kg	2.0	6020	12/18/06 13:17	SLS	7440-47-3	
Copper	76.6	mg/kg	1.0	6020	12/18/06 13:17	SLS	7440-50-8	
Lead, Coarse	227	mg/kg	1.0	6020	12/18/06 12:27	PER		
Lead, Fine	238	mg/kg	1.0	6020	12/18/06 13:02	PER		
Lead, Total Calculated	229	mg/kg	1.0	6020	12/18/06 13:30	PER	7439-92-1C	
Mercury	0.289	mg/kg	0.050	7471A	12/18/06 15:26	JRT	7439-97-6	
Selenium	0.83	mg/kg	0.20	6020	12/18/06 13:17	SLS	7782-49-2	
Silver	0.17	mg/kg	0.10	6020	12/18/06 13:17	SLS	7440-22-4	
Zinc	755	mg/kg	1.0	6020	12/18/06 13:17	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/14/06 18:32	ARH	83-32-9	
Acenaphthylene	600	ug/kg	300	8270C	12/14/06 18:32	ARH	208-96-8	
Anthracene	600	ug/kg	300	8270C	12/14/06 18:32	ARH	120-12-7	
Benzo(a)anthracene	2,100	ug/kg	300	8270C	12/14/06 18:32	ARH	56-55-3	
Benzo(a)pyrene	3,300	ug/kg	300	8270C	12/14/06 18:32	ARH	50-32-8	
Benzo(b)fluoranthene	4,600	ug/kg	300	8270C	12/14/06 18:32	ARH	205-99-2	
Benzo(k)fluoranthene	4,100	ug/kg	300	8270C	12/14/06 18:32	ARH	207-08-9	
Benzo(ghi)perylene	1,200	ug/kg	300	8270C	12/14/06 18:32	ARH	191-24-2	
Chrysene	3,700	ug/kg	300	8270C	12/14/06 18:32	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/14/06 18:32	ARH	53-70-3	
Fluoranthene	5,700	ug/kg	300	8270C	12/14/06 18:32	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/14/06 18:32	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	1,400	ug/kg	300	8270C	12/14/06 18:32	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/14/06 18:32	ARH	91-20-3	
Phenanthrene	1,800	ug/kg	300	8270C	12/14/06 18:32	ARH	85-01-8	

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Analytical Laboratory Report

Lab Sample ID: S29928.13 (continued)
Sample Tag: SS2-16

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	4,800	ug/kg	300	8270C	12/14/06 18:32	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/14/06 18:32	ARH	91-57-6	

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Analytical Laboratory Report

Lab Sample ID: S29928.14
Sample Tag: SS2-17
Collected Date/Time: 12/07/2006 11:25
Matrix: Soil
COC Reference: 038911

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/18/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/13/06 10:30	SLS		
Lead, Fine Digestion	Completed			3050B	12/18/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/15/06 12:00	JRT		
Metal Digestion	Completed			3050B	12/14/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/12/06 22:06	EMR		
Inorganics								
Total Solids	80	%	1	160.3	12/13/06 10:30	JRT		
Metals								
% Coarse by Weight	93.9	%			12/13/06 10:30	JRT		
% Fine by Weight	6.1	%			12/13/06 10:30	JRT		
Arsenic	1.54	mg/kg	0.10	6020	12/18/06 13:20	SLS	7440-38-2	
Barium	55.6	mg/kg	1.0	6020	12/18/06 13:20	SLS	7440-39-3	
Cadmium	0.73	mg/kg	0.20	6020	12/18/06 13:20	SLS	7440-43-9	
Chromium	7.9	mg/kg	2.0	6020	12/18/06 13:20	SLS	7440-47-3	
Copper	9.8	mg/kg	1.0	6020	12/18/06 13:20	SLS	7440-50-8	
Lead, Coarse	25.8	mg/kg	1.0	6020	12/18/06 12:28	PER		
Lead, Fine	31.6	mg/kg	1.0	6020	12/18/06 13:03	PER		
Lead, Total Calculated	26.1	mg/kg	1.0	6020	12/18/06 13:30	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471A	12/18/06 15:28	JRT	7439-97-6	
Selenium	0.43	mg/kg	0.20	6020	12/18/06 13:20	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	12/18/06 13:20	SLS	7440-22-4	
Zinc	37.9	mg/kg	1.0	6020	12/18/06 13:20	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/14/06 18:54	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/14/06 18:54	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/14/06 18:54	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/14/06 18:54	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	12/14/06 18:54	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	12/14/06 18:54	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	12/14/06 18:54	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/14/06 18:54	ARH	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	12/14/06 18:54	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/14/06 18:54	ARH	53-70-3	
Fluoranthene	300	ug/kg	300	8270C	12/14/06 18:54	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/14/06 18:54	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/14/06 18:54	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/14/06 18:54	ARH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	12/14/06 18:54	ARH	85-01-8	

Analytical Laboratory Report

Lab Sample ID: S29928.14 (continued)
Sample Tag: SS2-17

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	Not detected	ug/kg	300	8270C	12/14/06 18:54	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/14/06 18:54	ARH	91-57-6	

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Analytical Laboratory Report

Lab Sample ID: S29928.15
Sample Tag: SS2-18
Collected Date/Time: 12/07/2006 11:45
Matrix: Soil
COC Reference: 038911

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/18/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/13/06 10:30	SLS		
Lead, Fine Digestion	Completed			3050B	12/18/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/15/06 12:00	JRT		
Metal Digestion	Completed			3050B	12/14/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/12/06 22:06	EMR		
Inorganics								
Total Solids	77	%	1	160.3	12/13/06 10:30	JRT		
Metals								
% Coarse by Weight	84.7	%			12/13/06 10:30	JRT		
% Fine by Weight	15.3	%			12/13/06 10:30	JRT		
Arsenic	3.08	mg/kg	0.10	6020	12/18/06 13:23	SLS	7440-38-2	
Barium	59.4	mg/kg	1.0	6020	12/18/06 13:23	SLS	7440-39-3	
Cadmium	5.74	mg/kg	0.20	6020	12/18/06 13:23	SLS	7440-43-9	
Chromium	42.8	mg/kg	2.0	6020	12/18/06 13:23	SLS	7440-47-3	
Copper	34.7	mg/kg	1.0	6020	12/18/06 13:23	SLS	7440-50-8	
Lead, Coarse	177	mg/kg	1.0	6020	12/18/06 12:29	PER		
Lead, Fine	221	mg/kg	1.0	6020	12/18/06 13:04	PER		
Lead, Total Calculated	183	mg/kg	1.0	6020	12/18/06 13:30	PER	7439-92-1C	
Mercury	0.060	mg/kg	0.050	7471A	12/18/06 15:30	JRT	7439-97-6	
Selenium	0.74	mg/kg	0.20	6020	12/18/06 13:23	SLS	7782-49-2	
Silver	0.10	mg/kg	0.10	6020	12/18/06 13:23	SLS	7440-22-4	
Zinc	300	mg/kg	1.0	6020	12/18/06 13:23	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/14/06 19:17	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/14/06 19:17	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/14/06 19:17	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/14/06 19:17	ARH	56-55-3	
Benzo(a)pyrene	500	ug/kg	300	8270C	12/14/06 19:17	ARH	50-32-8	
Benzo(b)fluoranthene	700	ug/kg	300	8270C	12/14/06 19:17	ARH	205-99-2	
Benzo(k)fluoranthene	600	ug/kg	300	8270C	12/14/06 19:17	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/14/06 19:17	ARH	191-24-2	
Chrysene	600	ug/kg	300	8270C	12/14/06 19:17	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/14/06 19:17	ARH	53-70-3	
Fluoranthene	1,300	ug/kg	300	8270C	12/14/06 19:17	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/14/06 19:17	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/14/06 19:17	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/14/06 19:17	ARH	91-20-3	
Phenanthrene	500	ug/kg	300	8270C	12/14/06 19:17	ARH	85-01-8	

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Analytical Laboratory Report

Lab Sample ID: S29928.15 (continued)
Sample Tag: SS2-18

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	1,100	ug/kg	300	8270C	12/14/06 19:17	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/14/06 19:17	ARH	91-57-6	

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Analytical Laboratory Report

Lab Sample ID: S29928.16
Sample Tag: SS2-19
Collected Date/Time: 12/07/2006 12:00
Matrix: Soil
COC Reference: 038911

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/18/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/13/06 10:30	SLS		
Lead, Fine Digestion	Completed			3050B	12/18/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/15/06 12:00	JRT		
Metal Digestion	Completed			3050B	12/14/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/12/06 22:06	EMR		
Inorganics								
Total Solids	83	%	1	160.3	12/13/06 10:30	JRT		
Metals								
% Coarse by Weight	84.5	%			12/13/06 10:30	JRT		
% Fine by Weight	15.5	%			12/13/06 10:30	JRT		
Arsenic	3.69	mg/kg	0.10	6020	12/18/06 13:26	SLS	7440-38-2	
Barium	84.3	mg/kg	1.0	6020	12/18/06 13:26	SLS	7440-39-3	
Cadmium	1.88	mg/kg	0.20	6020	12/18/06 13:26	SLS	7440-43-9	
Chromium	22.5	mg/kg	2.0	6020	12/18/06 13:26	SLS	7440-47-3	
Copper	100	mg/kg	1.0	6020	12/18/06 13:26	SLS	7440-50-8	
Lead, Coarse	93.4	mg/kg	1.0	6020	12/18/06 12:30	PER		
Lead, Fine	157	mg/kg	1.0	6020	12/18/06 13:05	PER		
Lead, Total Calculated	103	mg/kg	1.0	6020	12/18/06 13:30	PER	7439-92-1C	
Mercury	0.552	mg/kg	0.050	7471A	12/18/06 15:32	JRT	7439-97-6	
Selenium	0.79	mg/kg	0.20	6020	12/18/06 13:26	SLS	7782-49-2	
Silver	0.41	mg/kg	0.10	6020	12/18/06 13:26	SLS	7440-22-4	
Zinc	1,960	mg/kg	1.0	6020	12/18/06 13:29	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/14/06 19:40	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/14/06 19:40	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/14/06 19:40	ARH	120-12-7	
Benzo(a)anthracene	500	ug/kg	300	8270C	12/14/06 19:40	ARH	56-55-3	
Benzo(a)pyrene	1,200	ug/kg	300	8270C	12/14/06 19:40	ARH	50-32-8	
Benzo(b)fluoranthene	1,300	ug/kg	300	8270C	12/14/06 19:40	ARH	205-99-2	
Benzo(k)fluoranthene	1,300	ug/kg	300	8270C	12/14/06 19:40	ARH	207-08-9	
Benzo(ghi)perylene	400	ug/kg	300	8270C	12/14/06 19:40	ARH	191-24-2	
Chrysene	1,200	ug/kg	300	8270C	12/14/06 19:40	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/14/06 19:40	ARH	53-70-3	
Fluoranthene	2,200	ug/kg	300	8270C	12/14/06 19:40	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/14/06 19:40	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	500	ug/kg	300	8270C	12/14/06 19:40	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/14/06 19:40	ARH	91-20-3	
Phenanthrene	900	ug/kg	300	8270C	12/14/06 19:40	ARH	85-01-8	

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Analytical Laboratory Report

Lab Sample ID: S29928.16 (continued)
Sample Tag: SS2-19

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	1,800	ug/kg	300	8270C	12/14/06 19:40	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/14/06 19:40	ARH	91-57-6	

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Analytical Laboratory Report

Lab Sample ID: S29928.17
Sample Tag: Dup-08
Collected Date/Time: 12/07/2006 :
Matrix: Soil
COC Reference: 038911

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/18/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/13/06 10:30	SLS		
Lead, Fine Digestion	Completed			3050B	12/18/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/15/06 12:00	JRT		
Metal Digestion	Completed			3050B	12/14/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/11/06 22:00	EMR		
Inorganics								
Total Solids	83	%	1	160.3	12/13/06 10:30	JRT		
Metals								
% Coarse by Weight	83.4	%			12/13/06 10:30	JRT		
% Fine by Weight	16.2	%			12/13/06 10:30	JRT		
Arsenic	3.41	mg/kg	0.10	6020	12/18/06 13:33	SLS	7440-38-2	
Barium	101	mg/kg	1.0	6020	12/18/06 13:33	SLS	7440-39-3	
Cadmium	1.72	mg/kg	0.20	6020	12/18/06 13:33	SLS	7440-43-9	
Chromium	90.3	mg/kg	2.0	6020	12/18/06 13:33	SLS	7440-47-3	
Copper	258	mg/kg	1.0	6020	12/18/06 13:33	SLS	7440-50-8	
Lead, Coarse	132	mg/kg	1.0	6020	12/18/06 12:32	PER		
Lead, Fine	205	mg/kg	1.0	6020	12/18/06 13:06	PER		
Lead, Total Calculated	143	mg/kg	1.0	6020	12/18/06 13:30	PER	7439-92-1C	
Mercury	0.275	mg/kg	0.050	7471A	12/18/06 15:35	JRT	7439-97-6	
Selenium	0.61	mg/kg	0.20	6020	12/18/06 13:33	SLS	7782-49-2	
Silver	0.44	mg/kg	0.10	6020	12/18/06 13:33	SLS	7440-22-4	
Zinc	1,310	mg/kg	1.0	6020	12/18/06 13:36	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	300	ug/kg	300	8270C	12/13/06 21:07	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/13/06 21:07	ARH	208-96-8	
Anthracene	1,000	ug/kg	300	8270C	12/13/06 21:07	ARH	120-12-7	
Benzo(a)anthracene	2,700	ug/kg	300	8270C	12/13/06 21:07	ARH	56-55-3	
Benzo(a)pyrene	3,800	ug/kg	300	8270C	12/13/06 21:07	ARH	50-32-8	
Benzo(b)fluoranthene	4,100	ug/kg	300	8270C	12/13/06 21:07	ARH	205-99-2	
Benzo(k)fluoranthene	3,600	ug/kg	300	8270C	12/13/06 21:07	ARH	207-08-9	
Benzo(ghi)perylene	1,300	ug/kg	300	8270C	12/13/06 21:07	ARH	191-24-2	
Chrysene	3,600	ug/kg	300	8270C	12/13/06 21:07	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/13/06 21:07	ARH	53-70-3	
Fluoranthene	7,200	ug/kg	300	8270C	12/13/06 21:07	ARH	206-44-0	
Fluorene	400	ug/kg	300	8270C	12/13/06 21:07	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	1,500	ug/kg	300	8270C	12/13/06 21:07	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/13/06 21:07	ARH	91-20-3	
Phenanthrene	3,900	ug/kg	300	8270C	12/13/06 21:07	ARH	85-01-8	

Analytical Laboratory Report

Lab Sample ID: S29928.17 (continued)
Sample Tag: Dup-08

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	6,000	ug/kg	300	8270C	12/13/06 21:07	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/13/06 21:07	ARH	91-57-6	

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C.O.C. PAGE # 1 OF 3

035105

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: CLIFF YANTZ
COMPANY: OBRIEN & GERE
ADDRESS: 33469 W. 14 MILE RD STE 150
CITY: FARMINGTON HILLS STATE: MI ZIP CODE: 48331
PHONE NO.: 2486613745 FAX NO.: 2486614057 P.O. NO.: 39923
E-MAIL ADDRESS: QUOTE NO.:

INVOICE TO

CONTACT NAME: SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: GM MFD GRAND BLANC
SAMPLER(S) - PLEASE PRINT/SIGN NAME: MIKE ROBISON

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	2006 YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF CONTAINERS	NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	SVOCs PNAs	TOTAL METALS	SPECIAL INSTRUCTIONS/NOTES
29928.01	12/7	0915	SS3-01	S	1	1							X	X	0-6"
.02/.03		0915	SS3-01 MS/MSD	S	1	1							X	X	0-6"
.04		0930	SS5-01	S	1	1							X	X	0-6"
.05		←	DUP-07	S	1	1							X	X	0-6"
.06		0950	SS5-02	S	1	1							X	X	0-6"
.07		1000	SS5-03	S	1	1							X	X	0-6"
.08		1015	SS4-06	S	1	1							X	X	0-6"
.09		1025	SS4-07	S	1	1							X	X	0-6"
.10		1040	SS4-08	S	1	1							X	X	0-6"
.11		1100	SS2-14	S	1	1							X	X	0-6"
.12		1110	SS2-15	S	1	1							X	X	0-6"
.13	↓	1115	SS2-16	S	1	1							X	X	0-6"

* SPECIAL INSTRUCTIONS/NOTES: FINE + COARSE FRACTION ANALYSIS FOR LEAD SOIL SAMPLES

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Merit	12/7/06	1540
RECEIVED BY: SIGNATURE/ORGANIZATION	Merit	12-7-06	1540
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Merit	12-7-06	1615
RECEIVED BY: SIGNATURE/ORGANIZATION	Barbara Richardson	12-8-06	16:15
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS | NOTES: | TEMP. ON ARRIVAL 4.4
SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 2 OF 3

038911

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME	CLIFF YANTZ
COMPANY	OBRIEN + GERE
ADDRESS	33469 W. 14 MILE RD STE 150
CITY	FARMINGTON HILLS
STATE	MI
ZIP CODE	48331
PHONE NO.	248 6613745
FAX NO.	
P.O. NO.	39923
E-MAIL ADDRESS	
QUOTE NO.	

INVOICE TO ☑ SAME

CONTACT NAME	
COMPANY	
ADDRESS	
CITY	
STATE	
ZIP CODE	
PHONE NO.	
FAX NO.	
P.O. NO.	

PROJECT NO./NAME: GM MFD GRAND BLANC

SAMPLER(S) - PLEASE PRINT/SIGN NAME: MIKE ROBISON

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES: FINE + COARSE FRACTION LEAD ANALYSIS FOR SOILS

MERIT LAB NO.	2006 DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	SVOCs / PNAs	MI 10 METALS	SPECIAL INSTRUCTIONS/NOTES
29928.14	12/7	1125	SS2-17	S	1	1							X	X	0-6"
.15		1145	SS2-18	S	1	1							X	X	0-6"
.16		1200	SS2-19	S	1	1							X	X	0-6"
.17		—	DUP-08	S	1	1							X	X	0-6"
.18		1220	SS3-02	S	1	1							X	X	0-6"
.19		1245	SS3-03	S	1	1							X	X	0-6"
.20		1430	MW4-04	GW	2	1		1					X	X	METALS FIELD FILTERED
.21		1530	MW2-03	GW	2	1		1					X	X	" "
.22		1630	MW2-01	GW	2	1		1					X	X	" "
.23	12/8	0815	MW2-02	GW	2	1		1					X	X	" "
.24/.25		0815	MW2-02 MS/MSD	GW	4	2		2					X	X	" "
.26		0930	MW4-03	GW	2	1		1					X	X	" "

		DATE	TIME			DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	[signature] OBG	12/8/06	1540	RELINQUISHED BY: SIGNATURE/ORGANIZATION	[signature] / Merit	12-8-06	1615
RECEIVED BY: SIGNATURE/ORGANIZATION	[signature] / Merit	12-8-06	1540	RECEIVED BY: SIGNATURE/ORGANIZATION	Barbara Richardson TOI	12-8-06	16:15
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 1.4
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	DISSOLVED ANALYSIS FOR METALS WATERS

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C.O.C. PAGE # 3 OF 3

038994

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: CLIFF YANT 2
COMPANY: OBRIEN + GERE
ADDRESS: SAME AS PG 1
CITY / STATE / ZIP CODE:
PHONE NO. / FAX NO. / P.O. NO.: 39923
E-MAIL ADDRESS / QUOTE NO.:

INVOICE TO

CONTACT NAME: SAME
COMPANY:
ADDRESS:
CITY / STATE / ZIP CODE:
PHONE NO. / FAX NO. / P.O. NO.:

PROJECT NO./NAME: GM MFD GRAND BLANC
SAMPLER(S) - PLEASE PRINT/SIGN NAME: MIKE ROBISON

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR 2006 DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	OTHER	PNA's	10 METALS	SPECIAL INSTRUCTIONS/NOTES
29928.27	12/8	—	DUP-01	GW	2	1		1				X	X	METALS FIELD FILTERED
.28		1030	MW4-01	GW	2	1		1				X	X	" "
.29		1130	MW3-02	GW	2	1		1				X	X	" "
.30		1230	MW4-02	GW	2	1		1				X	X	" "
.31		1330	MW3-01	GW	2	1		1				X	X	" "
.32		1430	MW3-03	GW	2	1		1				X	X	" "
.33	↓	1530	MW1-01	GW	2	1		1				X	X	" "

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	OBG	12/8/06	15:40
RECEIVED BY: SIGNATURE/ORGANIZATION	Merit	12-8-06	15:40
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Merit	12-8-06	16:15
RECEIVED BY: SIGNATURE/ORGANIZATION	Barbara Richardson	12-8-06	16:15
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME

SEAL NO. / SEAL INTACT YES ☐ NO ☐ / INITIALS
SEAL NO. / SEAL INTACT YES ☐ NO ☐ / INITIALS

NOTES: TEMP. ON ARRIVAL 4.4

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S30082.01(01)
Generated on 12/28/2006

Report to

Attention: Mr. Clifford Yantz
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057

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): S30082.01-S30082.28
Project: GM MFD Grand Blanc
Collected Date: 12/20/2006
Submitted Date/Time: 12/20/2006 15:00
Sampled by: Mike Robison
P.O. #: 10610474EST

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.

Violetta F. Murshak
Laboratory Director

Merit Laboratories, Inc.

Analytical Laboratory Report

Sample Summary (28 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S30082.01	SS2-20	Soil	12/20/2006 08:50
S30082.02	SS2-21	Soil	12/20/2006 09:00
S30082.03	SS2-22	Soil	12/20/2006 09:10
S30082.04	SS2-23	Soil	12/20/2006 09:20
S30082.05	SS2-24	Soil	12/20/2006 09:30
S30082.06	SS2-25	Soil	12/20/2006 09:40
S30082.07	SS2-26	Soil	12/20/2006 09:50
S30082.08	SS2-27	Soil	12/20/2006 10:10
S30082.09	SS2-28	Soil	12/20/2006 10:20
S30082.10	SS2-29	Soil	12/20/2006 10:30
S30082.11	DUP-09	Soil	12/20/2006
S30082.12	SS2-30	Soil	12/20/2006 10:45
S30082.13	SS2-31	Soil	12/20/2006 10:55
S30082.14	SS2-32	Soil	12/20/2006 11:10
S30082.15	SS2-32 MS	Soil	12/20/2006 11:10
S30082.16	SS2-32 MSD	Soil	12/20/2006 11:10
S30082.17	SS2-33	Soil	12/20/2006 11:20
S30082.18	SS2-34	Soil	12/20/2006 11:30
S30082.19	SS2-35	Soil	12/20/2006 11:40
S30082.20	EB-06	Liquid	12/20/2006 12:00
S30082.21	SS4-09	Soil	12/20/2006 12:30
S30082.22	DUP-10	Soil	12/20/2006
S30082.23	SS4-10	Soil	12/20/2006 12:40
S30082.24	SS4-11	Soil	12/20/2006 12:50
S30082.25	SS4-12	Soil	12/20/2006 13:20
S30082.26	SS4-13	Soil	12/20/2006 13:30
S30082.27	SS4-14	Soil	12/20/2006 13:40
S30082.28	EB-07	Liquid	12/20/2006 14:00

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Shane Noreen
LFR
Aug 07, 2009 19:38

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Analytical Laboratory Report

Lab Sample ID: S30082.01
Sample Tag: SS2-20
Collected Date/Time: 12/20/2006 08:50
Matrix: Soil
COC Reference: 035113

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/27/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/22/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/27/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/26/06 14:00	JRT		
Metal Digestion	Completed			3050B	12/27/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/21/06 13:40	DLR		
Inorganics								
Total Solids	82	%	1	160.3	12/22/06 10:30	JRT		
Metals								
% Coarse by Weight	92.0	%			12/22/06 10:30	JRT		
% Fine by Weight	8.0	%			12/22/06 10:30	JRT		
Arsenic	3.36	mg/kg	0.10	6020	12/27/06 16:15	SLS	7440-38-2	
Barium	30.9	mg/kg	1.0	6020	12/27/06 16:15	SLS	7440-39-3	
Cadmium	1.51	mg/kg	0.20	6020	12/27/06 16:15	SLS	7440-43-9	
Chromium	12.8	mg/kg	2.0	6020	12/27/06 16:15	SLS	7440-47-3	
Copper	128	mg/kg	1.0	6020	12/27/06 16:15	SLS	7440-50-8	
Lead, Coarse	91.3	mg/kg	1.0	6020	12/27/06 14:05	PER		
Lead, Fine	126	mg/kg	1.0	6020	12/27/06 14:31	PER		
Lead, Total Calculated	94.0	mg/kg	1.0	6020	12/27/06 15:00	PER	7439-92-1C	
Mercury	2.760	mg/kg	0.050	7471A	12/26/06 16:08	JRT	7439-97-6	
Selenium	0.49	mg/kg	0.20	6020	12/27/06 16:15	SLS	7782-49-2	
Silver	0.15	mg/kg	0.10	6020	12/27/06 16:15	SLS	7440-22-4	
Zinc	613	mg/kg	1.0	6020	12/27/06 16:15	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	400	8270C	12/23/06 03:15	ARH	83-32-9	XI
Acenaphthylene	Not detected	ug/kg	400	8270C	12/23/06 03:15	ARH	208-96-8	XI
Anthracene	Not detected	ug/kg	400	8270C	12/23/06 03:15	ARH	120-12-7	XI
Benzo(a)anthracene	Not detected	ug/kg	400	8270C	12/23/06 03:15	ARH	56-55-3	XI
Benzo(a)pyrene	900	ug/kg	400	8270C	12/23/06 03:15	ARH	50-32-8	XI
Benzo(b)fluoranthene	1,300	ug/kg	400	8270C	12/23/06 03:15	ARH	205-99-2	XI
Benzo(k)fluoranthene	700	ug/kg	400	8270C	12/23/06 03:15	ARH	207-08-9	XI
Benzo(ghi)perylene	400	ug/kg	400	8270C	12/23/06 03:15	ARH	191-24-2	XI
Chrysene	700	ug/kg	400	8270C	12/23/06 03:15	ARH	218-01-9	XI
Dibenzo(ah)anthracene	Not detected	ug/kg	400	8270C	12/23/06 03:15	ARH	53-70-3	XI
Fluoranthene	1,000	ug/kg	400	8270C	12/23/06 03:15	ARH	206-44-0	XI
Fluorene	Not detected	ug/kg	400	8270C	12/23/06 03:15	ARH	86-73-7	XI
Indeno(1,2,3-cd)pyrene	600	ug/kg	400	8270C	12/23/06 03:15	ARH	193-39-5	XI
Naphthalene	Not detected	ug/kg	400	8270C	12/23/06 03:15	ARH	91-20-3	XI

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

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S30082.01 (continued)
Sample Tag: SS2-20

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Phenanthrene	500	ug/kg	400	8270C	12/23/06 03:15	ARH	85-01-8	XI
Pyrene	1,200	ug/kg	400	8270C	12/23/06 03:15	ARH	129-00-0	XI
2-Methylnaphthalene	Not detected	ug/kg	400	8270C	12/23/06 03:15	ARH	91-57-6	XI
Polynuclear Aromatics (Replicate 01)								
Acenaphthene	Not detected	ug/kg	600	8270C	12/27/06 22:45	ARH	83-32-9	X
Acenaphthylene	Not detected	ug/kg	600	8270C	12/27/06 22:45	ARH	208-96-8	X
Anthracene	Not detected	ug/kg	600	8270C	12/27/06 22:45	ARH	120-12-7	X
Benzo(a)anthracene	Not detected	ug/kg	600	8270C	12/27/06 22:45	ARH	56-55-3	X
Benzo(a)pyrene	Not detected	ug/kg	600	8270C	12/27/06 22:45	ARH	50-32-8	X
Benzo(b)fluoranthene	Not detected	ug/kg	600	8270C	12/27/06 22:45	ARH	205-99-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	600	8270C	12/27/06 22:45	ARH	207-08-9	X
Benzo(ghi)perylene	Not detected	ug/kg	600	8270C	12/27/06 22:45	ARH	191-24-2	X
Chrysene	Not detected	ug/kg	600	8270C	12/27/06 22:45	ARH	218-01-9	X
Dibenzo(ah)anthracene	Not detected	ug/kg	600	8270C	12/27/06 22:45	ARH	53-70-3	X
Fluoranthene	Not detected	ug/kg	600	8270C	12/27/06 22:45	ARH	206-44-0	X
Fluorene	Not detected	ug/kg	600	8270C	12/27/06 22:45	ARH	86-73-7	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	600	8270C	12/27/06 22:45	ARH	193-39-5	X
Naphthalene	Not detected	ug/kg	600	8270C	12/27/06 22:45	ARH	91-20-3	X
Phenanthrene	Not detected	ug/kg	600	8270C	12/27/06 22:45	ARH	85-01-8	X
Pyrene	Not detected	ug/kg	600	8270C	12/27/06 22:45	ARH	129-00-0	X
2-Methylnaphthalene	Not detected	ug/kg	600	8270C	12/27/06 22:45	ARH	91-57-6	X

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

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Shane Noreen
LFR
Aug 07, 2009 19:38

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S30082.02
Sample Tag: SS2-21
Collected Date/Time: 12/20/2006 09:00
Matrix: Soil
COC Reference: 035113

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/27/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/22/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/27/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/26/06 14:00	JRT		
Metal Digestion	Completed			3050B	12/27/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/21/06 13:40	DLR		
Inorganics								
Total Solids	77	%	1	160.3	12/22/06 10:30	JRT		
Metals								
% Coarse by Weight	90.5	%			12/22/06 10:30	JRT		
% Fine by Weight	9.5	%			12/22/06 10:30	JRT		
Arsenic	8.24	mg/kg	0.10	6020	12/27/06 16:18	SLS	7440-38-2	
Barium	161	mg/kg	1.0	6020	12/27/06 16:18	SLS	7440-39-3	
Cadmium	4.98	mg/kg	0.20	6020	12/27/06 16:18	SLS	7440-43-9	
Chromium	81.5	mg/kg	2.0	6020	12/27/06 16:18	SLS	7440-47-3	
Copper	153	mg/kg	1.0	6020	12/27/06 16:18	SLS	7440-50-8	
Lead, Coarse	271	mg/kg	1.0	6020	12/27/06 14:07	PER		
Lead, Fine	416	mg/kg	1.0	6020	12/27/06 14:34	PER		
Lead, Total Calculated	284	mg/kg	1.0	6020	12/27/06 15:00	PER	7439-92-1C	
Mercury	0.175	mg/kg	0.050	7471A	12/26/06 16:04	JRT	7439-97-6	
Selenium	0.40	mg/kg	0.20	6020	12/27/06 16:18	SLS	7782-49-2	
Silver	1.16	mg/kg	0.10	6020	12/27/06 16:18	SLS	7440-22-4	
Zinc	812	mg/kg	1.0	6020	12/27/06 16:18	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/22/06 10:20	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/22/06 10:20	ARH	208-96-8	
Anthracene	400	ug/kg	300	8270C	12/22/06 10:20	ARH	120-12-7	
Benzo(a)anthracene	1,400	ug/kg	300	8270C	12/22/06 10:20	ARH	56-55-3	
Benzo(a)pyrene	2,100	ug/kg	300	8270C	12/22/06 10:20	ARH	50-32-8	
Benzo(b)fluoranthene	2,100	ug/kg	300	8270C	12/22/06 10:20	ARH	205-99-2	
Benzo(k)fluoranthene	1,800	ug/kg	300	8270C	12/22/06 10:20	ARH	207-08-9	
Benzo(ghi)perylene	1,400	ug/kg	300	8270C	12/22/06 10:20	ARH	191-24-2	
Chrysene	1,900	ug/kg	300	8270C	12/22/06 10:20	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/22/06 10:20	ARH	53-70-3	
Fluoranthene	3,600	ug/kg	300	8270C	12/22/06 10:20	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/22/06 10:20	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	1,400	ug/kg	300	8270C	12/22/06 10:20	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/22/06 10:20	ARH	91-20-3	
Phenanthrene	1,600	ug/kg	300	8270C	12/22/06 10:20	ARH	85-01-8	

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S30082.02 (continued)
Sample Tag: SS2-21

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	3,100	ug/kg	300	8270C	12/22/06 10:20	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/22/06 10:20	ARH	91-57-6	

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S30082.03
Sample Tag: SS2-22
Collected Date/Time: 12/20/2006 09:10
Matrix: Soil
COC Reference: 035113

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/27/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/22/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/27/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/26/06 14:00	JRT		
Metal Digestion	Completed			3050B	12/27/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/21/06 13:40	DLR		
Inorganics								
Total Solids	77	%	1	160.3	12/22/06 10:30	JRT		
Metals								
% Coarse by Weight	92.1	%			12/22/06 10:30	JRT		
% Fine by Weight	7.9	%			12/22/06 10:30	JRT		
Arsenic	5.66	mg/kg	0.10	6020	12/27/06 16:21	SLS	7440-38-2	
Barium	91.9	mg/kg	1.0	6020	12/27/06 16:21	SLS	7440-39-3	
Cadmium	1.27	mg/kg	0.20	6020	12/27/06 16:21	SLS	7440-43-9	
Chromium	20.0	mg/kg	2.0	6020	12/27/06 16:21	SLS	7440-47-3	
Copper	126	mg/kg	1.0	6020	12/27/06 16:21	SLS	7440-50-8	
Lead, Coarse	58.9	mg/kg	1.0	6020	12/27/06 14:08	PER		
Lead, Fine	150	mg/kg	1.0	6020	12/27/06 14:35	PER		
Lead, Total Calculated	66.0	mg/kg	1.0	6020	12/27/06 15:00	PER	7439-92-1C	
Mercury	0.127	mg/kg	0.050	7471A	12/26/06 16:06	JRT	7439-97-6	
Selenium	0.61	mg/kg	0.20	6020	12/27/06 16:21	SLS	7782-49-2	
Silver	0.66	mg/kg	0.10	6020	12/27/06 16:21	SLS	7440-22-4	
Zinc	1,460	mg/kg	1.0	6020	12/27/06 16:21	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/22/06 10:43	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/22/06 10:43	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/22/06 10:43	ARH	120-12-7	
Benzo(a)anthracene	300	ug/kg	300	8270C	12/22/06 10:43	ARH	56-55-3	
Benzo(a)pyrene	800	ug/kg	300	8270C	12/22/06 10:43	ARH	50-32-8	
Benzo(b)fluoranthene	800	ug/kg	300	8270C	12/22/06 10:43	ARH	205-99-2	
Benzo(k)fluoranthene	700	ug/kg	300	8270C	12/22/06 10:43	ARH	207-08-9	
Benzo(ghi)perylene	500	ug/kg	300	8270C	12/22/06 10:43	ARH	191-24-2	
Chrysene	700	ug/kg	300	8270C	12/22/06 10:43	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/22/06 10:43	ARH	53-70-3	
Fluoranthene	1,300	ug/kg	300	8270C	12/22/06 10:43	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/22/06 10:43	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	500	ug/kg	300	8270C	12/22/06 10:43	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/22/06 10:43	ARH	91-20-3	
Phenanthrene	500	ug/kg	300	8270C	12/22/06 10:43	ARH	85-01-8	

Analytical Laboratory Report

Lab Sample ID: S30082.03 (continued)
Sample Tag: SS2-22

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	1,100	ug/kg	300	8270C	12/22/06 10:43	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/22/06 10:43	ARH	91-57-6	

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Analytical Laboratory Report

Lab Sample ID: S30082.04
Sample Tag: SS2-23
Collected Date/Time: 12/20/2006 09:20
Matrix: Soil
COC Reference: 035113

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/27/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/22/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/27/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/26/06 14:00	JRT		
Metal Digestion	Completed			3050B	12/27/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/21/06 13:40	DLR		
Inorganics								
Total Solids	67	%	1	160.3	12/22/06 10:30	JRT		
Metals								
% Coarse by Weight	83.2	%			12/22/06 10:30	JRT		
% Fine by Weight	16.8	%			12/22/06 10:30	JRT		
Arsenic	15.7	mg/kg	0.10	6020	12/27/06 16:50	SLS	7440-38-2	
Barium	79.4	mg/kg	1.0	6020	12/27/06 16:50	SLS	7440-39-3	
Cadmium	0.85	mg/kg	0.20	6020	12/27/06 16:50	SLS	7440-43-9	
Chromium	7.4	mg/kg	2.0	6020	12/27/06 16:50	SLS	7440-47-3	
Copper	28.1	mg/kg	1.0	6020	12/27/06 16:50	SLS	7440-50-8	
Lead, Coarse	31.9	mg/kg	1.0	6020	12/27/06 14:09	PER		
Lead, Fine	49.4	mg/kg	1.0	6020	12/27/06 14:38	PER		
Lead, Total Calculated	34.8	mg/kg	1.0	6020	12/27/06 15:00	PER	7439-92-1C	
Mercury	0.071	mg/kg	0.050	7471A	12/26/06 16:10	JRT	7439-97-6	
Selenium	1.08	mg/kg	0.20	6020	12/27/06 16:50	SLS	7782-49-2	
Silver	0.14	mg/kg	0.10	6020	12/27/06 16:50	SLS	7440-22-4	
Zinc	91.8	mg/kg	1.0	6020	12/27/06 16:50	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/22/06 11:06	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/22/06 11:06	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/22/06 11:06	ARH	120-12-7	
Benzo(a)anthracene	700	ug/kg	300	8270C	12/22/06 11:06	ARH	56-55-3	
Benzo(a)pyrene	1,300	ug/kg	300	8270C	12/22/06 11:06	ARH	50-32-8	
Benzo(b)fluoranthene	1,500	ug/kg	300	8270C	12/22/06 11:06	ARH	205-99-2	
Benzo(k)fluoranthene	1,100	ug/kg	300	8270C	12/22/06 11:06	ARH	207-08-9	
Benzo(ghi)perylene	800	ug/kg	300	8270C	12/22/06 11:06	ARH	191-24-2	
Chrysene	1,200	ug/kg	300	8270C	12/22/06 11:06	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/22/06 11:06	ARH	53-70-3	
Fluoranthene	2,900	ug/kg	300	8270C	12/22/06 11:06	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/22/06 11:06	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	800	ug/kg	300	8270C	12/22/06 11:06	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/22/06 11:06	ARH	91-20-3	
Phenanthrene	1,300	ug/kg	300	8270C	12/22/06 11:06	ARH	85-01-8	

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Lab Sample ID: S30082.04 (continued)
Sample Tag: SS2-23

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	2,200	ug/kg	300	8270C	12/22/06 11:06	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/22/06 11:06	ARH	91-57-6	

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Analytical Laboratory Report

Lab Sample ID: S30082.05
Sample Tag: SS2-24
Collected Date/Time: 12/20/2006 09:30
Matrix: Soil
COC Reference: 035113

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/27/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/22/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/27/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/26/06 14:00	JRT		
Metal Digestion	Completed			3050B	12/27/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/21/06 13:40	DLR		
Inorganics								
Total Solids	86	%	1	160.3	12/22/06 10:30	JRT		
Metals								
% Coarse by Weight	86.7	%			12/22/06 10:30	JRT		
% Fine by Weight	13.3	%			12/22/06 10:30	JRT		
Arsenic	2.49	mg/kg	0.10	6020	12/27/06 16:53	SLS	7440-38-2	
Barium	17.6	mg/kg	1.0	6020	12/27/06 16:53	SLS	7440-39-3	
Cadmium	1.55	mg/kg	0.20	6020	12/27/06 16:53	SLS	7440-43-9	
Chromium	15.0	mg/kg	2.0	6020	12/27/06 16:53	SLS	7440-47-3	
Copper	40.9	mg/kg	1.0	6020	12/27/06 16:53	SLS	7440-50-8	
Lead, Coarse	293	mg/kg	1.0	6020	12/27/06 14:11	PER		
Lead, Fine	453	mg/kg	1.0	6020	12/27/06 14:39	PER		
Lead, Total Calculated	314	mg/kg	1.0	6020	12/27/06 15:00	PER	7439-92-1C	
Mercury	0.701	mg/kg	0.050	7471A	12/26/06 16:12	JRT	7439-97-6	
Selenium	0.36	mg/kg	0.20	6020	12/27/06 16:53	SLS	7782-49-2	
Silver	0.12	mg/kg	0.10	6020	12/27/06 16:53	SLS	7440-22-4	
Zinc	1,040	mg/kg	1.0	6020	12/27/06 16:53	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/22/06 11:51	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/22/06 11:51	ARH	208-96-8	
Anthracene	700	ug/kg	300	8270C	12/22/06 11:51	ARH	120-12-7	
Benzo(a)anthracene	1,800	ug/kg	300	8270C	12/22/06 11:51	ARH	56-55-3	
Benzo(a)pyrene	2,300	ug/kg	300	8270C	12/22/06 11:51	ARH	50-32-8	
Benzo(b)fluoranthene	2,400	ug/kg	300	8270C	12/22/06 11:51	ARH	205-99-2	
Benzo(k)fluoranthene	2,000	ug/kg	300	8270C	12/22/06 11:51	ARH	207-08-9	
Benzo(ghi)perylene	1,400	ug/kg	300	8270C	12/22/06 11:51	ARH	191-24-2	
Chrysene	2,100	ug/kg	300	8270C	12/22/06 11:51	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/22/06 11:51	ARH	53-70-3	
Fluoranthene	4,600	ug/kg	300	8270C	12/22/06 11:51	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/22/06 11:51	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	1,400	ug/kg	300	8270C	12/22/06 11:51	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/22/06 11:51	ARH	91-20-3	
Phenanthrene	2,700	ug/kg	300	8270C	12/22/06 11:51	ARH	85-01-8	

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Lab Sample ID: S30082.05 (continued)
Sample Tag: SS2-24

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Pyrene	4,100	ug/kg	300	8270C	12/22/06 11:51	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/22/06 11:51	ARH	91-57-6	

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Analytical Laboratory Report

Lab Sample ID: S30082.06
Sample Tag: SS2-25
Collected Date/Time: 12/20/2006 09:40
Matrix: Soil
COC Reference: 035113

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
PNA Extraction	Completed			3550B	12/21/06 13:40	DLR		
Inorganics								
Total Solids	77	%	1	160.3	12/21/06 17:29	LBR		
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/22/06 12:13	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/22/06 12:13	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/22/06 12:13	ARH	120-12-7	
Benzo(a)anthracene	300	ug/kg	300	8270C	12/22/06 12:13	ARH	56-55-3	
Benzo(a)pyrene	1,000	ug/kg	300	8270C	12/22/06 12:13	ARH	50-32-8	
Benzo(b)fluoranthene	1,000	ug/kg	300	8270C	12/22/06 12:13	ARH	205-99-2	
Benzo(k)fluoranthene	900	ug/kg	300	8270C	12/22/06 12:13	ARH	207-08-9	
Benzo(ghi)perylene	400	ug/kg	300	8270C	12/22/06 12:13	ARH	191-24-2	
Chrysene	800	ug/kg	300	8270C	12/22/06 12:13	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/22/06 12:13	ARH	53-70-3	
Fluoranthene	1,500	ug/kg	300	8270C	12/22/06 12:13	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/22/06 12:13	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	500	ug/kg	300	8270C	12/22/06 12:13	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/22/06 12:13	ARH	91-20-3	
Phenanthrene	600	ug/kg	300	8270C	12/22/06 12:13	ARH	85-01-8	
Pyrene	1,400	ug/kg	300	8270C	12/22/06 12:13	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/22/06 12:13	ARH	91-57-6	

Analytical Laboratory Report

Lab Sample ID: S30082.07
Sample Tag: SS2-26
Collected Date/Time: 12/20/2006 09:50
Matrix: Soil
COC Reference: 035113

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				12/20/06 16:00	PCS		

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Analytical Laboratory Report

Lab Sample ID: S30082.08
Sample Tag: SS2-27
Collected Date/Time: 12/20/2006 10:10
Matrix: Soil
COC Reference: 035113

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
PNA Extraction	Completed			3550B	12/21/06 13:40	DLR		
Inorganics								
Total Solids	83	%	1	160.3	12/21/06 17:29	LBR		
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	800	ug/kg	300	8270C	12/22/06 13:44	ARH	83-32-9	I
Acenaphthylene	Not detected	ug/kg	300	8270C	12/22/06 13:44	ARH	208-96-8	I
Anthracene	4,100	ug/kg	300	8270C	12/22/06 13:44	ARH	120-12-7	I
Benzo(a)anthracene	26,400	ug/kg	300	8270C	12/22/06 13:44	ARH	56-55-3	I
Benzo(a)pyrene	27,100	ug/kg	300	8270C	12/22/06 13:44	ARH	50-32-8	I
Benzo(b)fluoranthene	32,800	ug/kg	300	8270C	12/22/06 13:44	ARH	205-99-2	I
Benzo(k)fluoranthene	24,600	ug/kg	300	8270C	12/22/06 13:44	ARH	207-08-9	I
Benzo(ghi)perylene	6,600	ug/kg	300	8270C	12/22/06 13:44	ARH	191-24-2	I
Chrysene	25,300	ug/kg	300	8270C	12/22/06 13:44	ARH	218-01-9	I
Dibenzo(ah)anthracene	900	ug/kg	300	8270C	12/22/06 13:44	ARH	53-70-3	I
Fluoranthene	45,000	ug/kg	300	8270C	12/22/06 13:44	ARH	206-44-0	I
Fluorene	800	ug/kg	300	8270C	12/22/06 13:44	ARH	86-73-7	I
Indeno(1,2,3-cd)pyrene	8,600	ug/kg	300	8270C	12/22/06 13:44	ARH	193-39-5	I
Naphthalene	Not detected	ug/kg	300	8270C	12/22/06 13:44	ARH	91-20-3	I
Phenanthrene	12,700	ug/kg	300	8270C	12/22/06 13:44	ARH	85-01-8	I
Pyrene	42,100	ug/kg	300	8270C	12/22/06 13:44	ARH	129-00-0	I
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/22/06 13:44	ARH	91-57-6	I
Polynuclear Aromatics (Replicate 01)								
Acenaphthene	500	ug/kg	400	8270C	12/23/06 02:53	ARH	83-32-9	XI
Acenaphthylene	Not detected	ug/kg	400	8270C	12/23/06 02:53	ARH	208-96-8	XI
Anthracene	2,900	ug/kg	400	8270C	12/23/06 02:53	ARH	120-12-7	XI
Benzo(a)anthracene	17,800	ug/kg	400	8270C	12/23/06 02:53	ARH	56-55-3	XI
Benzo(a)pyrene	19,700	ug/kg	400	8270C	12/23/06 02:53	ARH	50-32-8	XI
Benzo(b)fluoranthene	20,200	ug/kg	400	8270C	12/23/06 02:53	ARH	205-99-2	XI
Benzo(k)fluoranthene	21,500	ug/kg	400	8270C	12/23/06 02:53	ARH	207-08-9	XI
Benzo(ghi)perylene	4,600	ug/kg	400	8270C	12/23/06 02:53	ARH	191-24-2	XI
Chrysene	17,900	ug/kg	400	8270C	12/23/06 02:53	ARH	218-01-9	XI
Dibenzo(ah)anthracene	2,300	ug/kg	400	8270C	12/23/06 02:53	ARH	53-70-3	XI
Fluoranthene	31,900	ug/kg	400	8270C	12/23/06 02:53	ARH	206-44-0	XI
Fluorene	600	ug/kg	400	8270C	12/23/06 02:53	ARH	86-73-7	XI
Indeno(1,2,3-cd)pyrene	5,700	ug/kg	400	8270C	12/23/06 02:53	ARH	193-39-5	XI
Naphthalene	Not detected	ug/kg	400	8270C	12/23/06 02:53	ARH	91-20-3	XI
Phenanthrene	8,900	ug/kg	400	8270C	12/23/06 02:53	ARH	85-01-8	XI

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

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Lab Sample ID: S30082.08 (continued)
Sample Tag: SS2-27

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (Replicate 01) (continued)								
Pyrene	29,700	ug/kg	400	8270C	12/23/06 02:53	ARH	129-00-0	XI
2-Methylnaphthalene	Not detected	ug/kg	400	8270C	12/23/06 02:53	ARH	91-57-6	XI

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

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Analytical Laboratory Report

Lab Sample ID: S30082.09
Sample Tag: SS2-28
Collected Date/Time: 12/20/2006 10:20
Matrix: Soil
COC Reference: 035113

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
PNA Extraction	Completed			3550B	12/21/06 13:40	DLR		
Inorganics								
Total Solids	86	%	1	160.3	12/21/06 17:29	LBR		
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/22/06 12:36	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/22/06 12:36	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/22/06 12:36	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/22/06 12:36	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	12/22/06 12:36	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	12/22/06 12:36	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	12/22/06 12:36	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/22/06 12:36	ARH	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	12/22/06 12:36	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/22/06 12:36	ARH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	12/22/06 12:36	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/22/06 12:36	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/22/06 12:36	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/22/06 12:36	ARH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	12/22/06 12:36	ARH	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	12/22/06 12:36	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/22/06 12:36	ARH	91-57-6	

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Analytical Laboratory Report

Lab Sample ID: S30082.10
Sample Tag: SS2-29
Collected Date/Time: 12/20/2006 10:30
Matrix: Soil
COC Reference: 035113

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
PNA Extraction	Completed			3550B	12/21/06 13:40	DLR		
Inorganics								
Total Solids	81	%	1	160.3	12/21/06 17:29	LBR		
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	300	ug/kg	300	8270C	12/22/06 12:59	ARH	83-32-9	I
Acenaphthylene	Not detected	ug/kg	300	8270C	12/22/06 12:59	ARH	208-96-8	I
Anthracene	700	ug/kg	300	8270C	12/22/06 12:59	ARH	120-12-7	I
Benzo(a)anthracene	2,100	ug/kg	300	8270C	12/22/06 12:59	ARH	56-55-3	I
Benzo(a)pyrene	2,800	ug/kg	300	8270C	12/22/06 12:59	ARH	50-32-8	I
Benzo(b)fluoranthene	3,000	ug/kg	300	8270C	12/22/06 12:59	ARH	205-99-2	I
Benzo(k)fluoranthene	2,700	ug/kg	300	8270C	12/22/06 12:59	ARH	207-08-9	I
Benzo(ghi)perylene	900	ug/kg	300	8270C	12/22/06 12:59	ARH	191-24-2	I
Chrysene	2,600	ug/kg	300	8270C	12/22/06 12:59	ARH	218-01-9	I
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/22/06 12:59	ARH	53-70-3	I
Fluoranthene	5,100	ug/kg	300	8270C	12/22/06 12:59	ARH	206-44-0	I
Fluorene	Not detected	ug/kg	300	8270C	12/22/06 12:59	ARH	86-73-7	I
Indeno(1,2,3-cd)pyrene	1,000	ug/kg	300	8270C	12/22/06 12:59	ARH	193-39-5	I
Naphthalene	Not detected	ug/kg	300	8270C	12/22/06 12:59	ARH	91-20-3	I
Phenanthrene	2,900	ug/kg	300	8270C	12/22/06 12:59	ARH	85-01-8	I
Pyrene	4,700	ug/kg	300	8270C	12/22/06 12:59	ARH	129-00-0	I
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/22/06 12:59	ARH	91-57-6	I
Polynuclear Aromatics (Replicate 01)								
Acenaphthene	Not detected	ug/kg	300	8270C	12/22/06 23:28	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/22/06 23:28	ARH	208-96-8	
Anthracene	600	ug/kg	300	8270C	12/22/06 23:28	ARH	120-12-7	
Benzo(a)anthracene	1,800	ug/kg	300	8270C	12/22/06 23:28	ARH	56-55-3	
Benzo(a)pyrene	2,600	ug/kg	300	8270C	12/22/06 23:28	ARH	50-32-8	
Benzo(b)fluoranthene	2,600	ug/kg	300	8270C	12/22/06 23:28	ARH	205-99-2	
Benzo(k)fluoranthene	2,600	ug/kg	300	8270C	12/22/06 23:28	ARH	207-08-9	
Benzo(ghi)perylene	1,300	ug/kg	300	8270C	12/22/06 23:28	ARH	191-24-2	
Chrysene	2,600	ug/kg	300	8270C	12/22/06 23:28	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/22/06 23:28	ARH	53-70-3	
Fluoranthene	5,300	ug/kg	300	8270C	12/22/06 23:28	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/22/06 23:28	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	1,300	ug/kg	300	8270C	12/22/06 23:28	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/22/06 23:28	ARH	91-20-3	
Phenanthrene	3,000	ug/kg	300	8270C	12/22/06 23:28	ARH	85-01-8	
Pyrene	4,500	ug/kg	300	8270C	12/22/06 23:28	ARH	129-00-0	

I-Matrix interference with internal standard

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Analytical Laboratory Report

Lab Sample ID: S30082.10 (continued)
Sample Tag: SS2-29

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (Replicate 01) (continued)								
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/22/06 23:28	ARH	91-57-6	

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Analytical Laboratory Report

Lab Sample ID: S30082.11
Sample Tag: DUP-09
Collected Date/Time: 12/20/2006 :
Matrix: Soil
COC Reference: 035113

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/27/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/22/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/27/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/26/06 14:00	JRT		
Metal Digestion	Completed			3050B	12/27/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/21/06 13:40	DLR		
Inorganics								
Total Solids	86	%	1	160.3	12/22/06 10:30	JRT		
Metals								
% Coarse by Weight	88.7	%			12/22/06 10:30	JRT		
% Fine by Weight	11.3	%			12/22/06 10:30	JRT		
Arsenic	3.19	mg/kg	0.10	6020	12/27/06 16:56	SLS	7440-38-2	
Barium	40.0	mg/kg	1.0	6020	12/27/06 16:56	SLS	7440-39-3	
Cadmium	2.31	mg/kg	0.20	6020	12/27/06 16:56	SLS	7440-43-9	
Chromium	21.5	mg/kg	2.0	6020	12/27/06 16:56	SLS	7440-47-3	
Copper	17.7	mg/kg	1.0	6020	12/27/06 16:56	SLS	7440-50-8	
Lead, Coarse	62.2	mg/kg	1.0	6020	12/27/06 14:12	PER		
Lead, Fine	114	mg/kg	1.0	6020	12/27/06 14:40	PER		
Lead, Total Calculated	68.0	mg/kg	1.0	6020	12/27/06 15:00	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471A	12/26/06 16:16	JRT	7439-97-6	
Selenium	0.31	mg/kg	0.20	6020	12/27/06 16:56	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	12/27/06 16:56	SLS	7440-22-4	
Zinc	149	mg/kg	1.0	6020	12/27/06 16:56	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/22/06 13:21	ARH	83-32-9	I
Acenaphthylene	Not detected	ug/kg	300	8270C	12/22/06 13:21	ARH	208-96-8	I
Anthracene	Not detected	ug/kg	300	8270C	12/22/06 13:21	ARH	120-12-7	I
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/22/06 13:21	ARH	56-55-3	I
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	12/22/06 13:21	ARH	50-32-8	I
Benzo(b)fluoranthene	400	ug/kg	300	8270C	12/22/06 13:21	ARH	205-99-2	I
Benzo(k)fluoranthene	400	ug/kg	300	8270C	12/22/06 13:21	ARH	207-08-9	I
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/22/06 13:21	ARH	191-24-2	I
Chrysene	Not detected	ug/kg	300	8270C	12/22/06 13:21	ARH	218-01-9	I
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/22/06 13:21	ARH	53-70-3	I
Fluoranthene	400	ug/kg	300	8270C	12/22/06 13:21	ARH	206-44-0	I
Fluorene	Not detected	ug/kg	300	8270C	12/22/06 13:21	ARH	86-73-7	I
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/22/06 13:21	ARH	193-39-5	I
Naphthalene	Not detected	ug/kg	300	8270C	12/22/06 13:21	ARH	91-20-3	I

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Analytical Laboratory Report

Lab Sample ID: S30082.11 (continued)
Sample Tag: DUP-09

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Phenanthrene	Not detected	ug/kg	300	8270C	12/22/06 13:21	ARH	85-01-8	I
Pyrene	400	ug/kg	300	8270C	12/22/06 13:21	ARH	129-00-0	I
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/22/06 13:21	ARH	91-57-6	I
Polynuclear Aromatics (Replicate 01)								
Acenaphthene	Not detected	ug/kg	300	8270C	12/22/06 23:51	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/22/06 23:51	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/22/06 23:51	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/22/06 23:51	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	12/22/06 23:51	ARH	50-32-8	
Benzo(b)fluoranthene	400	ug/kg	300	8270C	12/22/06 23:51	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	12/22/06 23:51	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/22/06 23:51	ARH	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	12/22/06 23:51	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/22/06 23:51	ARH	53-70-3	
Fluoranthene	400	ug/kg	300	8270C	12/22/06 23:51	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/22/06 23:51	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/22/06 23:51	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/22/06 23:51	ARH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	12/22/06 23:51	ARH	85-01-8	
Pyrene	300	ug/kg	300	8270C	12/22/06 23:51	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/22/06 23:51	ARH	91-57-6	

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Analytical Laboratory Report

Lab Sample ID: S30082.12
Sample Tag: SS2-30
Collected Date/Time: 12/20/2006 10:45
Matrix: Soil
COC Reference: 035113

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/27/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/22/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/27/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/26/06 14:00	JRT		
Metal Digestion	Completed			3050B	12/27/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/21/06 13:40	DLR		
Inorganics								
Total Solids	85	%	1	160.3	12/22/06 10:30	JRT		
Metals								
% Coarse by Weight	88.6	%			12/22/06 10:30	JRT		
% Fine by Weight	11.4	%			12/22/06 10:30	JRT		
Arsenic	3.86	mg/kg	0.10	6020	12/27/06 16:59	SLS	7440-38-2	
Barium	40.4	mg/kg	1.0	6020	12/27/06 16:59	SLS	7440-39-3	
Cadmium	2.33	mg/kg	0.20	6020	12/27/06 16:59	SLS	7440-43-9	
Chromium	30.4	mg/kg	2.0	6020	12/27/06 16:59	SLS	7440-47-3	
Copper	23.9	mg/kg	1.0	6020	12/27/06 16:59	SLS	7440-50-8	
Lead, Coarse	69.7	mg/kg	1.0	6020	12/27/06 14:13	PER		
Lead, Fine	121	mg/kg	1.0	6020	12/27/06 14:41	PER		
Lead, Total Calculated	75.5	mg/kg	1.0	6020	12/27/06 15:00	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471A	12/26/06 16:17	JRT	7439-97-6	
Selenium	0.49	mg/kg	0.20	6020	12/27/06 16:59	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	12/27/06 16:59	SLS	7440-22-4	
Zinc	198	mg/kg	1.0	6020	12/27/06 16:59	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/23/06 00:14	ARH	83-32-9	I
Acenaphthylene	Not detected	ug/kg	300	8270C	12/23/06 00:14	ARH	208-96-8	I
Anthracene	Not detected	ug/kg	300	8270C	12/23/06 00:14	ARH	120-12-7	I
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/23/06 00:14	ARH	56-55-3	I
Benzo(a)pyrene	300	ug/kg	300	8270C	12/23/06 00:14	ARH	50-32-8	I
Benzo(b)fluoranthene	400	ug/kg	300	8270C	12/23/06 00:14	ARH	205-99-2	I
Benzo(k)fluoranthene	400	ug/kg	300	8270C	12/23/06 00:14	ARH	207-08-9	I
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/23/06 00:14	ARH	191-24-2	I
Chrysene	400	ug/kg	300	8270C	12/23/06 00:14	ARH	218-01-9	I
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/23/06 00:14	ARH	53-70-3	I
Fluoranthene	600	ug/kg	300	8270C	12/23/06 00:14	ARH	206-44-0	I
Fluorene	Not detected	ug/kg	300	8270C	12/23/06 00:14	ARH	86-73-7	I
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/23/06 00:14	ARH	193-39-5	I
Naphthalene	Not detected	ug/kg	300	8270C	12/23/06 00:14	ARH	91-20-3	I

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Analytical Laboratory Report

Lab Sample ID: S30082.12 (continued)
Sample Tag: SS2-30

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Phenanthrene	Not detected	ug/kg	300	8270C	12/23/06 00:14	ARH	85-01-8	I
Pyrene	600	ug/kg	300	8270C	12/23/06 00:14	ARH	129-00-0	I
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/23/06 00:14	ARH	91-57-6	I
Polynuclear Aromatics (Replicate 01)								
Acenaphthene	Not detected	ug/kg	300	8270C	12/27/06 20:06	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/27/06 20:06	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/27/06 20:06	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/27/06 20:06	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	12/27/06 20:06	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	12/27/06 20:06	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	12/27/06 20:06	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/27/06 20:06	ARH	191-24-2	
Chrysene	300	ug/kg	300	8270C	12/27/06 20:06	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/27/06 20:06	ARH	53-70-3	
Fluoranthene	500	ug/kg	300	8270C	12/27/06 20:06	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/27/06 20:06	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/27/06 20:06	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/27/06 20:06	ARH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	12/27/06 20:06	ARH	85-01-8	
Pyrene	400	ug/kg	300	8270C	12/27/06 20:06	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/27/06 20:06	ARH	91-57-6	

I-Matrix interference with internal standard

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Analytical Laboratory Report

Lab Sample ID: S30082.13
Sample Tag: SS2-31
Collected Date/Time: 12/20/2006 10:55
Matrix: Soil
COC Reference: 035111

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/27/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/22/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/27/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/26/06 14:00	JRT		
Metal Digestion	Completed			3050B	12/27/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/21/06 13:40	DLR		
Inorganics								
Total Solids	85	%	1	160.3	12/22/06 10:30	JRT		
Metals								
% Coarse by Weight	85.0	%			12/22/06 10:30	JRT		
% Fine by Weight	15.0	%			12/22/06 10:30	JRT		
Arsenic	2.68	mg/kg	0.10	6020	12/27/06 17:03	SLS	7440-38-2	
Barium	49.3	mg/kg	1.0	6020	12/27/06 17:03	SLS	7440-39-3	
Cadmium	1.60	mg/kg	0.20	6020	12/27/06 17:03	SLS	7440-43-9	
Chromium	18.2	mg/kg	2.0	6020	12/27/06 17:03	SLS	7440-47-3	
Copper	17.5	mg/kg	1.0	6020	12/27/06 17:03	SLS	7440-50-8	
Lead, Coarse	64.8	mg/kg	1.0	6020	12/27/06 14:14	PER		
Lead, Fine	118	mg/kg	1.0	6020	12/27/06 14:42	PER		
Lead, Total Calculated	72.7	mg/kg	1.0	6020	12/27/06 15:00	PER	7439-92-1C	
Mercury	Not detected	mg/kg	0.050	7471A	12/26/06 16:19	JRT	7439-97-6	
Selenium	0.46	mg/kg	0.20	6020	12/27/06 17:03	SLS	7782-49-2	
Silver	0.19	mg/kg	0.10	6020	12/27/06 17:03	SLS	7440-22-4	
Zinc	143	mg/kg	1.0	6020	12/27/06 17:03	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/23/06 00:37	ARH	83-32-9	I
Acenaphthylene	Not detected	ug/kg	300	8270C	12/23/06 00:37	ARH	208-96-8	I
Anthracene	Not detected	ug/kg	300	8270C	12/23/06 00:37	ARH	120-12-7	I
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/23/06 00:37	ARH	56-55-3	I
Benzo(a)pyrene	600	ug/kg	300	8270C	12/23/06 00:37	ARH	50-32-8	I
Benzo(b)fluoranthene	800	ug/kg	300	8270C	12/23/06 00:37	ARH	205-99-2	I
Benzo(k)fluoranthene	700	ug/kg	300	8270C	12/23/06 00:37	ARH	207-08-9	I
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/23/06 00:37	ARH	191-24-2	I
Chrysene	600	ug/kg	300	8270C	12/23/06 00:37	ARH	218-01-9	I
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/23/06 00:37	ARH	53-70-3	I
Fluoranthene	1,200	ug/kg	300	8270C	12/23/06 00:37	ARH	206-44-0	I
Fluorene	Not detected	ug/kg	300	8270C	12/23/06 00:37	ARH	86-73-7	I
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/23/06 00:37	ARH	193-39-5	I
Naphthalene	Not detected	ug/kg	300	8270C	12/23/06 00:37	ARH	91-20-3	I

I-Matrix interference with internal standard

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S30082.13 (continued)
Sample Tag: SS2-31

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Phenanthrene	500	ug/kg	300	8270C	12/23/06 00:37	ARH	85-01-8	I
Pyrene	1,100	ug/kg	300	8270C	12/23/06 00:37	ARH	129-00-0	I
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/23/06 00:37	ARH	91-57-6	I
Polynuclear Aromatics (Replicate 01)								
Acenaphthene	Not detected	ug/kg	300	8270C	12/27/06 20:29	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/27/06 20:29	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/27/06 20:29	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/27/06 20:29	ARH	56-55-3	
Benzo(a)pyrene	500	ug/kg	300	8270C	12/27/06 20:29	ARH	50-32-8	
Benzo(b)fluoranthene	600	ug/kg	300	8270C	12/27/06 20:29	ARH	205-99-2	
Benzo(k)fluoranthene	400	ug/kg	300	8270C	12/27/06 20:29	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/27/06 20:29	ARH	191-24-2	
Chrysene	600	ug/kg	300	8270C	12/27/06 20:29	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/27/06 20:29	ARH	53-70-3	
Fluoranthene	1,200	ug/kg	300	8270C	12/27/06 20:29	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/27/06 20:29	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/27/06 20:29	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/27/06 20:29	ARH	91-20-3	
Phenanthrene	500	ug/kg	300	8270C	12/27/06 20:29	ARH	85-01-8	
Pyrene	1,000	ug/kg	300	8270C	12/27/06 20:29	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/27/06 20:29	ARH	91-57-6	

I-Matrix interference with internal standard

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Analytical Laboratory Report

Lab Sample ID: S30082.14
Sample Tag: SS2-32
Collected Date/Time: 12/20/2006 11:10
Matrix: Soil
COC Reference: 035111

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/27/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/22/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/27/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/26/06 14:00	JRT		
Metal Digestion	Completed			3050B	12/27/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/21/06 13:40	DLR		
Inorganics								
Total Solids	79	%	1	160.3	12/22/06 10:30	JRT		
Metals								
% Coarse by Weight	90.9	%			12/22/06 10:30	JRT		
% Fine by Weight	9.1	%			12/22/06 10:30	JRT		
Arsenic	5.55	mg/kg	0.10	6020	12/27/06 16:33	SLS	7440-38-2	
Barium	89.9	mg/kg	1.0	6020	12/27/06 16:33	SLS	7440-39-3	
Cadmium	1.20	mg/kg	0.20	6020	12/27/06 16:33	SLS	7440-43-9	
Chromium	22.9	mg/kg	2.0	6020	12/27/06 16:33	SLS	7440-47-3	
Copper	42.3	mg/kg	1.0	6020	12/27/06 16:33	SLS	7440-50-8	
Lead, Coarse	95.4	mg/kg	1.0	6020	12/27/06 14:17	PER		
Lead, Fine	126	mg/kg	1.0	6020	12/27/06 14:43	PER		
Lead, Total Calculated	98.1	mg/kg	1.0	6020	12/27/06 15:00	PER	7439-92-1C	
Mercury	0.060	mg/kg	0.050	7471A	12/26/06 16:23	JRT	7439-97-6	
Selenium	0.68	mg/kg	0.20	6020	12/27/06 16:33	SLS	7782-49-2	
Silver	0.22	mg/kg	0.10	6020	12/27/06 16:33	SLS	7440-22-4	
Zinc	500	mg/kg	1.0	6020	12/27/06 16:33	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	8270C	12/23/06 00:59	ARH	83-32-9	I
Acenaphthylene	Not detected	ug/kg	300	8270C	12/23/06 00:59	ARH	208-96-8	I
Anthracene	Not detected	ug/kg	300	8270C	12/23/06 00:59	ARH	120-12-7	I
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/23/06 00:59	ARH	56-55-3	I
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	12/23/06 00:59	ARH	50-32-8	I
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	12/23/06 00:59	ARH	205-99-2	I
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	12/23/06 00:59	ARH	207-08-9	I
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/23/06 00:59	ARH	191-24-2	I
Chrysene	Not detected	ug/kg	300	8270C	12/23/06 00:59	ARH	218-01-9	I
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/23/06 00:59	ARH	53-70-3	I
Fluoranthene	Not detected	ug/kg	300	8270C	12/23/06 00:59	ARH	206-44-0	I
Fluorene	Not detected	ug/kg	300	8270C	12/23/06 00:59	ARH	86-73-7	I
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/23/06 00:59	ARH	193-39-5	I
Naphthalene	Not detected	ug/kg	300	8270C	12/23/06 00:59	ARH	91-20-3	I

I-Matrix interference with internal standard

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S30082.14 (continued)
Sample Tag: SS2-32

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Phenanthrene	Not detected	ug/kg	300	8270C	12/23/06 00:59	ARH	85-01-8	I
Pyrene	Not detected	ug/kg	300	8270C	12/23/06 00:59	ARH	129-00-0	I
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/23/06 00:59	ARH	91-57-6	I
Polynuclear Aromatics (Replicate 01)								
Acenaphthene	Not detected	ug/kg	300	8270C	12/27/06 20:52	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	12/27/06 20:52	ARH	208-96-8	
Anthracene	Not detected	ug/kg	300	8270C	12/27/06 20:52	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	12/27/06 20:52	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	12/27/06 20:52	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	12/27/06 20:52	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	12/27/06 20:52	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	12/27/06 20:52	ARH	191-24-2	
Chrysene	Not detected	ug/kg	300	8270C	12/27/06 20:52	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	12/27/06 20:52	ARH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	8270C	12/27/06 20:52	ARH	206-44-0	
Fluorene	Not detected	ug/kg	300	8270C	12/27/06 20:52	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	12/27/06 20:52	ARH	193-39-5	
Naphthalene	Not detected	ug/kg	300	8270C	12/27/06 20:52	ARH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	8270C	12/27/06 20:52	ARH	85-01-8	
Pyrene	Not detected	ug/kg	300	8270C	12/27/06 20:52	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	12/27/06 20:52	ARH	91-57-6	

I-Matrix interference with internal standard

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Aug 07, 2009 19:38

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Analytical Laboratory Report

Lab Sample ID: S30082.15
Sample Tag: SS2-32 MS
Collected Date/Time: 12/20/2006 11:10
Matrix: Soil
COC Reference: 035111

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/27/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/22/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/27/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/26/06 14:00	JRT		
Metal Digestion	Completed			3050B	12/27/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/21/06 13:40	DLR		
Inorganics								
Total Solids	79	%	1	160.3	12/22/06 10:30	JRT		
Metals								
% Coarse by Weight	90.0	%			12/22/06 10:30	JRT		
% Fine by Weight	10.0	%			12/22/06 10:30	JRT		
Arsenic	35.3	mg/kg	0.10	6020	12/27/06 16:36	SLS	7440-38-2	
Barium	119	mg/kg	1.0	6020	12/27/06 16:36	SLS	7440-39-3	
Cadmium	28.11	mg/kg	0.20	6020	12/27/06 16:36	SLS	7440-43-9	
Chromium	52.2	mg/kg	2.0	6020	12/27/06 16:36	SLS	7440-47-3	
Copper	70.1	mg/kg	1.0	6020	12/27/06 16:36	SLS	7440-50-8	
Lead, Coarse	139	mg/kg	1.0	6020	12/27/06 14:25	PER		
Lead, Fine	169	mg/kg	1.0	6020	12/27/06 14:44	PER		
Lead, Total Calculated	142	mg/kg	1.0	6020	12/27/06 15:00	PER	7439-92-1C	
Mercury	0.200	mg/kg	0.050	7471A	12/26/06 16:25	JRT	7439-97-6	
Selenium	28.9	mg/kg	0.20	6020	12/27/06 16:36	SLS	7782-49-2	
Silver	28.56	mg/kg	0.10	6020	12/27/06 16:36	SLS	7440-22-4	
Zinc	520	mg/kg	1.0	6020	12/27/06 16:36	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	1,400	ug/kg	300	8270C	12/23/06 01:22	ARH	83-32-9	I1
Acenaphthylene	1,300	ug/kg	300	8270C	12/23/06 01:22	ARH	208-96-8	I1
Anthracene	1,400	ug/kg	300	8270C	12/23/06 01:22	ARH	120-12-7	I1
Benzo(a)anthracene	1,300	ug/kg	300	8270C	12/23/06 01:22	ARH	56-55-3	I1
Benzo(a)pyrene	1,800	ug/kg	300	8270C	12/23/06 01:22	ARH	50-32-8	I1
Benzo(b)fluoranthene	2,300	ug/kg	300	8270C	12/23/06 01:22	ARH	205-99-2	I1
Benzo(k)fluoranthene	2,300	ug/kg	300	8270C	12/23/06 01:22	ARH	207-08-9	I1
Benzo(ghi)perylene	700	ug/kg	300	8270C	12/23/06 01:22	ARH	191-24-2	I1
Chrysene	1,600	ug/kg	300	8270C	12/23/06 01:22	ARH	218-01-9	I1
Dibenzo(ah)anthracene	900	ug/kg	300	8270C	12/23/06 01:22	ARH	53-70-3	I1
Fluoranthene	1,900	ug/kg	300	8270C	12/23/06 01:22	ARH	206-44-0	I1
Fluorene	1,400	ug/kg	300	8270C	12/23/06 01:22	ARH	86-73-7	I1
Indeno(1,2,3-cd)pyrene	900	ug/kg	300	8270C	12/23/06 01:22	ARH	193-39-5	I1
Naphthalene	1,300	ug/kg	300	8270C	12/23/06 01:22	ARH	91-20-3	I1

I-Matrix interference with internal standard 1-Dry Weight Spike: 2.3 mg/kg

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S30082.15 (continued)
Sample Tag: SS2-32 MS

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Phenanthrene	1,500	ug/kg	300	8270C	12/23/06 01:22	ARH	85-01-8	I1
Pyrene	1,900	ug/kg	300	8270C	12/23/06 01:22	ARH	129-00-0	I1
2-Methylnaphthalene	1,400	ug/kg	300	8270C	12/23/06 01:22	ARH	91-57-6	I1
Polynuclear Aromatics (Replicate 01)								
Acenaphthene	1,300	ug/kg	300	8270C	12/27/06 21:14	ARH	83-32-9	1
Acenaphthylene	1,300	ug/kg	300	8270C	12/27/06 21:14	ARH	208-96-8	1
Anthracene	1,300	ug/kg	300	8270C	12/27/06 21:14	ARH	120-12-7	1
Benzo(a)anthracene	1,000	ug/kg	300	8270C	12/27/06 21:14	ARH	56-55-3	1
Benzo(a)pyrene	1,500	ug/kg	300	8270C	12/27/06 21:14	ARH	50-32-8	1
Benzo(b)fluoranthene	1,600	ug/kg	300	8270C	12/27/06 21:14	ARH	205-99-2	1
Benzo(k)fluoranthene	1,600	ug/kg	300	8270C	12/27/06 21:14	ARH	207-08-9	1
Benzo(ghi)perylene	800	ug/kg	300	8270C	12/27/06 21:14	ARH	191-24-2	1
Chrysene	1,500	ug/kg	300	8270C	12/27/06 21:14	ARH	218-01-9	1
Dibenzo(ah)anthracene	900	ug/kg	300	8270C	12/27/06 21:14	ARH	53-70-3	1
Fluoranthene	1,800	ug/kg	300	8270C	12/27/06 21:14	ARH	206-44-0	1
Fluorene	1,300	ug/kg	300	8270C	12/27/06 21:14	ARH	86-73-7	1
Indeno(1,2,3-cd)pyrene	1,000	ug/kg	300	8270C	12/27/06 21:14	ARH	193-39-5	1
Naphthalene	1,300	ug/kg	300	8270C	12/27/06 21:14	ARH	91-20-3	1
Phenanthrene	1,400	ug/kg	300	8270C	12/27/06 21:14	ARH	85-01-8	1
Pyrene	1,800	ug/kg	300	8270C	12/27/06 21:14	ARH	129-00-0	1
2-Methylnaphthalene	1,400	ug/kg	300	8270C	12/27/06 21:14	ARH	91-57-6	1

I-Matrix interference with internal standard 1-Dry Weight Spike: 2.11 mg/kg

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S30082.16
Sample Tag: SS2-32 MSD
Collected Date/Time: 12/20/2006 11:10
Matrix: Soil
COC Reference: 035111

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Lead, Coarse Digestion	Completed			3050B	12/27/06 12:00	PER		
Lead, Fine and Coarse Prep	Completed			3050B	12/22/06 10:30	JRT		
Lead, Fine Digestion	Completed			3050B	12/27/06 12:00	PER		
Mercury Digestion	Completed			7471A	12/26/06 14:00	JRT		
Metal Digestion	Completed			3050B	12/27/06 12:00	SLS		
PNA Extraction	Completed			3550B	12/21/06 13:40	DLR		
Inorganics								
Total Solids	79	%	1	160.3	12/22/06 10:30	JRT		
Metals								
% Coarse by Weight	91.0	%			12/22/06 10:30	JRT		
% Fine by Weight	9.0	%			12/22/06 10:30	JRT		
Arsenic	35.5	mg/kg	0.10	6020	12/27/06 16:40	SLS	7440-38-2	
Barium	119	mg/kg	1.0	6020	12/27/06 16:40	SLS	7440-39-3	
Cadmium	28.01	mg/kg	0.20	6020	12/27/06 16:40	SLS	7440-43-9	
Chromium	52.6	mg/kg	2.0	6020	12/27/06 16:40	SLS	7440-47-3	
Copper	69.1	mg/kg	1.0	6020	12/27/06 16:40	SLS	7440-50-8	
Lead, Coarse	140	mg/kg	1.0	6020	12/27/06 14:26	PER		
Lead, Fine	167	mg/kg	1.0	6020	12/27/06 14:45	PER		
Lead, Total Calculated	142	mg/kg	1.0	6020	12/27/06 15:00	PER	7439-92-1C	
Mercury	0.202	mg/kg	0.050	7471A	12/26/06 16:28	JRT	7439-97-6	
Selenium	29.0	mg/kg	0.20	6020	12/27/06 16:40	SLS	7782-49-2	
Silver	28.38	mg/kg	0.10	6020	12/27/06 16:40	SLS	7440-22-4	
Zinc	518	mg/kg	1.0	6020	12/27/06 16:40	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	1,500	ug/kg	300	8270C	12/23/06 01:45	ARH	83-32-9	1I
Acenaphthylene	1,500	ug/kg	300	8270C	12/23/06 01:45	ARH	208-96-8	1I
Anthracene	1,500	ug/kg	300	8270C	12/23/06 01:45	ARH	120-12-7	1I
Benzo(a)anthracene	1,400	ug/kg	300	8270C	12/23/06 01:45	ARH	56-55-3	1I
Benzo(a)pyrene	1,800	ug/kg	300	8270C	12/23/06 01:45	ARH	50-32-8	1I
Benzo(b)fluoranthene	2,300	ug/kg	300	8270C	12/23/06 01:45	ARH	205-99-2	1I
Benzo(k)fluoranthene	2,200	ug/kg	300	8270C	12/23/06 01:45	ARH	207-08-9	1I
Benzo(ghi)perylene	700	ug/kg	300	8270C	12/23/06 01:45	ARH	191-24-2	1I
Chrysene	1,700	ug/kg	300	8270C	12/23/06 01:45	ARH	218-01-9	1I
Dibenzo(ah)anthracene	900	ug/kg	300	8270C	12/23/06 01:45	ARH	53-70-3	1I
Fluoranthene	1,900	ug/kg	300	8270C	12/23/06 01:45	ARH	206-44-0	1I
Fluorene	1,500	ug/kg	300	8270C	12/23/06 01:45	ARH	86-73-7	1I
Indeno(1,2,3-cd)pyrene	900	ug/kg	300	8270C	12/23/06 01:45	ARH	193-39-5	1I
Naphthalene	1,500	ug/kg	300	8270C	12/23/06 01:45	ARH	91-20-3	1I

1-Dry Weight Spike: 2.11 mg/kg I-Matrix interference with internal Standard

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S30082.16 (continued)
Sample Tag: SS2-32 MSD

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Phenanthrene	1,600	ug/kg	300	8270C	12/23/06 01:45	ARH	85-01-8	1I
Pyrene	2,000	ug/kg	300	8270C	12/23/06 01:45	ARH	129-00-0	1I
2-Methylnaphthalene	1,600	ug/kg	300	8270C	12/23/06 01:45	ARH	91-57-6	1I
Polynuclear Aromatics (Replicate 01)								
Acenaphthene	1,300	ug/kg	300	8270C	12/27/06 21:37	ARH	83-32-9	1
Acenaphthylene	1,300	ug/kg	300	8270C	12/27/06 21:37	ARH	208-96-8	1
Anthracene	1,300	ug/kg	300	8270C	12/27/06 21:37	ARH	120-12-7	1
Benzo(a)anthracene	900	ug/kg	300	8270C	12/27/06 21:37	ARH	56-55-3	1
Benzo(a)pyrene	1,300	ug/kg	300	8270C	12/27/06 21:37	ARH	50-32-8	1
Benzo(b)fluoranthene	1,600	ug/kg	300	8270C	12/27/06 21:37	ARH	205-99-2	1
Benzo(k)fluoranthene	1,500	ug/kg	300	8270C	12/27/06 21:37	ARH	207-08-9	1
Benzo(ghi)perylene	700	ug/kg	300	8270C	12/27/06 21:37	ARH	191-24-2	1
Chrysene	1,500	ug/kg	300	8270C	12/27/06 21:37	ARH	218-01-9	1
Dibenzo(ah)anthracene	900	ug/kg	300	8270C	12/27/06 21:37	ARH	53-70-3	1
Fluoranthene	1,600	ug/kg	300	8270C	12/27/06 21:37	ARH	206-44-0	1
Fluorene	1,300	ug/kg	300	8270C	12/27/06 21:37	ARH	86-73-7	1
Indeno(1,2,3-cd)pyrene	900	ug/kg	300	8270C	12/27/06 21:37	ARH	193-39-5	1
Naphthalene	1,300	ug/kg	300	8270C	12/27/06 21:37	ARH	91-20-3	1
Phenanthrene	1,400	ug/kg	300	8270C	12/27/06 21:37	ARH	85-01-8	1
Pyrene	1,700	ug/kg	300	8270C	12/27/06 21:37	ARH	129-00-0	1
2-Methylnaphthalene	1,400	ug/kg	300	8270C	12/27/06 21:37	ARH	91-57-6	1

1-Dry Weight Spike: 2.11 mg/kg I-Matrix interference with internal standard

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Analytical Laboratory Report

Lab Sample ID: S30082.17
Sample Tag: SS2-33
Collected Date/Time: 12/20/2006 11:20
Matrix: Soil
COC Reference: 035111

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				12/20/06 16:00	PCS		

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Analytical Laboratory Report

Lab Sample ID: S30082.18
Sample Tag: SS2-34
Collected Date/Time: 12/20/2006 11:30
Matrix: Soil
COC Reference: 035111

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				12/20/06 16:00	PCS		

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Analytical Laboratory Report

Lab Sample ID: S30082.19
Sample Tag: SS2-35
Collected Date/Time: 12/20/2006 11:40
Matrix: Soil
COC Reference: 035111

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz. Glass	None	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				12/20/06 16:00	PCS		

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Analytical Laboratory Report

Lab Sample ID: S30082.20
Sample Tag: EB-06
Collected Date/Time: 12/20/2006 12:00
Matrix: Liquid
COC Reference: 035111

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Amber	None	Yes	4.5	IR
1	125ml Plastic	HNO3	Yes	4.5	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Mercury Digestion	Completed			7470A	12/21/06 11:30	JRT		
Metal Digestion	Completed			3015A	12/27/06 12:00	SLS		
PNA Extraction	Completed			3510C	12/20/06 20:18	EMR		
Metals								
Arsenic	Not detected	mg/L	0.001	200.8	12/27/06 14:48	SLS	7440-38-2	
Barium	Not detected	mg/L	0.01	200.8	12/27/06 14:48	SLS	7440-39-3	
Cadmium	Not detected	mg/L	0.0005	200.8	12/27/06 14:48	SLS	7440-43-9	
Chromium	Not detected	mg/L	0.005	200.8	12/27/06 14:48	SLS	7440-47-3	
Copper	Not detected	mg/L	0.004	200.8	12/27/06 14:48	SLS	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	12/27/06 14:48	SLS	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	12/21/06 15:12	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	12/27/06 14:48	SLS	7782-49-2	
Silver	Not detected	mg/L	0.0002	200.8	12/27/06 14:48	SLS	7440-22-4	
Zinc	Not detected	mg/L	0.005	200.8	12/27/06 14:48	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatic Hydrocarbon								
Acenaphthene	Not detected	ug/L	5	8270C	12/21/06 22:01	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	5	8270C	12/21/06 22:01	ARH	208-96-8	
Anthracene	Not detected	ug/L	5	8270C	12/21/06 22:01	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	5	8270C	12/21/06 22:01	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	5	8270C	12/21/06 22:01	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	5	8270C	12/21/06 22:01	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	5	8270C	12/21/06 22:01	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	5	8270C	12/21/06 22:01	ARH	191-24-2	
Chrysene	Not detected	ug/L	5	8270C	12/21/06 22:01	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	5	8270C	12/21/06 22:01	ARH	53-70-3	
Fluoranthene	Not detected	ug/L	5	8270C	12/21/06 22:01	ARH	206-44-0	
Fluorene	Not detected	ug/L	5	8270C	12/21/06 22:01	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	5	8270C	12/21/06 22:01	ARH	193-39-5	
Naphthalene	Not detected	ug/L	5	8270C	12/21/06 22:01	ARH	91-20-3	
Phenanthrene	Not detected	ug/L	5	8270C	12/21/06 22:01	ARH	85-01-8	
Pyrene	Not detected	ug/L	5	8270C	12/21/06 22:01	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	8270C	12/21/06 22:01	ARH	91-57-6	

Appendix D

Ground Water Analytical Results

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Analytical Laboratory Report

Supplemental Report

Report ID: S29247.01(02)
Generated on 11/06/2006
Replaces report S29247.01(01) generated on 11/01/2006

Report to

Attention: Mr. Clifford Yantz
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057

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): S29247.01-S29247.19
Project: GM MFD Grand Blanc
Submitted Date/Time: 10/24/2006 15:15
Sampled by: Mike Robison
P.O. #: 10610474EST

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.

Violetta F. Murshak
Laboratory Director

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Sample Summary (19 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S29247.01	SB1-01-10	Soil	10/23/2006 09:45
S29247.02	SB1-02-04	Soil	10/23/2006 10:00
S29247.03	SB1-03-10	Soil	10/23/2006 10:40
S29247.04	DUP-01	Soil	10/23/2006
S29247.05	SB2-01-04	Soil	10/23/2006 11:20
S29247.06	SB2-02-04	Soil	10/23/2006 11:45
S29247.07	SB2-02-GW	Groundwater	10/23/2006 12:10
S29247.08	SB2-03-10	Soil	10/23/2006 14:40
S29247.09	SB2-07-10	Soil	10/23/2006 15:05
S29247.10	SB2-06-10	Soil	10/23/2006 16:40
S29247.11	SB2-13-04	Soil	10/24/2006 08:45
S29247.12	SB2-12-04	Soil	10/24/2006 09:05
S29247.13	SB2-12-04 MS	Soil	10/24/2006 09:05
S29247.14	SB2-12-04 MSD	Soil	10/24/2006 09:05
S29247.15	EB-01	Liquid	10/24/2006 09:30
S29247.16	TB-01	Liquid	10/24/2006
S29247.17	SS2-01	Soil	10/24/2006 10:40
S29247.18	SS2-02	Soil	10/24/2006 10:45
S29247.19	SB2-09-04	Soil	10/24/2006 11:25

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.07
Sample Tag: SB2-02-GW
Collected Date/Time: 10/23/2006 12:10
Matrix: Groundwater
COC Reference: 038404

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	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	10/26/06 16:43	DLR		
Extraction, PCB	Completed			3510C	10/27/06 15:07	TAS		
Mercury Digestion	Completed			7470A	10/25/06 09:00	JRT		
Metal Digestion	Completed			3015A	10/27/06 12:00	SLS		
Metals								
Arsenic, Dissolved	0.005	mg/L	0.001	200.8	10/27/06 12:51	SLS	7440-38-2	
Barium, Dissolved	0.09	mg/L	0.01	200.8	10/27/06 12:51	SLS	7440-39-3	
Cadmium, Dissolved	Not detected	mg/L	0.0005	200.8	10/27/06 12:51	SLS	7440-43-9	
Chromium, Dissolved	Not detected	mg/L	0.005	200.8	10/27/06 12:51	SLS	7440-47-3	
Copper, Dissolved	Not detected	mg/L	0.004	200.8	10/27/06 12:51	SLS	7440-50-8	
Lead, Dissolved	Not detected	mg/L	0.003	200.8	10/27/06 12:51	SLS	7439-92-1	
Mercury, Dissolved	Not detected	mg/L	0.0002	245.1M	10/26/06 14:36	JRT	7439-97-6	
Selenium, Dissolved	Not detected	mg/L	0.005	200.8	10/27/06 12:51	SLS	7782-49-2	
Silver, Dissolved	0.0002	mg/L	0.0002	200.8	10/27/06 12:51	SLS	7440-22-4	
Zinc, Dissolved	0.007	mg/L	0.005	200.8	10/27/06 12:51	SLS	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/L	0.1	8082	10/27/06 14:50	JANB	12674-11-2	
PCB-1242	Not detected	ug/L	0.1	8082	10/27/06 14:50	JANB	53469-21-9	
PCB-1221	Not detected	ug/L	0.1	8082	10/27/06 14:50	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	8082	10/27/06 14:50	JANB	11141-16-5	
PCB-1248	Not detected	ug/L	0.1	8082	10/27/06 14:50	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	8082	10/27/06 14:50	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	8082	10/27/06 14:50	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/L	0.1	8082	10/27/06 14:50	JANB	12674-11-2	
PCB-1242	Not detected	ug/L	0.1	8082	10/27/06 14:50	JANB	53469-21-9	
PCB-1221	Not detected	ug/L	0.1	8082	10/27/06 14:50	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	8082	10/27/06 14:50	JANB	11141-16-5	
PCB-1248	Not detected	ug/L	0.1	8082	10/27/06 14:50	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	8082	10/27/06 14:50	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	8082	10/27/06 14:50	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	10/27/06 18:59	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	10/27/06 18:59	ARH	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	98-86-2	

Lab Sample ID: S29247.07 (continued)
Sample Tag: SB2-02-GW

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Anthracene	Not detected	ug/L	2	8270C	10/27/06 18:59	ARH	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	101-55-3	
di-n-Butyl phthalate	7	ug/L	5	8270C	10/27/06 18:59	ARH	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	10/27/06 18:59	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	10/27/06 18:59	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	10/27/06 18:59	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	10/27/06 18:59	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	10/27/06 18:59	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	10/27/06 18:59	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	10/27/06 18:59	ARH	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	10/27/06 18:59	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	108-60-1	
Chrysene	Not detected	ug/L	2	8270C	10/27/06 18:59	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	10/27/06 18:59	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	10/27/06 18:59	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	10/27/06 18:59	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	10/27/06 18:59	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	10/27/06 18:59	ARH	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	10/27/06 18:59	ARH	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	10/27/06 18:59	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	10/27/06 18:59	ARH	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	10/27/06 18:59	ARH	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/L	20	8270C	10/27/06 18:59	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	10/27/06 18:59	ARH	99-09-2	

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.07 (continued)
Sample Tag: SB2-02-GW

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
4-Nitroaniline	Not detected	ug/L	20	8270C	10/27/06 18:59	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	10/27/06 18:59	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	10/27/06 18:59	ARH	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	10/27/06 18:59	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	10/27/06 18:59	ARH	85-01-8	
Phenol	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	10/27/06 18:59	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	10/27/06 18:59	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 8260								
Acetone	Not detected	ug/L	20	8260B	10/31/06 17:31	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	10/31/06 17:31	JGH	78-93-3	
Benzene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	10/31/06 17:31	JGH	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	10/31/06 17:31	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	74-87-3	
Cyclohexane	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	100-41-4	
2-Hexanone	Not detected	ug/L	50	8260B	10/31/06 17:31	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	10/31/06 17:31	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	10/31/06 17:31	JGH	108-10-1	

Lab Sample ID: S29247.07 (continued)
Sample Tag: SB2-02-GW

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	10/31/06 17:31	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	10/31/06 17:31	JGH	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	10/31/06 17:31	JGH	75-09-2	
Styrene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	10/31/06 17:31	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	10/31/06 17:31	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	108-88-3	
Trichloroethene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	10/31/06 17:31	JGH		

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Shane Noreen
LFR
Aug 07, 2009 19:38

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Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.15
Sample Tag: EB-01
Collected Date/Time: 10/24/2006 09:30
Matrix: Liquid
COC Reference: 038405

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	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	10/26/06 16:43	DLR		
Extraction, PCB	Completed			3510C	10/27/06 15:07	TAS		
Mercury Digestion	Completed			7470A	10/25/06 09:00	JRT		
Metal Digestion	Completed			3015A	10/27/06 12:00	SLS		
Metals								
Arsenic	Not detected	mg/L	0.001	200.8	10/27/06 12:41	SLS	7440-38-2	
Barium	Not detected	mg/L	0.01	200.8	10/27/06 12:41	SLS	7440-39-3	
Cadmium	Not detected	mg/L	0.0005	200.8	10/27/06 12:41	SLS	7440-43-9	
Chromium	Not detected	mg/L	0.005	200.8	10/27/06 12:41	SLS	7440-47-3	
Copper	Not detected	mg/L	0.004	200.8	10/27/06 12:41	SLS	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	10/27/06 12:41	SLS	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	10/26/06 14:20	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	10/27/06 12:41	SLS	7782-49-2	
Silver	Not detected	mg/L	0.0002	200.8	10/27/06 12:41	SLS	7440-22-4	
Zinc	Not detected	mg/L	0.005	200.8	10/27/06 12:41	SLS	7440-66-6	
Organics - PCBs/Pesticides								
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	12674-11-2	
PCB-1242	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	53469-21-9	
PCB-1221	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	11141-16-5	
PCB-1248	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	12674-11-2	
PCB-1242	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	53469-21-9	
PCB-1221	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	11141-16-5	
PCB-1248	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	8082	10/27/06 15:02	JANB	11096-82-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	83-32-9	I
Acenaphthylene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	208-96-8	I

I-Matrix interference with internal standard

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.15 (continued)
Sample Tag: EB-01

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Acetophenone	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	98-86-2	I
Anthracene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	120-12-7	I
Atrazine	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	1912-24-9	I
1,1'-Biphenyl	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	92-52-4	I
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	101-55-3	I
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	84-74-2	I
Benzaldehyde	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	100-52-7	I
Benzo(a)anthracene	Not detected	ug/L	1	8270C	10/27/06 19:34	ARH	56-55-3	I
Benzo(a)pyrene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	50-32-8	I
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	205-99-2	I
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	191-24-2	I
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	207-08-9	I
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	85-68-7	I
2-Chloronaphthalene	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	91-58-7	I
2-Chlorophenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	95-57-8	I
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	59-50-7	I
4-Chloroaniline	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	106-47-8	I
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	7005-72-3	I
Caprolactam	Not detected	ug/L	10	8270C	10/27/06 19:34	ARH	105-60-2	I
Carbazole	Not detected	ug/L	10	8270C	10/27/06 19:34	ARH	86-74-8	I
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	111-91-1	I
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	111-44-4	I
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	108-60-1	I
Chrysene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	218-01-9	I
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	10/27/06 19:34	ARH	120-83-2	I
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	105-67-9	I
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	51-28-5	I
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	121-14-2	I
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	606-20-2	I
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	91-94-1	I
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	534-52-1	I
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	53-70-3	I
Dibenzofuran	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	132-64-9	I
Diethyl phthalate	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	84-66-2	I
Dimethyl phthalate	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	131-11-3	I
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	117-81-7	I
Fluoranthene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	206-44-0	I
Fluorene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	86-73-7	I
Hexachlorobenzene	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	118-74-1	I
Hexachlorobutadiene	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	87-68-3	I
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	77-47-4	I
Hexachloroethane	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	67-72-1	I
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	193-39-5	I
Isophorone	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	78-59-1	I
2-Methylnaphthalene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	91-57-6	I
2-Methylphenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	95-48-7	I
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	108-39-4	I
2-Nitroaniline	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	88-74-4	I

I-Matrix interference with internal standard

Lab Sample ID: S29247.15 (continued)
Sample Tag: EB-01

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2-Nitrophenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	88-75-5	I
3-Nitroaniline	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	99-09-2	I
4-Nitroaniline	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	100-01-6	I
4-Nitrophenol	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	100-02-7	I
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	621-64-7	I
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	86-30-6	I
Naphthalene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	91-20-3	I
Nitrobenzene	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	98-95-3	I
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	117-84-0	I
Pentachlorophenol	Not detected	ug/L	20	8270C	10/27/06 19:34	ARH	87-86-5	I
Phenanthrene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	85-01-8	I
Phenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	108-95-2	I
Pyrene	Not detected	ug/L	2	8270C	10/27/06 19:34	ARH	129-00-0	I
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	95-95-4	I
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	10/27/06 19:34	ARH	88-06-2	I
TCL Semi-Volatile Organics (Replicate 01)								
Acenaphthene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	10/31/06 16:18	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	10/31/06 16:18	ARH	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	10/31/06 16:18	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	108-60-1	
Chrysene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	10/31/06 16:18	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	606-20-2	

I-Matrix interference with internal standard

Lab Sample ID: S29247.15 (continued)
Sample Tag: EB-01

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (Replicate 01) (continued)								
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	10/31/06 16:18	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	85-01-8	
Phenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	10/31/06 16:18	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	10/31/06 16:18	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 8260								
Acetone	Not detected	ug/L	20	8260B	10/31/06 17:49	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	10/31/06 17:49	JGH	78-93-3	
Benzene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	10/31/06 17:49	JGH	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	10/31/06 17:49	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	75-00-3	
Chloroform	4	ug/L	1	8260B	10/31/06 17:49	JGH	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	74-87-3	

Lab Sample ID: S29247.15 (continued)
Sample Tag: EB-01

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Cyclohexane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	10061-01-5	
Dibromochloromethane	3	ug/L	1	8260B	10/31/06 17:49	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	100-41-4	
2-Hexanone	Not detected	ug/L	10	8260B	10/31/06 17:49	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	10/31/06 17:49	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	10/31/06 17:49	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	3	8260B	10/31/06 17:49	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	10/31/06 17:49	JGH	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	10/31/06 17:49	JGH	75-09-2	
Styrene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	10/31/06 17:49	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	10/31/06 17:49	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	108-88-3	
Trichloroethene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	10/31/06 17:49	JGH		

Confidential under FOIA
Shane Noreen
LFR
Aug 07, 2009 19:38

Merit Laboratories, Inc.

Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S29247.16
Sample Tag: TB-01
Collected Date/Time: 10/24/2006 :
Matrix: Liquid
COC Reference: 038405

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	4.7	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	10/31/06 18:08	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	10/31/06 18:08	JGH	78-93-3	
Benzene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	10/31/06 18:08	JGH	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	10/31/06 18:08	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	74-87-3	
Cyclohexane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	100-41-4	
2-Hexanone	Not detected	ug/L	50	8260B	10/31/06 18:08	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	10/31/06 18:08	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	10/31/06 18:08	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	10/31/06 18:08	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	10/31/06 18:08	JGH	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	10/31/06 18:08	JGH	75-09-2	
Styrene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	10/31/06 18:08	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	10/31/06 18:08	JGH	120-82-1	

Lab Sample ID: S29247.16 (continued)
Sample Tag: TB-01

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	10/31/06 18:08	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	108-88-3	
Trichloroethene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	10/31/06 18:08	JGH		

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www.meritlabs.com

C.O.C. PAGE # 1 OF 2

038404

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yantz
COMPANY: O'Brien & Gere
ADDRESS: 33469 W 14 Mile
CITY: Farmington Hills STATE: MI ZIP CODE: 48331
PHONE NO.: 248-661-3745 FAX NO.: P.O. NO.: 37404
E-MAIL ADDRESS: QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: GM MFD GRAND BLANC
SAMPLER(S) - PLEASE PRINT/SIGN NAME: MIKE ROBISON

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES: FOR LEAD ANALYSIS ANALYZE FINE & COARSE FRACTIONS FOR ALL SOIL SAMPLES

MERIT LAB NO.	YEAR 2006 DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF CONTAINERS	NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	SVOCs	PCBs	MI 10 Metals	
29247.01	10/23	0945	SB1-01-6	S	2	1					1		X	X	X	X	8-10'
.02		10:00	SB1-02-04	S	2	1					1		X	X	X	X	2-4'
.03		10:40	SB1-03-10	S	2	1					1		X	X	X	X	8'-10'
.04		—	DUP-01	S	2	1					1		X	X	X	X	—
.05		11:20	SB2-01-04	S	2	1					1		X	X	X	X	2'-4'
.06		11:45	SB2-02-04	S	2	1					1		X	X	X	X	2-4'
.07		17:10	SB2-02-GW	GW	5	2	2	1					X	X	X	X	GW
.08		14:40	SB2-03-10	S	2	1					1		X	X	X	X	8'-10'
.09		15:05	SB2-07-10	S	2	1					1		X	X	X	X	8'-10'
.10		16:40	SB2-06-10	S	2	1					1		X	X	X	X	8-10'
.11	10/24	08:45	SB2-13-04	S	2	1					1		X	X	X	X	2-4'
.12	10/24	09:05	SB2-12-04	S	2	1					1		X	X	X	X	2'-4'

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Mark	10/24/06	11:50
RECEIVED BY: SIGNATURE/ORGANIZATION	Mark	10-24-06	11:50
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Mark	10-24-6	15:15
RECEIVED BY: SIGNATURE/ORGANIZATION	Barbara Richardson	DATE 10-24-06	TIME 15:15

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS
SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS

NOTES: TEMP. ON ARRIVAL 4.7

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 2 OF 2

038405

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: CLIFF YANTZ
COMPANY: OBRIEN & GERE
ADDRESS: 33469 W. 14 MILE RD SUITE 150
CITY: FARMINGTON HILLS STATE: MI ZIP CODE: 48331
PHONE NO.: 248 661 3745 FAX NO.: 248 661 4057 P.O. NO.: 37404
E-MAIL ADDRESS: QUOTE NO.:

INVOICE TO

CONTACT NAME: SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: GM MFD GRAND BLANC
SAMPLER(S) - PLEASE PRINT/SIGN NAME: MIKE ROBISON

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES: FOR LEAD ANALYSIS (SOIL), ANALYZE FINE & COARSE FRACTIONS FOR ALL SAMPLES

MERIT LAB NO.	2006 YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs	SVOCs	PCBs	MI "10" METALS	SPECIAL INSTRUCTIONS/NOTES
29247.13/.14	10/24	09:05	SB2-12-04 (MS/MSD)	S	2	1				1			X	X	X	X	2'-4'
.15		09:30	EB-01	L	5	2	1						X	X	X	X	—
.16		—	TB-01	L	1		1						X	X	X	X	—
.17		10:40	SS2-01	S	2	1				1			X	X	X	X	
.18		10:45	SS2-02	S	2	1				1			X	X	X	X	
.19	↓	11:25	SB2-09-04	S	2	1				1			X	X	X	X	2'-4'

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Merit	10/24/06	11:30
RECEIVED BY: SIGNATURE/ORGANIZATION	Merit	10-24-06	
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Merit	10-24-06	15:15
RECEIVED BY: SIGNATURE/ORGANIZATION	Barbara Richardson	DATE 10-24-06	TIME 15:15

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS
SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS

NOTES: TEMP. ON ARRIVAL 4.7

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S29928.01(01)
Generated on 12/18/2006

Report to

Attention: Mr. Clifford Yantz
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057

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): S29928.01-S29928.33
Project: GM MFD Grand Blanc
Collected Date: 12/07/2006 - 12/08/2006
Submitted Date/Time: 12/08/2006 16:15
Sampled by: Mike Robison
P.O. #: 10610474EST

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.

Violetta F. Murshak
Laboratory Director

Merit Laboratories, Inc.

Analytical Laboratory Report

Sample Summary (33 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S29928.01	SS3-01	Soil	12/07/2006 09:15
S29928.02	SS3-01 MS	Soil	12/07/2006 09:15
S29928.03	SS3-01 MSD	Soil	12/07/2006 09:15
S29928.04	SS5-01	Soil	12/07/2006 09:30
S29928.05	Dup-07	Soil	12/07/2006
S29928.06	SS5-02	Soil	12/07/2006 09:50
S29928.07	SS5-03	Soil	12/07/2006 10:00
S29928.08	SS4-06	Soil	12/07/2006 10:15
S29928.09	SS4-07	Soil	12/07/2006 10:25
S29928.10	SS4-08	Soil	12/07/2006 10:40
S29928.11	SS2-14	Soil	12/07/2006 11:00
S29928.12	SS2-15	Soil	12/07/2006 11:10
S29928.13	SS2-16	Soil	12/07/2006 11:15
S29928.14	SS2-17	Soil	12/07/2006 11:25
S29928.15	SS2-18	Soil	12/07/2006 11:45
S29928.16	SS2-19	Soil	12/07/2006 12:00
S29928.17	Dup-08	Soil	12/07/2006
S29928.18	SS3-02	Soil	12/07/2006 12:20
S29928.19	SS3-03	Soil	12/07/2006 12:45
S29928.20	MW4-04	Groundwater	12/07/2006 14:30
S29928.21	MW2-03	Groundwater	12/07/2006 15:30
S29928.22	MW2-01	Groundwater	12/07/2006 16:30
S29928.23	MW2-02	Groundwater	12/08/2006 08:15
S29928.24	MW2-02 MS	Groundwater	12/08/2006 08:15
S29928.25	MW2-02 MSD	Groundwater	12/08/2006 08:15
S29928.26	MW4-03	Groundwater	12/08/2006 09:30
S29928.27	Dup-01	Groundwater	12/08/2006
S29928.28	MW4-01	Groundwater	12/08/2006 10:30
S29928.29	MW3-02	Groundwater	12/08/2006 11:30
S29928.30	MW4-02	Groundwater	12/08/2006 12:30
S29928.31	MW3-01	Groundwater	12/08/2006 13:30
S29928.32	MW3-03	Groundwater	12/08/2006 14:30
S29928.33	MW1-01	Groundwater	12/08/2006 15:30

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Shane Noreen
LFR
Aug 07, 2009 19:38

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Analytical Laboratory Report

Lab Sample ID: S29928.21
Sample Tag: MW2-03
Collected Date/Time: 12/07/2006 15:30
Matrix: Groundwater
COC Reference: 038911

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	4.4	IR
1	1L Amber	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Mercury Digestion	Completed			7470A	12/11/06 13:00	JRT		
Metal Digestion	Completed			3015A	12/14/06 12:00	SLS		
PNA Extraction	Completed			3510C	12/13/06 22:58	EMR		
Metals								
Arsenic, Dissolved	0.002	mg/L	0.001	200.8	12/14/06 14:27	SLS	7440-38-2	
Barium, Dissolved	Not detected	mg/L	0.01	200.8	12/14/06 14:27	SLS	7440-39-3	
Cadmium, Dissolved	Not detected	mg/L	0.0005	200.8	12/14/06 14:27	SLS	7440-43-9	
Chromium, Dissolved	Not detected	mg/L	0.005	200.8	12/14/06 14:27	SLS	7440-47-3	
Copper, Dissolved	Not detected	mg/L	0.004	200.8	12/14/06 14:27	SLS	7440-50-8	
Lead, Dissolved	Not detected	mg/L	0.003	200.8	12/14/06 14:27	SLS	7439-92-1	
Mercury, Dissolved	Not detected	mg/L	0.0002	245.1M	12/11/06 16:04	JRT	7439-97-6	
Selenium, Dissolved	Not detected	mg/L	0.005	200.8	12/14/06 14:27	SLS	7782-49-2	
Silver, Dissolved	Not detected	mg/L	0.0002	200.8	12/14/06 14:27	SLS	7440-22-4	
Zinc, Dissolved	0.017	mg/L	0.005	200.8	12/14/06 14:27	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatic Hydrocarbon								
Acenaphthene	Not detected	ug/L	5	8270C	12/15/06 14:47	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	5	8270C	12/15/06 14:47	ARH	208-96-8	
Anthracene	Not detected	ug/L	5	8270C	12/15/06 14:47	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	5	8270C	12/15/06 14:47	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	5	8270C	12/15/06 14:47	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	5	8270C	12/15/06 14:47	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	5	8270C	12/15/06 14:47	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	5	8270C	12/15/06 14:47	ARH	191-24-2	
Chrysene	Not detected	ug/L	5	8270C	12/15/06 14:47	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	5	8270C	12/15/06 14:47	ARH	53-70-3	
Fluoranthene	Not detected	ug/L	5	8270C	12/15/06 14:47	ARH	206-44-0	
Fluorene	Not detected	ug/L	5	8270C	12/15/06 14:47	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	5	8270C	12/15/06 14:47	ARH	193-39-5	
Naphthalene	Not detected	ug/L	5	8270C	12/15/06 14:47	ARH	91-20-3	
Phenanthrene	Not detected	ug/L	5	8270C	12/15/06 14:47	ARH	85-01-8	
Pyrene	Not detected	ug/L	5	8270C	12/15/06 14:47	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	8270C	12/15/06 14:47	ARH	91-57-6	

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S29928.22
Sample Tag: MW2-01
Collected Date/Time: 12/07/2006 16:30
Matrix: Groundwater
COC Reference: 038911

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	4.4	IR
1	1L Amber	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Mercury Digestion	Completed			7470A	12/11/06 13:00	JRT		
Metal Digestion	Completed			3015A	12/14/06 12:00	SLS		
PNA Extraction	Completed			3510C	12/13/06 22:58	EMR		
Metals								
Arsenic, Dissolved	0.002	mg/L	0.001	200.8	12/14/06 14:30	SLS	7440-38-2	
Barium, Dissolved	0.05	mg/L	0.01	200.8	12/14/06 14:30	SLS	7440-39-3	
Cadmium, Dissolved	Not detected	mg/L	0.0005	200.8	12/14/06 14:30	SLS	7440-43-9	
Chromium, Dissolved	Not detected	mg/L	0.005	200.8	12/14/06 14:30	SLS	7440-47-3	
Copper, Dissolved	Not detected	mg/L	0.004	200.8	12/14/06 14:30	SLS	7440-50-8	
Lead, Dissolved	Not detected	mg/L	0.003	200.8	12/14/06 14:30	SLS	7439-92-1	
Mercury, Dissolved	Not detected	mg/L	0.0002	245.1M	12/11/06 16:06	JRT	7439-97-6	
Selenium, Dissolved	Not detected	mg/L	0.005	200.8	12/14/06 14:30	SLS	7782-49-2	
Silver, Dissolved	Not detected	mg/L	0.0002	200.8	12/14/06 14:30	SLS	7440-22-4	
Zinc, Dissolved	0.015	mg/L	0.005	200.8	12/14/06 14:30	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatic Hydrocarbon								
Acenaphthene	Not detected	ug/L	5	8270C	12/15/06 15:10	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	5	8270C	12/15/06 15:10	ARH	208-96-8	
Anthracene	Not detected	ug/L	5	8270C	12/15/06 15:10	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	5	8270C	12/15/06 15:10	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	5	8270C	12/15/06 15:10	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	5	8270C	12/15/06 15:10	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	5	8270C	12/15/06 15:10	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	5	8270C	12/15/06 15:10	ARH	191-24-2	
Chrysene	Not detected	ug/L	5	8270C	12/15/06 15:10	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	5	8270C	12/15/06 15:10	ARH	53-70-3	
Fluoranthene	Not detected	ug/L	5	8270C	12/15/06 15:10	ARH	206-44-0	
Fluorene	Not detected	ug/L	5	8270C	12/15/06 15:10	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	5	8270C	12/15/06 15:10	ARH	193-39-5	
Naphthalene	Not detected	ug/L	5	8270C	12/15/06 15:10	ARH	91-20-3	
Phenanthrene	Not detected	ug/L	5	8270C	12/15/06 15:10	ARH	85-01-8	
Pyrene	Not detected	ug/L	5	8270C	12/15/06 15:10	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	8270C	12/15/06 15:10	ARH	91-57-6	

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S29928.23
Sample Tag: MW2-02
Collected Date/Time: 12/08/2006 08:15
Matrix: Groundwater
COC Reference: 038911

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	4.4	IR
1	1L Amber	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Mercury Digestion	Completed			7470A	12/11/06 13:00	JRT		
Metal Digestion	Completed			3015A	12/14/06 12:00	SLS		
PNA Extraction	Completed			3510C	12/13/06 22:58	EMR		
Metals								
Arsenic, Dissolved	0.002	mg/L	0.001	200.8	12/14/06 14:40	SLS	7440-38-2	
Barium, Dissolved	0.09	mg/L	0.01	200.8	12/14/06 14:40	SLS	7440-39-3	
Cadmium, Dissolved	Not detected	mg/L	0.0005	200.8	12/14/06 14:40	SLS	7440-43-9	
Chromium, Dissolved	Not detected	mg/L	0.005	200.8	12/14/06 14:40	SLS	7440-47-3	
Copper, Dissolved	0.007	mg/L	0.004	200.8	12/14/06 14:40	SLS	7440-50-8	
Lead, Dissolved	Not detected	mg/L	0.003	200.8	12/14/06 14:40	SLS	7439-92-1	
Mercury, Dissolved	Not detected	mg/L	0.0002	245.1M	12/11/06 16:21	JRT	7439-97-6	
Selenium, Dissolved	0.006	mg/L	0.005	200.8	12/14/06 14:40	SLS	7782-49-2	
Silver, Dissolved	0.0008	mg/L	0.0002	200.8	12/14/06 14:40	SLS	7440-22-4	
Zinc, Dissolved	0.013	mg/L	0.005	200.8	12/14/06 14:40	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatic Hydrocarbon								
Acenaphthene	Not detected	ug/L	5	8270C	12/15/06 15:32	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	5	8270C	12/15/06 15:32	ARH	208-96-8	
Anthracene	Not detected	ug/L	5	8270C	12/15/06 15:32	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	5	8270C	12/15/06 15:32	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	5	8270C	12/15/06 15:32	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	5	8270C	12/15/06 15:32	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	5	8270C	12/15/06 15:32	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	5	8270C	12/15/06 15:32	ARH	191-24-2	
Chrysene	Not detected	ug/L	5	8270C	12/15/06 15:32	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	5	8270C	12/15/06 15:32	ARH	53-70-3	
Fluoranthene	Not detected	ug/L	5	8270C	12/15/06 15:32	ARH	206-44-0	
Fluorene	Not detected	ug/L	5	8270C	12/15/06 15:32	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	5	8270C	12/15/06 15:32	ARH	193-39-5	
Naphthalene	Not detected	ug/L	5	8270C	12/15/06 15:32	ARH	91-20-3	
Phenanthrene	Not detected	ug/L	5	8270C	12/15/06 15:32	ARH	85-01-8	
Pyrene	Not detected	ug/L	5	8270C	12/15/06 15:32	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	8270C	12/15/06 15:32	ARH	91-57-6	

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Analytical Laboratory Report

Lab Sample ID: S29928.24
Sample Tag: MW2-02 MS
Collected Date/Time: 12/08/2006 08:15
Matrix: Groundwater
COC Reference: 038911

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	4.4	IR
1	1L Amber	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Mercury Digestion	Completed			7470A	12/11/06 13:00	JRT		
Metal Digestion	Completed			3015A	12/14/06 12:00	SLS		
PNA Extraction	Completed			3510C	12/13/06 22:58	EMR		
Metals								
Arsenic, Dissolved	0.266	mg/L	0.001	200.8	12/14/06 14:43	SLS	7440-38-2	
Barium, Dissolved	0.35	mg/L	0.01	200.8	12/14/06 14:43	SLS	7440-39-3	
Cadmium, Dissolved	0.2484	mg/L	0.0005	200.8	12/14/06 14:43	SLS	7440-43-9	
Chromium, Dissolved	0.265	mg/L	0.005	200.8	12/14/06 14:43	SLS	7440-47-3	
Copper, Dissolved	0.265	mg/L	0.004	200.8	12/14/06 14:43	SLS	7440-50-8	
Lead, Dissolved	0.243	mg/L	0.003	200.8	12/14/06 14:43	SLS	7439-92-1	
Mercury, Dissolved	0.0017	mg/L	0.0002	245.1M	12/11/06 16:23	JRT	7439-97-6	
Selenium, Dissolved	0.251	mg/L	0.005	200.8	12/14/06 14:43	SLS	7782-49-2	
Silver, Dissolved	0.2226	mg/L	0.0002	200.8	12/14/06 14:43	SLS	7440-22-4	
Zinc, Dissolved	0.258	mg/L	0.005	200.8	12/14/06 14:43	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatic Hydrocarbon								
Acenaphthene	26	ug/L	5	8270C	12/15/06 15:55	ARH	83-32-9	1
Acenaphthylene	26	ug/L	5	8270C	12/15/06 15:55	ARH	208-96-8	1
Anthracene	26	ug/L	5	8270C	12/15/06 15:55	ARH	120-12-7	1
Benzo(a)anthracene	21	ug/L	5	8270C	12/15/06 15:55	ARH	56-55-3	1
Benzo(a)pyrene	29	ug/L	5	8270C	12/15/06 15:55	ARH	50-32-8	1
Benzo(b)fluoranthene	31	ug/L	5	8270C	12/15/06 15:55	ARH	205-99-2	1
Benzo(k)fluoranthene	30	ug/L	5	8270C	12/15/06 15:55	ARH	207-08-9	1
Benzo(ghi)perylene	30	ug/L	5	8270C	12/15/06 15:55	ARH	191-24-2	1
Chrysene	29	ug/L	5	8270C	12/15/06 15:55	ARH	218-01-9	1
Dibenzo(ah)anthracene	31	ug/L	5	8270C	12/15/06 15:55	ARH	53-70-3	1
Fluoranthene	30	ug/L	5	8270C	12/15/06 15:55	ARH	206-44-0	1
Fluorene	28	ug/L	5	8270C	12/15/06 15:55	ARH	86-73-7	1
Indeno(1,2,3-cd)pyrene	32	ug/L	5	8270C	12/15/06 15:55	ARH	193-39-5	1
Naphthalene	24	ug/L	5	8270C	12/15/06 15:55	ARH	91-20-3	1
Phenanthrene	28	ug/L	5	8270C	12/15/06 15:55	ARH	85-01-8	1
Pyrene	28	ug/L	5	8270C	12/15/06 15:55	ARH	129-00-0	1
2-Methylnaphthalene	27	ug/L	5	8270C	12/15/06 15:55	ARH	91-57-6	1

1-Wet Weight Spike: 0.052 mg/kg

Merit Laboratories, Inc.

Analytical Laboratory Report

Lab Sample ID: S29928.25
Sample Tag: MW2-02 MSD
Collected Date/Time: 12/08/2006 08:15
Matrix: Groundwater
COC Reference: 038911

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	4.4	IR
1	1L Amber	None	Yes	4.4	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Mercury Digestion	Completed			7470A	12/11/06 13:00	JRT		
Metal Digestion	Completed			3015A	12/14/06 12:00	SLS		
PNA Extraction	Completed			3510C	12/13/06 22:58	EMR		
Metals								
Arsenic, Dissolved	0.267	mg/L	0.001	200.8	12/14/06 14:46	SLS	7440-38-2	
Barium, Dissolved	0.35	mg/L	0.01	200.8	12/14/06 14:46	SLS	7440-39-3	
Cadmium, Dissolved	0.2466	mg/L	0.0005	200.8	12/14/06 14:46	SLS	7440-43-9	
Chromium, Dissolved	0.261	mg/L	0.005	200.8	12/14/06 14:46	SLS	7440-47-3	
Copper, Dissolved	0.259	mg/L	0.004	200.8	12/14/06 14:46	SLS	7440-50-8	
Lead, Dissolved	0.243	mg/L	0.003	200.8	12/14/06 14:46	SLS	7439-92-1	
Mercury, Dissolved	0.0018	mg/L	0.0002	245.1M	12/11/06 16:25	JRT	7439-97-6	
Selenium, Dissolved	0.256	mg/L	0.005	200.8	12/14/06 14:46	SLS	7782-49-2	
Silver, Dissolved	0.2164	mg/L	0.0002	200.8	12/14/06 14:46	SLS	7440-22-4	
Zinc, Dissolved	0.258	mg/L	0.005	200.8	12/14/06 14:46	SLS	7440-66-6	
Organics - Semi-Volatiles								
Polynuclear Aromatic Hydrocarbon								
Acenaphthene	25	ug/L	5	8270C	12/15/06 16:18	ARH	83-32-9	1
Acenaphthylene	25	ug/L	5	8270C	12/15/06 16:18	ARH	208-96-8	1
Anthracene	26	ug/L	5	8270C	12/15/06 16:18	ARH	120-12-7	1
Benzo(a)anthracene	20	ug/L	5	8270C	12/15/06 16:18	ARH	56-55-3	1
Benzo(a)pyrene	29	ug/L	5	8270C	12/15/06 16:18	ARH	50-32-8	1
Benzo(b)fluoranthene	29	ug/L	5	8270C	12/15/06 16:18	ARH	205-99-2	1
Benzo(k)fluoranthene	29	ug/L	5	8270C	12/15/06 16:18	ARH	207-08-9	1
Benzo(ghi)perylene	29	ug/L	5	8270C	12/15/06 16:18	ARH	191-24-2	1
Chrysene	29	ug/L	5	8270C	12/15/06 16:18	ARH	218-01-9	1
Dibenzo(ah)anthracene	30	ug/L	5	8270C	12/15/06 16:18	ARH	53-70-3	1
Fluoranthene	30	ug/L	5	8270C	12/15/06 16:18	ARH	206-44-0	1
Fluorene	27	ug/L	5	8270C	12/15/06 16:18	ARH	86-73-7	1
Indeno(1,2,3-cd)pyrene	30	ug/L	5	8270C	12/15/06 16:18	ARH	193-39-5	1
Naphthalene	22	ug/L	5	8270C	12/15/06 16:18	ARH	91-20-3	1
Phenanthrene	27	ug/L	5	8270C	12/15/06 16:18	ARH	85-01-8	1
Pyrene	28	ug/L	5	8270C	12/15/06 16:18	ARH	129-00-0	1
2-Methylnaphthalene	25	ug/L	5	8270C	12/15/06 16:18	ARH	91-57-6	1

1-Wet Weight Spike: 0.052 mg/kg

Merit Laboratories, Inc.
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www.meritlabs.com

C.O.C. PAGE # 1 OF 3

035105

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: CLIFF YANTZ
COMPANY: OBRIEN & GERE
ADDRESS: 33469 W. 14 MILE RD STE 150
CITY: FARMINGTON HILLS STATE: MI ZIP CODE: 48331
PHONE NO.: 2486613745 FAX NO.: 2486614057 P.O. NO.: 39923
E-MAIL ADDRESS: QUOTE NO.:

INVOICE TO

CONTACT NAME: SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: GM MFD GRAND BLANC
SAMPLER(S) - PLEASE PRINT/SIGN NAME: MIKE ROBISON

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	2006 YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF CONTAINERS	NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	SVOCs PNAs	TOTAL METALS	SPECIAL INSTRUCTIONS/NOTES
29928.01	12/7	0915	SS3-01	S	1	1							X	X	0-6"
.02/.03		0915	SS3-01 MS/MSD	S	1	1							X	X	0-6"
.04		0930	SS5-01	S	1	1							X	X	0-6"
.05		←	DUP-07	S	1	1							X	X	0-6"
.06		0950	SS5-02	S	1	1							X	X	0-6"
.07		1000	SS5-03	S	1	1							X	X	0-6"
.08		1015	SS4-06	S	1	1							X	X	0-6"
.09		1025	SS4-07	S	1	1							X	X	0-6"
.10		1040	SS4-08	S	1	1							X	X	0-6"
.11		1100	SS2-14	S	1	1							X	X	0-6"
.12		1110	SS2-15	S	1	1							X	X	0-6"
.13	↓	1115	SS2-16	S	1	1							X	X	0-6"

* SPECIAL INSTRUCTIONS/NOTES: FINE + COARSE FRACTION ANALYSIS FOR LEAD SOIL SAMPLES

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Merit	12/7/06	1540
RECEIVED BY: SIGNATURE/ORGANIZATION	Merit	12-7-06	1540
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Merit	12-7-06	1615
RECEIVED BY: SIGNATURE/ORGANIZATION	Barbara Richardson	12-8-06	16:15
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS | NOTES: | TEMP. ON ARRIVAL 4.4
SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 2 OF 3

038911

CHAIN OF CUSTODY RECORD

REPORT TO	
CONTACT NAME	CLIFF YANTZ
COMPANY	OBRIEN + GERE
ADDRESS	33469 W. 14 MILE RD STE 150
CITY	FARMINGTON HILLS
STATE	MI
ZIP CODE	48331
PHONE NO.	248 6613745
FAX NO.	
P.O. NO.	39923
E-MAIL ADDRESS	
QUOTE NO.	

INVOICE TO	☑ SAME
CONTACT NAME	
COMPANY	
ADDRESS	
CITY	
STATE	
ZIP CODE	
PHONE NO.	
FAX NO.	
P.O. NO.	

PROJECT NO./NAME: GM MFD GRAND BLANC

SAMPLER(S) - PLEASE PRINT/SIGN NAME: MIKE ROBISON

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☑ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER SL=SLUDGE WW=WASTEWATER O=OIL S=SOIL A=AIR L=LIQUID W=WASTE SD=SOLID M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES: FINE + COARSE FRACTION LEAD ANALYSIS FOR SOILS

MERIT LAB NO.	DATE (2006 YEAR)	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	SC VOCs/PNAs	10 METALS	SPECIAL INSTRUCTIONS/NOTES
29928.14	12/7	1125	SS2-17	S	1	1							X	X	0-6"
.15		1145	SS2-18	S	1	1							X	X	0-6"
.16		1200	SS2-19	S	1	1							X	X	0-6"
.17		—	DUP-08	S	1	1							X	X	0-6"
.18		1220	SS3-02	S	1	1							X	X	0-6"
.19		1245	SS3-03	S	1	1							X	X	0-6"
.20		1430	MW4-04	GW	2	1		1					X	X	METALS FIELD FILTERED
.21		1530	MW2-03	GW	2	1		1					X	X	" "
.22		1630	MW2-01	GW	2	1		1					X	X	" "
.23	12/8	0815	MW2-02	GW	2	1		1					X	X	" "
.24/.25		0815	MW2-02 MS/MSD	GW	4	2		2					X	X	" "
.26		0930	MW4-03	GW	2	1		1					X	X	" "

		DATE	TIME			DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	[signature] O&G	12/8/06	1540	RELINQUISHED BY: SIGNATURE/ORGANIZATION	[signature] /Merit	12-8-06	1615
RECEIVED BY: SIGNATURE/ORGANIZATION	[signature] /Merit	12-8-06		RECEIVED BY: SIGNATURE/ORGANIZATION	Barbara Richard TOI	12-8-06	16:15
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

NOTES: DISSOLVED ANALYSIS FOR METALS WATERS

TEMP. ON ARRIVAL: 1.4

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 3 OF 3

038994

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: CLIFF YANT 2
COMPANY: OBRIEN + GERE
ADDRESS: SAME AS PG 1
CITY / STATE / ZIP CODE:
PHONE NO. / FAX NO. / P.O. NO.: 39923
E-MAIL ADDRESS / QUOTE NO.:

INVOICE TO

CONTACT NAME: SAME
COMPANY:
ADDRESS:
CITY / STATE / ZIP CODE:
PHONE NO. / FAX NO. / P.O. NO.:

PROJECT NO./NAME: GM MFD GRAND BLANC
SAMPLER(S) - PLEASE PRINT/SIGN NAME: MIKE ROBISON

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR 2006 DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	OTHER	PNA's	10 METALS	SPECIAL INSTRUCTIONS/NOTES
29928.27	12/8	—	DUP-01	GW	2	1		1				X	X	METALS FIELD FILTERED
.28		1030	MW4-01	GW	2	1		1				X	X	" "
.29		1130	MW3-02	GW	2	1		1				X	X	" "
.30		1230	MW4-02	GW	2	1		1				X	X	" "
.31		1330	MW3-01	GW	2	1		1				X	X	" "
.32		1430	MW3-03	GW	2	1		1				X	X	" "
.33	↓	1530	MW1-01	GW	2	1		1				X	X	" "

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	OBG	12/8/06	15:40
RECEIVED BY: SIGNATURE/ORGANIZATION	Merit	12-8-06	15:40
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Merit	12-8-06	16:15
RECEIVED BY: SIGNATURE/ORGANIZATION	Barbara Richardson	12-8-06	16:15
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME

SEAL NO. / SEAL INTACT YES ☐ NO ☐ / INITIALS
SEAL NO. / SEAL INTACT YES ☐ NO ☐ / INITIALS

NOTES: TEMP. ON ARRIVAL 4.4

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S30158.01(01)
Generated on 12/28/2006

Report to

Attention: Mr. Clifford Yantz
O'Brien & Gere Engineers
33469 West 14 Mile Road, Suite 150
Farmington Hills, MI 48331

Phone: 248-661-3745 FAX: 248-661-4057

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): S30158.01-S30158.14
Project: GM MFD Grand Blanc
Collected Date: 12/22/2006
Submitted Date/Time: 12/26/2006 12:30
Sampled by: Mike Robison
P.O. #: 10610474EST

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.

Violetta F. Murshak
Laboratory Director

Merit Laboratories, Inc.

Analytical Laboratory Report

Sample Summary (14 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S30158.01	MW4-01	Groundwater	12/22/2006 08:30
S30158.02	DUP-02	Groundwater	12/22/2006
S30158.03	MW4-02	Groundwater	12/22/2006 09:15
S30158.04	MW4-04	Groundwater	12/22/2006 10:30
S30158.05	MW2-03	Groundwater	12/22/2006 11:15
S30158.06	MW2-02	Groundwater	12/22/2006 12:05
S30158.07	MW2-01	Groundwater	12/22/2006 13:00
S30158.08	MW3-03	Groundwater	12/22/2006 13:50
S30158.09	MW3-03 MS	Groundwater	12/22/2006 13:50
S30158.10	MW3-03 MSD	Groundwater	12/22/2006 13:50
S30158.11	MW3-01	Groundwater	12/22/2006 14:35
S30158.12	MW1-01	Groundwater	12/22/2006 15:25
S30158.13	MW4-03	Groundwater	12/22/2006 16:20
S30158.14	MW3-02	Groundwater	12/22/2006 17:20

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LFR
Aug 07, 2009 19:38

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LFR
Aug 07, 2009 19:38

Analytical Laboratory Report

Lab Sample ID: S30158.05
Sample Tag: MW2-03
Collected Date/Time: 12/22/2006 11:15
Matrix: Groundwater
COC Reference: 038412

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Mercury Digestion	Completed			7470A	12/27/06 09:00	JRT		
Metal Digestion	Completed			3015A	12/27/06 12:00	SLS		
Metals								
Arsenic	0.001	mg/L	0.001	200.8	12/27/06 15:27	SLS	7440-38-2	
Barium	Not detected	mg/L	0.01	200.8	12/27/06 15:27	SLS	7440-39-3	
Cadmium	Not detected	mg/L	0.0005	200.8	12/27/06 15:27	SLS	7440-43-9	
Chromium	Not detected	mg/L	0.005	200.8	12/27/06 15:27	SLS	7440-47-3	
Copper	Not detected	mg/L	0.004	200.8	12/27/06 15:27	SLS	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	12/27/06 15:27	SLS	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	12/27/06 13:05	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	12/27/06 15:27	SLS	7782-49-2	
Silver	0.0003	mg/L	0.0002	200.8	12/27/06 15:27	SLS	7440-22-4	
Zinc	0.015	mg/L	0.005	200.8	12/27/06 15:27	SLS	7440-66-6	

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LFR
Aug 07, 2009 19:38

Analytical Laboratory Report

Lab Sample ID: S30158.06
Sample Tag: MW2-02
Collected Date/Time: 12/22/2006 12:05
Matrix: Groundwater
COC Reference: 038412

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Mercury Digestion	Completed			7470A	12/27/06 09:00	JRT		
Metal Digestion	Completed			3015A	12/27/06 12:00	SLS		
Metals								
Arsenic	0.001	mg/L	0.001	200.8	12/27/06 15:30	SLS	7440-38-2	
Barium	0.08	mg/L	0.01	200.8	12/27/06 15:30	SLS	7440-39-3	
Cadmium	Not detected	mg/L	0.0005	200.8	12/27/06 15:30	SLS	7440-43-9	
Chromium	0.005	mg/L	0.005	200.8	12/27/06 15:30	SLS	7440-47-3	
Copper	0.006	mg/L	0.004	200.8	12/27/06 15:30	SLS	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	12/27/06 15:30	SLS	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	12/27/06 13:07	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	12/27/06 15:30	SLS	7782-49-2	
Silver	0.0004	mg/L	0.0002	200.8	12/27/06 15:30	SLS	7440-22-4	
Zinc	0.016	mg/L	0.005	200.8	12/27/06 15:30	SLS	7440-66-6	

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Analytical Laboratory Report

Lab Sample ID: S30158.07
Sample Tag: MW2-01
Collected Date/Time: 12/22/2006 13:00
Matrix: Groundwater
COC Reference: 038412

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	4.9	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Mercury Digestion	Completed			7470A	12/27/06 09:00	JRT		
Metal Digestion	Completed			3015A	12/27/06 12:00	SLS		
Metals								
Arsenic	0.004	mg/L	0.001	200.8	12/27/06 15:33	SLS	7440-38-2	
Barium	0.06	mg/L	0.01	200.8	12/27/06 15:33	SLS	7440-39-3	
Cadmium	Not detected	mg/L	0.0005	200.8	12/27/06 15:33	SLS	7440-43-9	
Chromium	Not detected	mg/L	0.005	200.8	12/27/06 15:33	SLS	7440-47-3	
Copper	Not detected	mg/L	0.004	200.8	12/27/06 15:33	SLS	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	12/27/06 15:33	SLS	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	12/27/06 13:18	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	12/27/06 15:33	SLS	7782-49-2	
Silver	Not detected	mg/L	0.0002	200.8	12/27/06 15:33	SLS	7440-22-4	
Zinc	0.012	mg/L	0.005	200.8	12/27/06 15:33	SLS	7440-66-6	

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Shane Noreen
LFR
Aug 07, 2009 19:38

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C.O.C. PAGE # 1 OF 1

038412

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME	CLIFF YANTZ
COMPANY	OBRIEN & GERE
ADDRESS	33469 W. 14 MILE RD. STE 150
CITY	FARMINGTON HILLS
STATE	MI
ZIP CODE	48331
PHONE NO.	248 661 3745
FAX NO.	248 661 4057
P.O. NO.	39923
E-MAIL ADDRESS	
QUOTE NO.	

INVOICE TO

CONTACT NAME	SAME
COMPANY	
ADDRESS	
CITY	
STATE	
ZIP CODE	
PHONE NO.	
FAX NO.	
P.O. NO.	

PROJECT NO./NAME: GM MFD GRAND BLANC

SAMPLER(S) - PLEASE PRINT/SIGN NAME: MIKE ROBISON

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☒ 72 HR ☐ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES: ANALYZE FOR TOTAL METALS (NOT FILTERED)

MERIT LAB NO. 2006	DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF CONTAINERS	NONE	HCl	HNO3	H2SO4	NaOH	OTHER	TOTAL METALS (NOT FILTERED) 10 METALS
30158.01	12/2	0830	MW4-01	GW	1			1				X
.02		—	DUP-02	GW	1			1				X
.03		0915	MW4-02	GW	1			1				X
.04		1030	MW4-04	GW	1			1				X
.05		1115	MW2-03	GW	1			1				X
.06		1205	MW2-02	GW	1			1				X
.07		1300	MW2-01	GW	1			1				X
.08		1350	MW3-03	GW	1			1				X
09/10		1350	MW3-03 MS/MSD	GW	2			2				X
.11		1435	MW3-01	GW	2			2				X
.12		1525	MW1-01	GW	1			1				X
.13		1620	MW4-03	GW	1			1				X
.14		1720	MW3-02	GW	1			1				X

	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION		
RECEIVED BY: SIGNATURE/ORGANIZATION		
RELINQUISHED BY: SIGNATURE/ORGANIZATION	12/5/06	1115
RECEIVED BY: SIGNATURE/ORGANIZATION	12/5/06	1115
RELINQUISHED BY: SIGNATURE/ORGANIZATION		
RECEIVED BY: SIGNATURE/ORGANIZATION	12/6/06	1230

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS

NOTES: TEMP. ON ARRIVAL 4.9

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE