FINAL

Remedial Investigation Report for Near-Surface Soils

M-4 Landfill Site

U. S. Army Installation Fort Monmouth
Fort Monmouth, New Jersey

Directorate of Public Works

March 9, 2004

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Fort Monmouth, New Jersey

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To demonstrate compliance equivalence of the existing soil cover over the M-4 Landfill Site with respect to the Solid Waste Disposal Act of 1965, DPW characterized the near-surface soils using 63 borings installed at strategic locations over the site. DPW performed soil borings and obtained soil samples in March 1998. All soil samples were analyzed for Target Compound List (TCL) Organics + 30 parameters and Target Analyte List (TAL) metals. The data that exceeded the laboratory method detection limit (MDL) and/or the New Jersey Department of Environmental Protection (NJDEP) Residential Direct Contact Soil Cleanup Criteria (RDCSCC) are summarized in table form in this RIR. Where applicable and appropriate, the data were evaluated utilizing the "compliance averaging" approach to determine compliance with NJDEP RDCSCC.

Concentrations of SVOCs, pesticides and metals were detected exceeding the NJDEP RDCSCC. In all cases, further analysis of the analytical results did not define a "source area" or level of contamination that necessitated the identification and evaluation of potential remedial actions. In most cases, either the calculated compliance average was below the respective RDCSCC or the exceedence was considered marginal. However, to address the exceedences of analytes that did not meet cleanup criteria in the near surface soils, the DPW will incorporate a document equivalent to a Declaration of Environmental Restriction (DER) into the Fort Monmouth Master Plan for soils at the site. The Army is requesting a ***No Further Action*** determination for these parameters. The DER equivalent may be developed for the entire M-4 Landfill Site or be restricted to specific areas of the site and specific analytes, as identified in this document.

Given the inactive and undisturbed status of the landfill, the continued performance of long-term surface water and groundwater monitoring proximate to the M-4 Landfill Site, the minimal potential for environmental and/or human health impacts, the lack of groundwater uses at or downgradient of the site, and the distribution, occurrence and relatively low concentrations of contaminants of concern (COCs), ***No Further Action*** is recommended for the near-surface soils at the M-4 Landfill Site.

1.0 INTRODUCTION

Versar, Inc. (Versar) has been contracted by the United States (U.S.) Army Fort Monmouth, Directorate of Public Works (DPW), Fort Monmouth, New Jersey to prepare a Remedial Investigation Report (RIR) for the M-4 Landfill Site. The M-4 Landfill Site is located on the Main Post of Fort Monmouth. This RIR presents a compilation of the results of remedial investigation conducted at the M-4 Landfill Site for near-surface soils and has been prepared in partial fulfillment of Contract No. DACA 51-00-D-004, Delivery Order No. 0004.

1.1 Objectives

The objective of this RIR is to define shallow soil conditions at the M-4 Landfill Site as proposed in DPW's letter, dated July 7, 1998 and approved by the NJDEP in correspondence dated August 10, 1998 (**Appendix A** and **Appendix B**). The remedial investigation was conducted in accordance with NJDEP Technical Requirements for Site Remediation (July 1999), NJAC 7:26E, et seq.

The remedial investigation and subsequent preparation of the RIR encompassed the following:

- Characterization of shallow subsurface soils through soil sampling and laboratory analysis.
- Comparison of the soil sample analytical results with the NJDEP RDCSC.
- Evaluation of each of the analytes found to exceed the RDCSCC using the compliance averaging approach and discussion of site-specific conditions.

1.2 Report Organization

This report is organized to minimize repetition. The findings of the Roy F. Weston, Inc. (Weston) report entitled, *Site Investigation, Fort Monmouth, New Jersey, Main Post and Charles Wood Areas, Site Investigation Report* (December 1995), were used as the basis for this remedial investigation program. **Section 2.0** provides background information and a general description of the M-4 Landfill Site located at Fort Monmouth. **Section 3.0** describes and summarizes the soil sampling activities conducted at the M-4 Landfill Site. **Section 4.0** presents the soil sample analytical results and compliance analysis**.** The sample collection information, sample results and analyses presented in this RIR were incorporated into a proprietary relational database designed to manage sample data and eliminate errors in cross-referencing information between data tables in this section. Recommendations are presented in **Section 5.0**. References used to prepare this report are listed in **Section 6.0**.

2.0 SITE BACKGROUND AND ENVIRONMENTAL SETTING

The following sections describe the site background and environmental setting of the area surrounding Fort Monmouth and the M-4 Landfill Site. Included is a description of the site location, history, current conditions and environmental setting.

2.1 Site Location and Description

Fort Monmouth is located in the central-eastern portion of New Jersey in Monmouth County, approximately 45 miles south of New York City and 70 miles northeast of Philadelphia (**Figure 2-1**). In addition to the Main Post, the installation includes two subposts, the Charles Wood Area and the Evans Area. The Main Post encompasses approximately 630 acres and is generally bounded by State Highway 35, Parkers Creek, Lafetra Creek, the New Jersey Transit Railroad and a residential area to the south. The post was established in 1918 during World War I (WWI) as an Army Signal Corps training center. The Main Post currently provides administrative, training, and housing support functions, as well as providing many of the community facilities for Fort Monmouth. The primary mission of Fort Monmouth is to provide command, administrative, and logistical support for Headquarters, U.S. Army Communications and Electronics Command (CECOM). CECOM is a major subordinate command of the U.S. Army Materiel Command (AMC) and is the host tenant at Fort Monmouth.

The M-4 Landfill was a former historic fill site bounded by the Avenue of Memories to the south, North Drive to the north, Mill Creek to the west, and Wilson Avenue to the east in the Main Post Area. The historic fill reportedly contained demolition debris. The approximate size of the M-4 Landfill Site area is 61,800 feet^2 (1.4 acres). Based on historical research, the period of operation of the fill site was approximately 1955 to 1956.

2.2 Site Background

The U.S. Army Corps of Engineers (USACE), Baltimore District, initially contracted Roy F. Weston, Inc. (Weston) to perform a field investigation at Fort Monmouth, New Jersey. This investigation was conducted at two separate areas of Fort Monmouth, the Main Post and the Charles Wood areas. Suspected hazardous waste sites were initially identified at Fort Monmouth in a report prepared by the U.S. Army Toxic and Hazardous Materials Agency (USATHAMA, 1980). The USATHAMA report identified 37 sites with known or suspected waste materials on the Main Post and the two subposts (Charles Wood and Evans Area). A background investigation was conducted by Weston of the 37 sites and eight additional sites that were identified by Fort Monmouth and the NJDEP. Weston's findings were described in a report titled, *Investigation of Suspected Hazardous Waste Sites at Fort Monmouth, New Jersey* (1993). In this background report, additional investigations (including sampling and other field work) were recommended at 22 of the sites on the Main Post and Charles Wood areas, including the M-4 Landfill Site. NJDEP

approved the recommendations on April 20, 1995. Additional investigations were also recommended at the Evans Area, and such investigations are being completed under the Base Realignment and Closure (BRAC) program.

The 1995 Weston SI report presents the results of field investigation activities that were performed at 13 sites at the Main Post Area and eight sites at the Charles Wood Area. The results of the investigation of the M-4 Landfill Site are included in the Weston SI report. Initial field investigation activities were performed between November 1994 and March 1995. The field investigation activities included surface water sampling and groundwater monitoring well installation and sampling. The Weston SI report was used as the basis for the supplemental remedial investigations described in the following sections of this report.

Lithologic data collected from the soil borings indicated that the overburden material consisted of a thin soil cover, approximately 0.4 feet, overlaying fill material consisting of alternating layers of organic debris intermixed with concrete gravel pieces, sand and silt.

2.3 Environmental Setting

The following is a description of the geological/hydrogeological setting of the area surrounding the M-4 Landfill Site. Included is a description of the regional geology of the area surrounding Fort Monmouth, as well as descriptions of the local geology and hydrogeology of the Main Post Area.

2.3.1 Regional and Local Geology

Monmouth County lies within the New Jersey Section of the Atlantic Coastal Plain physiographic province. The M-4 Landfill Site is located in what is referred to as the Outer Coastal Plain subprovince, or the Outer Lowlands. The geologic map of New Jersey is provided as **Figure 2-2**.

In general, New Jersey Coastal Plain formations consist of a seaward-dipping wedge of unconsolidated deposits of clay, silt, sand and gravel. These formations typically strike northeast-southwest with a dip ranging from 10 to 60 feet per mile and were deposited on Precambrian and lower Paleozoic rocks (Zapecza, 1989). These sediments, predominantly derived from deltaic, shallow marine and continental shelf environments, date from Cretaceous through the Quaternary Periods. The mineralogy ranges from quartz to glauconite.

The formations record several major transgressive/regressive cycles and contain units, which are generally thicker to the southeast and reflect a deeper water environment. More than 20 regional geologic units are present within the sediments of the Coastal Plain. Regressive, upward coarsening deposits are usually aquifers (e.g., Englishtown and Kirkwood Formations and the Cohansey Sand), while the transgressive deposits act as confining units (e.g., the Merchantville, Marshalltown and Navesink Formations). The

individual thickness for these units varies greatly (e.g., from several feet to several hundred feet). The Coastal Plain deposits thicken to the southeast from the Fall Line (e.g., a boundary zone between older, resistant rocks and younger, softer plain sediments) to greater than 6,500 feet in Cape May County (Brown and Zapecza, 1990).

Based on the regional geologic map (Jablonski, 1968), the Cretaceous age Red Bank and Tinton Sands outcrop at the Main Post area. The Red Bank Sand conformably overlies the Navesink Formation and dips to the southeast at 35 feet per mile. The upper member (Shrewsbury) of the Red Bank Sand is a yellowish-gray to reddish brown clayey, medium-to-coarse-grained sand that contains abundant rock fragments, minor mica and glauconite (Jablonski). The lower member (Sandy Hook) is a dark gray to black, medium-to-fine grained sand with abundant clay, mica and glauconite.

The Tinton Sand conformably overlies the Red Bank Sand and ranges from a clayey medium to very coarse-grained feldspathic-quartz and glauconite-sand to a glauconitic-coarse sand. The color varies from dark yellowish orange or light brown to moderate brown and from light olive to grayish olive. Glauconite may constitute 60 to 80 percent of the sand fraction in the upper part of the unit. The upper part of the Tinton is often highly oxidized and iron oxide encrusted (Minard, 1969). Groundwater occurs beneath the site at a depth of approximately 2 to 12 feet bgs.

The Kirkwood Formation (part of the Kirkwood-Cohansey system) crops out southeast of the Main Post and dips to the southeast at a slope of 20 feet per mile (Jablonski, 1968). The Kirkwood Formation consists of alternating layers of sand and clay. The upper unit is a light gray to yellowish-brown, fine-grained quartz sand with quartz nodules and small pebbles. The lower unit is a brown silt in Monmouth County (Jablonski, 1968).

As presented in the *Site Investigation Report - Main Post and Charles Wood Areas, Fort Monmouth, New Jersey*, prepared by Weston, Inc, December 1995 (Weston SI), several natural and anthropogenic factors contribute to the wide range in concentrations of metals in soils, which further impact the concentration of metals in groundwater. Soils derived from the glauconitic sands contain abundant aluminum, calcium, potassium, iron, magnesium and manganese (among others), which are likely to be present at elevated concentrations in the groundwater, particularly when sediments are entrained in the collected groundwater samples.

As presented in the Weston SI Report (relevant portions presented in **Appendix C**), the lithologic logs from monitoring well installations indicate that the lithology at the M-4 Landfill Site consists of a thin soil cover (0.4 feet) underlain by fill material. The components of the fill materials observed in the borings consist of organic debris intermixed with concrete gravel pieces, sand and silt. Groundwater saturation was observed at approximately 7 feet below ground surface (bgs) across the site. Water-level elevation data collected during the Weston SI indicates that local groundwater flow is consistently to the west toward Mill Creek.

2.3.2 Hydrogeology

Fort Monmouth lies in the Atlantic and Eastern Gulf Coastal Plain groundwater region (Meisler et al., 1988). This groundwater region is underlain by undeformed, unconsolidated to semi-consolidated sedimentary deposits. The chemistry of the water near the surface is variable with low dissolved solids and high iron concentrations. The water chemistry in areas underlain by glauconitic sediments (such as Red Bank, Tinton and Hornerstown Sands) is dominated by calcium, magnesium, manganese, aluminum and iron. The sediments in the area of Fort Monmouth were deposited in fluvial-deltaic to near shore environments.

The water table aquifer in the Main Post Area is identified as part of the "Navesink-Hornerstown Confining Units," or minor aquifers. The minor aquifers include the Navesink formation, Red Bank Sand, Tinton Sand, Hornerstown Sand, Vincentown Formation, Manasquan Formation, Shark River Formation, Piney Point Formation and the basal clay of the Kirkwood Formation. These geologic formations comprise a "Composite Confining Bed" for the Wenonah Mount Laurel Aquifer (Zapecza, 1984).

Wells installed in the Red Bank and Tinton Sands produce 2 to 25 gallons per minute (gpm) (Jablonski, 1968). Groundwater is typically encountered at the Main Post and in the surrounding areas at shallow depths below ground surface (2 to 9 feet bgs). Water in the surficial aquifer generally flows east toward the Atlantic Ocean.

Based on a review of the NJDEP GWQS (NJAC 7:9-6), January 7, 1993, Versar has determined that the site is underlain by a Class III-A aquifer. A formal presentation of this finding was made to the NJDEP on April 17, 2001. The primary designated use for Class III-A groundwater is the release or transmittal of groundwater to adjacent classification areas and surface water, as relevant. Secondary designated uses in Class III-A include any reasonable use.

Shallow groundwater may be locally influenced within the Main Post Area by the following factors:

- Tidal influence (based on proximity to the Atlantic Ocean, rivers, and tributaries)
- Topography
- Nature of the fill material within the Main Post area
- Presence of clay and silt lenses in the natural overburden deposits
- Local groundwater recharge areas (i.e., streams, lakes)
- Roadways, utility conduits, and stormwater culverts

Due to the fluvial nature of the overburden deposits (e.g., sand and clay lenses), shallow groundwater flow direction is best determined on a case-by-case basis.

2.3.3 Soils

According to the U.S. Department of Agriculture (USDA), Soil Conservation Service, Monmouth County Soil Survey, the majority of the Main Post is covered by urban land (**Figure 2-3**). The soil survey described urban land as areas where concrete, asphalt, buildings, shopping centers, airports or other impervious surfaces cover 80 percent or more of the surface. In addition, the survey indicated that the natural subsurface soils have largely been replaced with artificial or foreign fill materials (developed land with disturbed soils). The following soil series and classification units are mapped in the Main Post Area:

- DoB Downer sandy loam (with 2 to 5 percent slopes);
- FrB Freehold sandy loam (with 2 to 5 percent slopes);
- FUB Freehold sandy loam/urban land complex (with 0 to 10 percent slopes);
- HV Humaquepts, frequently flooded;
- KvA Kresson loam (with 0 to 5 percent slopes);
- UA Udorthents, smoothed; and
- UD Udorthents – urban land complex (with 0 to 3 percent slopes).

The Downer series soils are well-drained soils that are found on uplands and terraces. The soils are formed in acid, silty coastal plain sediments. The Freehold soils are also well drained and are formed in acid, loamy, coastal plain sediments that, by volume, are one to 10 percent glauconite and are found on uplands. The Humaquepts soils are somewhat poorly- to very poorly-drained soils that are formed in stratified, sandy, or loamy sediments of fluvial origins. The Humaquepts soils are located on the floodplain and are subject to flooding several times each year. The Kresson loam is a nearly level to gently sloping soil and is somewhat poorly drained. The soil is found on low divides and in depressions. The Udorthents soils have been altered by excavation or filling activities. In filled areas, these soils consist of loamy material that is more than 20 inches thick. The filled areas include floodplain, tidal marshes and areas with moderately well drained to very poorly drained soils. Some Udorthent soils contain concrete, asphalt, metal and glass. The soils in the vicinity of the M-12 Landfill Site are classified as UA – Udorthents, smoothed, which may also include old sand and gravel pits that have been smoothed or filled in (Weston, 1995).

2.3.4 Topography and Surface Drainage

Over the last 80 years, the natural topography of Fort Monmouth has been altered by excavation and filling activities conducted by the military. The land surface at the Main Post is relatively flat and ranges in elevation from approximately 4 feet above mean sea level (amsl) in the east at Oceanport Creek to 32 feet amsl at the western end of the post, near Highway 35. The eastern half of the post is generally 10 feet amsl in elevation.

Surface water runoff from the western part of the Main Post flows into the Lafetra Creek to the north or into Mill Creek to the south. The USGS topographic map (**Figure 2-1**) shows the Lafetra Creek as Parkers Creek Branch and Mill Creek as Wampum. Both Mill Creek and Lafetra Creek originate off-post. Mill Creek flows along the southern boundary of the Main Post, turning north just past the Auto Craft Shop. Lafetra Creek forms the northern boundary of the Main Post and joins Mill Creek to form Parkers Creek. Husky Brook flows eastward in the southern part of the Main Post from Husky Brook Lake and into Oceanport Creek. Parkers Creek flows eastward along the northern boundary and joins Oceanport Creek east of the post. Most of Husky Brook, Parkers Creek, Lafetra Creek and Mill Creek are tidally influenced.

The U.S. Fish and Wildlife Service (FWS) National Wetland Inventory Long Branch quadrangle maps indicate the presence of wetlands at the Main Post. Parkers Creek and Oceanport Creek are classified as estuarine intertidal aquatic beds. The area of Parkers Creek and the part of Oceanport Creek/Husky Brook are classified as estuarine intertidal emergent wetlands. Lafetra Creek and Mill Creek are classified as riverine lower perennial open water/unknown bottom.

The M-4 Landfill Site is located on the east side of Mill Creek, which flows eastward into Parkers Creek. The USGS topographic map (**Figure 2-1**) shows that the land surface of the site is relatively flat at an elevation of less than 20 feet amsl. Surface water runoff from the M-4 Landfill Site is likely to flow west into Mill Creek.

3.0 SITE ACTIVITIES

The DPW conducted this remedial investigation in accordance that the NJDEP Technical Requirements for Site Remediation (N.J.A.C. 26:E) to characterize near surface soils and assess potential risks to human health or the environment. The remedial investigation activities consisted of the collection of near-surface soil samples at the M-4 Landfill Site. Remedial investigation activities were performed in March 1998. These activities were managed by the Fort Monmouth DPW and performed by TECOM-Vinnell Services (TVS). The details of remedial investigation activities that occurred at the M-4 Landfill Site are described below.

The DPW characterized the near-surface soils at the M-4 Landfill Site by completing 63 borings (B01-B63) at the site. Samples were collected using a 2-inch Geoprobe® Macrocore sampler. Sampling activities were performed in accordance with the *Fort Monmouth Standard Sampling Operating Procedure* (December 1997). A total of 126 soil samples were collected from the 63 borings and were analyzed for the presence of VOCs, SVOCs, pesticides, PCBs and TAL metals. The soil boring locations were located in and around the M-4 Landfill Site as identified in the Weston SI (1995). The locations of the borings were established in a grid-like pattern within the previously designated boundaries of the M-4 Landfill Site.

Each of the soil samples, except those prepared for VOC analysis, were collected between approximately 0 and 12 inches bgs. VOC samples were taken at approximately 24 inches bgs since surface soils would not be expected to retain volatile constituents over time.

Laboratory analyses of the samples collected at the M-4 Landfill Site were conducted at the Fort Monmouth Environmental Testing Laboratory (FMETL), a New Jersey certified laboratory (Certification No. 13461). The locations of these 63 borings are shown in **Figure 3-1**. A summary of the soil sample collection information and analyses performed is provided in **Table 3-1**. Soil sample laboratory data sheets are provided in **Appendix D**. Soil boring logs are presented in **Appendix E**. Soil analytical results are discussed in **Section 4.0**.

4.0 SOIL SAMPLING RESULTS AND COMPLIANCE ANALYSIS

A summary of the laboratory analytical results for near-surface soils at the M-4 Landfill Site is discussed below. The results were compared with the Cleanup Standards for Contaminated Sites (N.J.A.C. 7:26D), which was revised with Soil Cleanup Criteria dated May 12, 1999. The soil analytical results are presented by analyte (VOCs, SVOCs, Pesticides and PCBs and TAL Metals) and compare the analytical data with the NJDEP RDCSCC. Exceedences of the RDCSCC were subjected to further evaluation involving compliance averaging and site-specific considerations. All of the soil sample results in this report are expressed in milligrams per kilogram (mg/kg), equivalent to parts per million (ppm).

4.1 Soil Analytical Results

The analytical results from the 126 soil samples collected from 63 borings at the M-4 Landfill Site are discussed below, and are included in **Table 4-1**. The soil analytical data is provided in **Appendix D**. The data presented in **Table 4-1** are compared to the RDCSCC. Soil samples from the 63 borings at the M-4 Landfill Site were analyzed for VOCs, SVOCs, pesticides and PCBs and metals. The results that exceeded the respective RDCSCC are shaded in **Table 4-1**.

4.1.1 VOCs

VOC analyses were conducted on soil samples collected from the 63 soil borings at the M-4 Landfill Site. Each of these soil samples was collected at approximately the same depth range, 24 inches bgs. There were no exceedences of the NJDEP RDCSCC for any VOCs at any of the 63 soil borings.

4.1.2 SVOCs

SVOC analyses were conducted on soil samples collected from the 63 soil borings at the M-4 Landfill Site (see **Figure 4-1**). Each of these soil samples was collected at approximately the same depth range, 6-12 inches bgs.

Soil cleanup criteria for SVOCs were exceeded in 11 of the 63 soil boring locations. The borings that presented exceedences of SVOCs are listed in **Table 4-2**. Seven SVOCs were detected in site soils at concentrations above the RDCSCC. The seven SVOCs that exceeded the RDCSCC are, with number of exceedences in parentheses, Benzo(a)anthracene (3), Benzo(a)pyrene (5), Benzo(b)fluoranthene (2), Benzo(k)fluoranthene (2), Bis(2-ethylhexyl)phthalate (6), Dibenz(a,h)anthracene (1), and Indeno(1,2,3-cd)pyrene (2). **Table 4-3** presents a summary of the results, identifying the maximum, minimum and average exceedences for each of these parameters. A discussion of these exceedences is presented below.

- Benzo(a)anthracene was detected in three of the site soil samples above the RDCSCC of 0.9 mg/kg. The exceedence concentrations ranged from a minimum of 0.92 mg/kg (B58) to a maximum of 3.7 mg/kg (B09). The average exceedence concentration for Benzo(a)anthracene is 1.97 mg/kg.

- Benzo(a)pyrene was detected in five site soil samples above the RDCSCC of 0.66 mg/kg. The exceedence concentrations ranged from a minimum of 0.75 mg/kg (B46) to a maximum of 3.5 mg/kg (B09). The average exceedence concentration for Benzo(a)pyrene is 1.56 mg/kg.

- Benzo(b)fluoranthene was detected in two of the site soil samples above the RDCSCC of 0.9 mg/kg. The exceedence concentrations ranged from a minimum of 1.3 mg/kg (B47) to a maximum of 4.0 mg/kg (B09). The average exceedence concentration for Benzo(b)fluoranthene exceedences is 2.65 mg/kg.

- Benzo(k)fluoranthene was detected in two of the site soil samples above the RDCSCC of 0.9 mg/kg. The exceedence concentrations ranged from a minimum of 1.4 mg/kg (B47) to a maximum of 2.1 mg/kg (B09). The average exceedence concentration for Benzo(k)fluoranthene is 1.75 mg/kg.

- Bis(2-ethylhexyl)phthalate was detected in six site soil samples above the RDCSCC of 49 mg/kg. The exceedence concentrations ranged from a minimum of 1,500 mg/kg (B31) to a maximum of 10,538 mg/kg (B20). The average exceedence concentration for Bis(2-ethylhexyl)phthalate is 5,706.33 mg/kg.

- Dibenz(a,h)anthracene was detected in one site soil sample above the RDCSCC of 0.66 mg/kg at a concentration of 0.69 mg/kg (B09).

- Indeno(1,2,3-cd)pyrene was detected in two of the site soil samples above the RDCSCC of 0.9 mg/kg. The exceedence concentrations ranged from a minimum of 1.2 mg/kg (B47) to a maximum of 1.9 mg/kg (B09). The average exceedence concentration for Indeno(1,2,3-cd)pyrene is 1.55 mg/kg.

4.1.3 Pesticides and PCBs

Pesticide and PCB analyses were conducted on soil samples collected from the 63 borings at the M-4 Landfill Site (see **Figure 4-2**). Each of these soil samples was collected at approximately the same depth range, 6-12 inches bgs. Each of the 63 borings was analyzed for 19 pesticides and seven PCB compounds.

Soil cleanup criteria for pesticides were exceeded in one of the 63 soil boring locations. The borings that presented exceedences of pesticides are listed in **Table 4-2**. Two pesticides were detected in site soils at concentrations above the RDCSCC. The two pesticides that exceeded the RDCSCC are, with number of exceedences in parentheses, 4,4'-DDD (1) and 4,4'-DDE (1). **Table 4-3** presents a summary of the results,

identifying the maximum, minimum and average exceedences for each of these parameters. A discussion of these exceedences is presented below.

- 4,4'-DDD was detected in one site soil sample above the RDCSCC of 3.0 mg/kg at a concentration of 3.056 mg/kg (B55).

- 4,4'-DDE was detected in one site soil sample above the RDCSCC of 2.0 mg/kg at a concentration of 3.263 mg/kg (B55).

4.1.4 Metals

The soil samples from the 63 borings (see **Figure 4-3**) were analyzed for 24 TAL metals. The samples were collected from depths of 6-12 inches. A total of five metals were detected at concentrations above their respective RDCSCC at nine of 63 boring locations. The borings that contained exceedences of metals are listed in **Table 4-2**. The five metals that exceeded the RDCSCC in the borings are, with the number of exceedences in parentheses, Antimony (1), Arsenic (9), Beryllium (1), Selenium (1) and Thallium (1). **Table 4-3** presents a summary of the results, presenting the maximum, minimum and average exceedences for each of these parameters. A discussion of these exceedences is presented below.

- Antimony was detected in one site soil sample above the RDCSCC of 14 mg/kg at a concentration of 25.19 mg/kg (B34).

- Arsenic was detected in nine of the site soil samples above the RDCSCC of 20 mg/kg. The exceedence concentrations ranged from a minimum of 20.03 mg/kg (B13) to a maximum of 266 mg/kg (B34). The average exceedence concentration for Arsenic is 51.21 mg/kg.

- Beryllium was detected above the RDCSCC of 2.0 mg/kg in one site soil sample at a concentration of 7.534 mg/kg (B34).

- Selenium was detected above the RDCSCC of 63 mg/kg in one site soil sample at a concentration of 244.4 mg/kg (B34).

- Thallium was detected above the RDCSCC of 2.0 mg/kg in one site soil sample at a concentration of 242 mg/kg (B34).

4.2 Compliance Analysis Method

The first step in determining compliance with the NJDEP Technical Requirements for Site Remediation (7:26E) at the M-4 Landfill Site was to complete the soil sampling analysis. The analytical results from the 126 soil samples collected from 63 borings at the M-4 Landfill Site are discussed above and are included in **Table 4-1**. The method

used to determine regulatory compliance is portrayed as a decision tree in **Figure 4-5** and described below.

Figures 4-1, **4-2** and **4-3** present the analytical results for SVOCs, pesticides and PCBs and metals, respectively, by soil boring, for those analytes that exceeded the RDCSCC at one or more locations. The results for each analyte presented are uniquely colored at each boring location, and results that exceed the respective RDCSCC have been "boxed" in "red." These results are discussed in greater detail in **Section 4.2**. The borings that contained exceedences of the RDCSCC are shown in **Table 4-2**.

For many of the analytical results that exceeded the RDCSCC, the "compliance averaging" approach was then used to determine compliance with NJDEP technical requirements. Compliance averaging uses the average contaminant concentration in an area of concern rather than the contaminant concentration of individual samples for comparison to applicable soil cleanup criteria. The NJDEP policy for compliance averaging is presented in an article entitled, *Compliance Averaging*, from the NJDEP Spring 1995 (Volume 7, No. 2 – Article 08) issue of *Site Remediation News*.

There are several analyte-specific conditions that determine whether compliance averaging can be applied to an exceedence of NJDEP soil cleanup criteria, including maximum analytical results ("ceilings") for individual samples based on the particular NJDEP criterion, as well as specific requirements for arsenic, thallium, beryllium, Benzo(a)pyrene and Dibenz(a,h)anthracene. The compliance analysis method used for the M-4 Landfill Site for each detected analyte that exceeded the respective RDCSCC is summarized in the last column in **Table 4-4**.

Compliance averaging was performed for analytes that met the requirements as summarized in **Figure 4-5**. Compliance average areas were identified within the M-4 Landfill Site based on analyte category (such as VOCs, SVOCs, etc.). The boundaries for these areas of concern were based on areas within that M-4 Landfill Site that presented exceedences of the RDCSCC. Soil borings outside of the areas of concern (referred to as "clean areas" in NJDEP, 1995) presented contaminant concentrations below the RDCSCC and were not included in calculating compliance averages. The boundaries of the compliance average areas are shown in **Figures 4-1** (SVOCs), **4-2** (pesticides and PCBs) and **4-3** (metals). The compliance average area names are shown in **Appendix F**. The compliance average area names are defined according to the analyte category, such as "AREA VOC-1." When calculating average results, the following rules applied:

1) One-half the MDL was used for non-detect (ND) results.
2) If a sample was diluted, ND results were not used in computing the average.
3) For estimated results (results with "J" qualifiers), the estimated result was used for computing the averages.
4) Compliance averages were calculated as the mean of the results incorporating the ND and estimated results described above.

The compliance averages areas are presented in **Appendix F** and summarized in **Table 4-5**. Compliance averages that were below the NJDEP criteria for a particular analyte justify a recommendation for No Further Action. No Further Action was also justified if a compliance average meets the following conditions for *de minimus* exceedence:

1) Compliance averages met the same analyte-specific conditions that are used for determining whether compliance averaging can be applied,
2) Contaminant concentrations were found within a limited area (for the M-4 Landfill Site, a 15-foot radius, or one-half the grid-spacing, was used for the *de minimus* area determination),
3) Evaluation of contaminant mass, persistence, and location indicated limited potential for significant human health or environmental impacts, and
4) There can only be one *de minimus* exemption per area of concern.

Finally, if an analyte did not meet the *de minimus* conditions, or did not meet the analyte-specific conditions required to perform compliance averaging, additional site-specific parameters were considered as conditions for a No Further Action proposal. If further analysis of the analytical results did not define a "source area" or level of contamination that necessitated the identification and evaluation of potential remedial actions, then the exceedence was considered marginal, or an isolated location and no further action is warranted for the near surface soils. However, to further address the exceedences in the near surface soils, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan for soils at the M-4 Landfill Site presenting the exceedence.

4.3 Compliance Analysis

The Compliance analysis method used to evaluate exceedences of the RDCSCC is presented in **Table 4-4,** and the discussion below is presented for VOCs, SVOCs, pesticides and PCBs and metals and compares the analytical data with the RDCSCC. **Table 4-5** summarizes the compliance averaging results. A summary of the compliance analysis for analytes that exceeded the RDCSCC is provided in **Table 4-6**.

4.3.1 VOCs

There were no exceedences of the NJDEP RDCSCC for soils for any VOCs at any of the 63 soil borings. This finding supports a No Further Action determination relative to VOCs in near-surface soils at the M-4 Landfill Site.

4.3.2 SVOCs

Seven SVOCs were detected in site soils at concentrations above their respective RDCSCC: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Bis(2-ethylhexyl)phthalate, Dibenz(a,h)anthracene and Indeno(1,2,3-cd)pyrene. For the purposes of compliance analysis, the sample locations with exceedences of the RDCSCC for SVOCs have been grouped into one area, AREA

SVOC-1. The borings contained within this compliance average area are labeled in **Figure 4-2** and listed in **Appendix F**. The compliance analysis method for these compounds is presented in **Table 4-4**.

Benzo(a)anthracene (AREA SVOC-1)

Benzo(a)anthracene was detected in three of the site soil samples above the RDCSCC of 0.9 mg/kg at concentrations ranging from 0.92 mg/kg to 3.7 mg/kg (average exceedence concentration of 1.97 mg/kg).

Compliance averaging conducted for Benzo(a)anthracene in AREA SVOC-1 yielded the compliance average concentration of 0.366 mg/kg. Therefore, the compliance average for Benzo(a)anthracene in AREA SVOC-1 is below the RDCSCC of 0.9 mg/kg and is not of concern.

These findings support a No Further Action determination for Benzo(a)anthracene in near-surface soils at the M-4 Landfill Site.

Benzo(a)pyrene (AREA SVOC-1)

Benzo(a)pyrene was detected in five site soil samples above the RDCSCC of 0.66 mg/kg at concentrations ranging from 0.75 mg/kg to 3.5 mg/kg (average exceedence concentration of 1.56 mg/kg). Compliance averaging was not undertaken for Benzo(a)pyrene because, as described in the Spring 1995 *Site Remediation News* (Volume 7, Number 2), NJDEP's guidance regarding the use of multiplication factors (initially applied to RDCSCCs to limit the maximum allowable concentration for individual samples) had changed. NJDEP's current guidance is to apply the multiplication factors to health based criteria, not RDCSCC. The health-based criteria for Benzo(a)pyrene in soil is 0.09 mg/kg. Applying the 10X factor to 0.09 mg/kg means that no individual sample may exceed 0.9 mg/kg for the purposes of compliance averaging. Therefore, compliance averaging was not appropriate for the M-4 Landfill Site with respect to Benzo(a)pyrene.

Due to the limited presence of Benzo(a)pyrene in the area of the M-4 Landfill Site identified as AREA SVOC-1 at concentrations that are both above the RDCSCC and inappropriate for compliance averaging, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan. The DER equivalent will apply to soils presenting exceedences of Benzo(a)pyrene at the M-4 Landfill Site (AREA SVOC-1) and will be protective of human health and the environment. The DER equivalent supports a No Further Action determination for Benzo(a)pyrene in near-surface soils at the M-4 Landfill Site.

Benzo(b)fluoranthene (AREA SVOC-1)

Benzo(b)fluoranthene was detected in two of the site soil samples above the RDCSCC of 0.9 mg/kg at concentrations ranging from 1.3 mg/kg to 4.0 mg/kg (average exceedence concentration of 2.65 mg/kg).

Compliance averaging was conducted for Benzo(b)fluoranthene in AREA SVOC-1 and found to be 0.367mg/kg. Therefore, the compliance average for Benzo(b)fluoranthene in AREA SVOC-1 is below the RDCSCC of 0.9 mg/kg and is not of concern.

These findings support a No Further Action determination for Benzo(b)fluoranthene in near-surface soils at the M-4 Landfill Site.

Benzo(k)fluoranthene (AREA SVOC-1)

Benzo(k)fluoranthene was detected in two of the site soil samples above the RDCSCC of 0.9 mg/kg at concentrations ranging from 1.4 mg/kg to 2.1 mg/kg (average exceedence concentration of 1.75 mg/kg).

Compliance averaging was conducted for Benzo(k)fluoranthene in AREA SVOC-1 and found to be 0.318 mg/kg. Therefore, the compliance average for Benzo(k)fluoranthene in AREA SVOC-1 is below the RDCSCC of 0.9 mg/kg and is not of concern.

These findings support a No Further Action determination for Benzo(k)fluoranthene in near-surface soils at the M-4 Landfill Site.

Bis(2-ethylhexyl)phthalate (AREA SVOC-1)

Bis(2-ethylhexyl)phthalate was detected in six site soil samples above the RDCSCC of 49 mg/kg at concentrations ranging from 1,500 mg/kg to 10,538 mg/kg (average exceedence concentration of 5,706.33 mg/kg). Because the maximum concentration of Bis(2-ethylhexyl)phthalate was greater than the 5X ceiling limit of 245 mg/kg in AREA SVOC-1, compliance averaging was not appropriate for Bis(2-ethylhexyl)phthalate for this area of the M-4 Landfill Site.

Due to the limited presence of Bis(2-ethylhexyl)phthalate in the area of the site identified as AREA SVOC-1 at concentrations that are both above the RDCSCC and inappropriate for compliance averaging, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan. The DER equivalent will apply to soils presenting exceedences of Bis(2-ethylhexyl)phthalate at the M-4 Landfill Site (AREA SVOC-1) and will be protective of human health and the environment. The DER equivalent and compliance averaging approach support a No Further Action determination for Bis(2-ethylhexyl)phthalate in near-surface soils at the M-4 Landfill Site.

Dibenz(a,h)anthracene (AREA SVOC-1)

Dibenz(a,h)anthracene was detected in one site soil sample above the RDCSCC of 0.66 mg/kg at a concentration of 0.69 mg/kg.

Compliance averaging was conducted for Dibenz(a,h)anthracene in AREA SVOC-1 and found to be 0.269 mg/kg. Therefore, the compliance average for Dibenz(a,h)anthracene in AREA SVOC-1 is below the RDCSCC of 0.66 mg/kg and is not of concern.

These findings support a No Further Action determination for Dibenz(a,h)anthracene in near-surface soils at the M-4 Landfill Site.

Indeno(1,2,3-cd)pyrene (AREA SVOC-1)

Indeno(1,2,3-cd)pyrene was detected in two of the site soil samples above the RDCSCC of 0.9 mg/kg at concentrations ranging from 1.2 mg/kg to 1.9 mg/kg (average exceedence concentration of 1.55 mg/kg).

Compliance averaging conducted for Indeno(1,2,3-cd)pyrene in AREA SVOC-1 yielded the compliance average concentration of 0.315 mg/kg. Therefore, the compliance average for Indeno(1,2,3-cd)pyrene in AREA SVOC-1 does not exceed the RDCSCC of 0.9 mg/kg and is not of concern.

These findings support a No Further Action determination for Indeno(1,2,3-cd)pyrene in near-surface soils at the M-4 Landfill Site.

4.3.3 Pesticides and PCBs

Two pesticides were detected in site soils at concentrations above their respective RDCSCC: 4,4'-DDD and 4,4'-DDE. For the purposes of compliance analysis, the sample locations with exceedences of the RDCSCC for pesticides have been grouped into one area, AREA PESTPCB-1. The borings contained within this compliance average area are labeled in **Figure 4-3** and listed in **Appendix F**. The compliance analysis method for these compounds is presented in **Table 4-4**.

4,4'-DDD (AREA PESTPCB-1)

4,4'-DDD was detected in one site soil sample above the RDCSCC of 3.0 mg/kg at a concentration of 3.056 mg/kg.

Compliance averaging for 4,4'-DDD in AREA PESTPCB-1 yielded the compliance average concentration of 0.662mg/kg. Therefore, the compliance average for 4,4'-DDD in AREA PESTPCB-1 is below the RDCSCC of 3.0 mg/kg and is not of concern.

These findings support a No Further Action determination for 4,4'-DDD in near-surface soils at the M-4 Landfill Site.

4,4'-DDE (AREA PESTPCB-1)

4,4'-DDE was detected in one site soil sample above the RDCSCC of 2.0 mg/kg at a concentration of 3.263 mg/kg.

Compliance averaging for 4,4'-DDE in AREA PESTPCB-1 yielded the compliance average concentration of 0.801 mg/kg. Therefore, the compliance average for 4,4'-DDE in AREA PESTPCB-1 is below the RDCSCC of 2.0 mg/kg and is not of concern.

These findings support a No Further Action determination for 4,4'-DDE in near-surface soils at the M-4 Landfill Site.

4.3.4 Metals

Five metals were detected at concentrations above their respective RDCSCC: Antimony, Arsenic, Beryllium, Selenium and Thallium. For the purpose of compliance analysis, the sample locations with exceedences of the RDCSCC for metals have been grouped into one area, AREA METALS-1. The borings contained within these compliance average areas are labeled in **Figure 4-4** and listed in **Appendix F**. The compliance analysis method for these compounds is presented in **Table 4-4**.

Antimony (AREA METALS-1)

Antimony was detected in one site soil sample above the RDCSCC of 14 mg/kg at a concentration of 25.19 mg/kg.

Compliance averaging conducted for Antimony in AREA METALS-1 yielded the compliance average concentration of 1.988mg/kg. Therefore, the compliance average for Antimony in AREA METALS-1 is below the RDCSCC of 14 mg/kg and is not of concern.

These findings support a No Further Action determination relative to Antimony in near-surface soils at the M-4 Landfill Site.

Arsenic (AREA METALS-1)

Arsenic was detected in nine of the site soil samples above the RDCSCC of 20 mg/kg at concentrations ranging from 20.03 mg/kg to 266 mg/kg (average exceedence concentration of 47.23 mg/kg). Compliance averaging was not undertaken for Arsenic because, as described in the Spring 1995 *Site Remediation News* (Volume 7, Number 2), the 20 mg/kg RDCSCC for Arsenic is already 50 times higher than the health based number for arsenic (0.4 mg/kg). Many of these samples also exceeded the site-specific maximum background concentration for Arsenic in soils (Weston, 1995) of 22.9 mg/kg.

Due to the distribution of Arsenic in the area of the M-4 Landfill Site identified as AREA METALS-1 at concentrations that are both above the RDCSCC and inappropriate for

compliance averaging, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan. The DER equivalent will apply to soils presenting exceedences of Arsenic at the M-4 Landfill Site (AREA METALS-1) and will be protective of human health and the environment. The DER equivalent supports a No Further Action determination for Arsenic in near-surface soils at the M-4 Landfill Site.

Beryllium (AREA METALS-1)

Beryllium was detected above the RDCSCC of 2.0 mg/kg in one site soil sample at a concentration of 7.534 mg/kg. Compliance averaging was not undertaken for Beryllium because, as described in the Spring 1995 *Site Remediation News* (Volume 7, Number 2), compliance averaging is not appropriate for soil samples that present Beryllium concentrations that exceed 2.0 mg/kg.

Due to the limited presence of Beryllium in the area of the M-4 Landfill Site identified as AREA METALS-1 at concentrations that are both above the RDCSCC and inappropriate for compliance averaging, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan. The DER equivalent will apply to soils presenting exceedences of Beryllium at the M-4 Landfill Site (AREA METALS-1) and will be protective of human health and the environment. The DER equivalent supports a No Further Action determination for Beryllium in near-surface soils at the M-4 Landfill Site.

Selenium (AREA METALS-1)

Selenium was detected in one site soil sample above the RDCSCC of 63 mg/kg at a concentration of 244.4 mg/kg.

Compliance averaging conducted for Selenium in AREA METALS-1 yielded the compliance average concentration of 5.924 mg/kg. Therefore, the compliance average for Selenium in AREA METALS-1 is below the RDCSCC of 63 mg/kg and is not of concern.

These findings support a No Further Action determination relative to Selenium in near-surface soils at the M-4 Landfill Site.

Thallium (AREA METALS-1)

Thallium was detected above the RDCSCC of 2.0 mg/kg in one site soil sample at a concentration of 242 mg/kg. Compliance averaging was not undertaken for Thallium because, as described in the Spring 1995 *Site Remediation News* (Volume 7, Number 2), the 2.0 mg/kg RDCSCC for Thallium is already much higher than the health based number for Thallium (0.0 mg/kg).

Due to the limited presence of Thallium in the area of the site identified as AREA METALS-1 at concentrations that are both above the RDCSCC and inappropriate for compliance averaging, the DPW will incorporate a document equivalent to a DER into

the Fort Monmouth Master Plan. The DER equivalent will apply to soils presenting exceedences of Thallium at the M-4 Landfill Site (AREA METALS-1) and will be protective of human health and the environment. The DER equivalent and compliance averaging approach support a No Further Action determination for Thallium in near-surface soils at the M-4 Landfill Site.

5.0 CONCLUSIONS AND RECOMMENDATIONS

To demonstrate compliance equivalence of the existing soil cover over the M-4 Landfill Site with respect to the Solid Waste Disposal Act of 1965, DPW characterized the near-surface soils using 63 borings from strategic locations over the site. DPW installed soil borings and obtained soil samples in March 1998. All soil samples were analyzed for TCL Organics + 30 parameters and TAL metals. The data that exceeded the laboratory MDL and/or the NJDEP RDCSCC are summarized in table form in this RIR. Where applicable and appropriate, the data were evaluated utilizing the "compliance averaging" approach to determine compliance with NJDEP RDCSCC. The conclusions and recommendations of the evaluation of analytical results from the near-surface soils site characterization are provided below.

As discussed in **Section 4.1**, concentrations of SVOCs, pesticides and metals were detected exceeding the NJDEP RDCSCC. **Table 4-6** provides a summary of the compliance analysis discussed in this RIR. In all cases, further analysis of the analytical results did not define a "source area" or level of contamination that necessitated the identification and evaluation of potential remedial actions. In most cases, either the calculated compliance average was below the respective RDCSCC or the exceedence was considered marginal (e.g., within 1 to 2 mg/kg of the RDCSCC). However, to address the exceedences of analytes that did not meet cleanup requirements in the near surface soils, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan for soils containing these exceedences. As discussed in **Section 2.3.2.**, the M-4 Landfill Site is located within a Class-III-A aquifer (aquitard) zone, which would minimize the possibility of any contamination migrating offsite. The Army is therefore requesting a ***No Further Action*** for these parameters. The DER equivalent may be developed for the entire M-4 Landfill Site or be restricted to the following areas and analytes (see **Figures 4-1, 4-2**, **4-3** and **4-4** for the boundaries of these areas):

- AREA SVOC-1: Benzo(a)pyrene and Bis(2-ethylhexyl)phthalate
- AREA METALS-1: Arsenic, Beryllium and Thallium

Given the inactive and undisturbed status of the landfill, the performance of long-term surface water and groundwater monitoring proximate to the M-4 Landfill Site, the negligible impacts reported to-date, the lack of groundwater use at or downgradient of the M-4 Landfill Site and the relatively low levels of COCs in the shallow surface soils across the site, No Further Action is recommended for the near-surface soils at the M-4 Landfill Site.

6.0 REFERENCES

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TABLES

Table 3-1
Soil Sample Collection Summary
M-4 Landfill
Fort Monmouth, New Jersey

Boring ID	Field Sample ID	Lab Sample ID	Depth	Date Collected	Matrix	Analytical Parameters	Analytical Methods
B01	B01 (6-12")	3396.01	(6-12")	3/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B01	B01 (24")	3396.02	(24")	3/9/1998	Soil	VOCs	Method 8260
B02	B02 (6-12")	3396.03	(6-12")	3/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B02	B02 (24")	3396.04	(24")	3/9/1998	Soil	VOCs	Method 8260
B03	B03 (6-12")	3396.05	(6-12")	3/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B03	B03 (24")	3396.06	(24")	3/9/1998	Soil	VOCs	Method 8260
B04	B04 (6-12")	3398.01	(6-12")	3/10/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B04	B04 (24")	3398.02	(24")	3/10/1998	Soil	VOCs	Method 8260
B05	B05 (6-12")	3398.03	(6-12")	3/10/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B05	B05 (24")	3398.04	(24")	3/10/1998	Soil	VOCs	Method 8260
B06	B06 (6-12")	3398.05	(6-12")	3/10/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B06	B06 (24")	3398.06	(24")	3/10/1998	Soil	VOCs	Method 8260
B07	B07 (6-12")	3398.07	(6-12")	3/10/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B07	B07 (24")	3398.08	(24")	3/10/1998	Soil	VOCs	Method 8260
B08	B08 (6-12")	3398.09	(6-12")	3/10/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B08	B08 (24")	3398.10	(24")	3/10/1998	Soil	VOCs	Method 8260
B09	B09 (6-12")	3398.11	(6-12")	3/10/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B09	B09 (24")	3398.12	(24")	3/10/1998	Soil	VOCs	Method 8260
B10	B10 (6-12")	3398.13	(6-12")	3/10/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B10	B10 (24")	3398.14	(24")	3/10/1998	Soil	VOCs	Method 8260
B11	B11 (6-12")	3398.15	(6-12")	3/10/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B11	B11 (24")	3398.16	(24")	3/10/1998	Soil	VOCs	Method 8260
B12	B12 (6-12")	3398.17	(6-12")	3/10/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B12	B12 (24")	3398.18	(24")	3/10/1998	Soil	VOCs	Method 8260
B13	B13 (6-12")	3399.01	(6-12")	3/11/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B13	B13 (24")	3399.02	(24")	3/11/1998	Soil	VOCs	Method 8260
B14	B14 (6-12")	3399.03	(6-12")	3/11/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B14	B14 (24")	3399.04	(24")	3/11/1998	Soil	VOCs	Method 8260
B15	B15 (6-12")	3399.05	(6-12")	3/11/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B15	B15 (24")	3399.06	(24")	3/11/1998	Soil	VOCs	Method 8260
B16	B16 (6-12")	3399.07	(6-12")	3/11/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B16	B16 (24")	3399.08	(24")	3/11/1998	Soil	VOCs	Method 8260
B17	B17 (6-12")	3399.09	(6-12")	3/11/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B17	B17 (24")	3399.10	(24")	3/11/1998	Soil	VOCs	Method 8260
B18	B18 (6-12")	3399.11	(6-12")	3/11/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B18	B18 (24")	3399.12	(24")	3/11/1998	Soil	VOCs	Method 8260
B19	B19 (6-12")	3399.13	(6-12")	3/11/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B19	B19 (24")	3399.14	(24")	3/11/1998	Soil	VOCs	Method 8260
B20	B20 (6-12")	3399.15	(6-12")	3/11/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B20	B20 (24")	3399.16	(24")	3/11/1998	Soil	VOCs	Method 8260

Notes:
RDCSCC = Residential Direct Contact Cleanup Criteria pre N.J.A.C. 7:26D.
VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds.
Pest/PCBs = Pesticides/Polychlorinated-Biphenyls; TAL Metals = Target Analyte List Metals

Table 3-1
Soil Sample Collection Summary
M-4 Landfill
Fort Monmouth, New Jersey

Boring ID	Field Sample ID	Lab Sample ID	Depth	Date Collected	Matrix	Analytical Parameters	Analytical Methods
B21	B21 (6-12")	3399.17	(6-12")	3/11/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B21	B21 (24")	3399.18	(24")	3/11/1998	Soil	VOCs	Method 8260
B22	B22 (6-12")	3399.19	(6-12")	3/11/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B22	B22 (24")	3399.20	(24")	3/11/1998	Soil	VOCs	Method 8260
B23	B23 (6-12")	3399.21	(6-12")	3/11/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B23	B23 (24")	3399.22	(24")	3/11/1998	Soil	VOCs	Method 8260
B24	B24 (6-12")	3399.23	(6-12")	3/11/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B24	B24 (24")	3399.24	(24")	3/11/1998	Soil	VOCs	Method 8260
B25	B25 (6-12")	3399.25	(6-12")	3/11/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B25	B25 (24")	3399.26	(24")	3/11/1998	Soil	VOCs	Method 8260
B26	B26 (6-12")	3399.27	(6-12")	3/11/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B26	B26 (24")	3399.28	(24")	3/11/1998	Soil	VOCs	Method 8260
B27	B27 (6-12")	3399.31	(6-12")	3/11/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B27	B27 (24")	3399.32	(24")	3/11/1998	Soil	VOCs	Method 8260
B28	B28 (6-12")	3399.33	(6-12")	3/11/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B28	B28 (24")	3399.34	(24")	3/11/1998	Soil	VOCs	Method 8260
B29	B29 (6-12")	3399.35	(6-12")	3/11/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B29	B29 (24")	3399.36	(24")	3/11/1998	Soil	VOCs	Method 8260
B30	B30 (6-12")	3403.01	(6-12")	3/12/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B30	B30 (24")	3403.02	(24")	3/12/1998	Soil	VOCs	Method 8260
B31	B31 (6-12")	3403.03	(6-12")	3/12/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B31	B31 (24")	3403.04	(24")	3/12/1998	Soil	VOCs	Method 8260
B32	B32 (6-12")	3403.05	(6-12")	3/12/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B32	B32 (24")	3403.06	(24")	3/12/1998	Soil	VOCs	Method 8260
B33	B33 (6-12")	3403.07	(6-12")	3/12/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B33	B33 (24")	3403.08	(24")	3/12/1998	Soil	VOCs	Method 8260
B34	B34 (6-12")	3403.09	(6-12")	3/12/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B34	B34 (24")	3403.10	(24")	3/12/1998	Soil	VOCs	Method 8260
B35	B35 (6-12")	3403.11	(6-12")	3/12/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B35	B35 (24")	3403.12	(24")	3/12/1998	Soil	VOCs	Method 8260
B36	B36 (6-12")	3403.13	(6-12")	3/12/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B36	B36 (24")	3403.14	(24")	3/12/1998	Soil	VOCs	Method 8260
B37	B37 (6-12")	3403.15	(6-12")	3/12/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B37	B37 (24")	3403.16	(24")	3/12/1998	Soil	VOCs	Method 8260
B38	B38 (6-12")	3403.17	(6-12")	3/12/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B38	B38 (24")	3403.18	(24")	3/12/1998	Soil	VOCs	Method 8260
B39	B39 (6-12")	3403.19	(6-12")	3/12/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B39	B39 (24")	3403.20	(24")	3/12/1998	Soil	VOCs	Method 8260
B40	B40 (6-12")	3403.21	(6-12")	3/12/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B40	B40 (24")	3403.22	(24")	3/12/1998	Soil	VOCs	Method 8260

Notes:
RDCSCC = Residential Direct Contact Cleanup Criteria pre N.J.A.C. 7:26D.
VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds.
Pest/PCBs = Pesticides/Polychlorinated-Biphenyls; TAL Metals = Target Analyte List Metals

Table 3-1
Soil Sample Collection Summary
M-4 Landfill
Fort Monmouth, New Jersey

Boring ID	Field Sample ID	Lab Sample ID	Depth	Date Collected	Matrix	Analytical Parameters	Analytical Methods
B41	B41 (6-12")	3403.23	(6-12")	3/12/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B41	B41 (24")	3403.24	(24")	3/12/1998	Soil	VOCs	Method 8260
B42	B42 (6-12")	3403.25	(6-12")	3/12/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B42	B42 (24")	3403.26	(24")	3/12/1998	Soil	VOCs	Method 8260
B43	B43 (6-12")	3403.27	(6-12")	3/12/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B43	B43 (24")	3403.28	(24")	3/12/1998	Soil	VOCs	Method 8260
B44	B44 (6-12")	3403.29	(6-12")	3/12/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B44	B44 (24")	3403.30	(24")	3/12/1998	Soil	VOCs	Method 8260
B45	B45 (6-12")	3403.31	(6-12")	3/12/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B45	B45 (24")	3403.32	(24")	3/12/1998	Soil	VOCs	Method 8260
B46	B46 (6-12")	3403.33	(6-12")	3/12/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B46	B46 (24")	3403.34	(24")	3/12/1998	Soil	VOCs	Method 8260
B47	B47 (6-12")	3444.01	(6-12")	3/30/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B47	B47 (24")	3403.36	(24")	3/12/1998	Soil	VOCs	Method 8260
B48	B48 (6-12")	3444.02	(6-12")	3/30/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B48	B48 (24")	3403.40	(24")	3/12/1998	Soil	VOCs	Method 8260
B49	B49 (6-12")	3444.03	(6-12")	3/30/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B49	B49 (24")	3403.42	(24")	3/12/1998	Soil	VOCs	Method 8260
B50	B50 (6-12")	3408.01	(6-12")	3/13/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B50	B50 (24")	3408.02	(24")	3/13/1998	Soil	VOCs	Method 8260
B51	B51 (6-12")	3408.03	(6-12")	3/13/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B51	B51 (24")	3408.04	(24")	3/13/1998	Soil	VOCs	Method 8260
B52	B52 (6-12")	3408.05	(6-12")	3/13/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B52	B52 (24")	3408.06	(24")	3/13/1998	Soil	VOCs	Method 8260
B53	B53 (6-12")	3408.07	(6-12")	3/13/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B53	B53 (24")	3408.08	(24")	3/13/1998	Soil	VOCs	Method 8260
B54	B54 (6-12")	3408.09	(6-12")	3/13/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B54	B54 (24")	3408.10	(24")	3/13/1998	Soil	VOCs	Method 8260
B55	B55 (6-12")	3408.11	(6-12")	3/13/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B55	B55 (24")	3408.12	(24")	3/13/1998	Soil	VOCs	Method 8260
B56	B56 (6-12")	3408.13	(6-12")	3/13/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B56	B56 (24")	3408.14	(24")	3/13/1998	Soil	VOCs	Method 8260
B57	B57 (6-12")	3408.15	(6-12")	3/13/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B57	B57 (24")	3408.16	(24")	3/13/1998	Soil	VOCs	Method 8260
B58	B58 (6-12")	3408.17	(6-12")	3/13/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B58	B58 (24")	3408.18	(24")	3/13/1998	Soil	VOCs	Method 8260
B59	B59 (6-12")	3408.19	(6-12")	3/13/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B59	B59 (24")	3408.20	(24")	3/13/1998	Soil	VOCs	Method 8260
B60	B60 (6-12")	3408.21	(6-12")	3/13/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B60	B60 (24")	3408.22	(24")	3/13/1998	Soil	VOCs	Method 8260

Notes:
RDCSCC = Residential Direct Contact Cleanup Criteria pre N.J.A.C. 7:26D.
VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds.
Pest/PCBs = Pesticides/Polychlorinated-Biphenyls; TAL Metals = Target Analyte List Metals

Table 3-1
Soil Sample Collection Summary
M-4 Landfill
Fort Monmouth, New Jersey

Boring ID	Field Sample ID	Lab Sample ID	Depth	Date Collected	Matrix	Analytical Parameters	Analytical Methods
B61	B61 (6-12")	3408.23	(6-12")	3/13/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B61	B61 (24")	3408.24	(24")	3/13/1998	Soil	VOCs	Method 8260
B62	B62 (6-12")	3408.25	(6-12")	3/13/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B62	B62 (24")	3408.26	(24")	3/13/1998	Soil	VOCs	Method 8260
B63	B63 (6-12")	3408.27	(6-12")	3/13/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B63	B63 (24")	3408.28	(24")	3/13/1998	Soil	VOCs	Method 8260

Notes:
RDCSCC = Residential Direct Contact Cleanup Criteria pre N.J.A.C. 7:26D.
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Pest/PCBs = Pesticides/Polychlorinated-Biphenyls; TAL Metals = Target Analyte List Metals

Table 4-1
Soil Sampling Results
M-4 Landfill Site
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP Cleanup Criteria (mg/kg)	3396.01	3396.02	3396.03	3396.04	3396.05	3396.06	3398.01	3398.02	3398.03	3398.04	3398.05	3398.06	3398.07	3398.08
Field Sample Location		B01 (6-12")	B01 (24")	B02 (6-12")	B02 (24")	B03 (6-12")	B03 (24")	B04 (6-12")	B04 (24")	B05 (6-12")	B05 (24")	B06 (6-12")	B06 (24")	B07 (6-12")	B07 (24")
Sample Date		3/9/1998	3/9/1998	3/9/1998	3/9/1998	3/9/1998	3/9/1998	3/10/1998	3/10/1998	3/10/1998	3/10/1998	3/10/1998	3/10/1998	3/10/1998	3/10/1998
Volatiles (mg/kg)															
Acetone	1000		24		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		1.0		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)															
2-Methylnaphthalene	NLE	ND		ND		ND		ND		ND		ND		ND	
4-Methylphenol	2800	ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		ND		ND		ND		ND	
Anthracene	10,000	0.081J		ND		ND		ND		ND		ND		ND	
Benzo[a]anthracene	0.9	0.86		0.055J		ND		ND		ND		ND		ND	
Benzo[a]pyrene	0.66	1.0		0.14J		0.076J		ND		ND		ND		ND	
Benzo[b]fluoranthene	0.9	0.74		0.075J		0.058J		ND		ND		ND		ND	
Benzo[g,h,i]perylene	NLE	0.52J		0.096J		ND		ND		ND		ND		ND	
Benzo[k]fluoranthene	0.9	0.82		0.094J		0.070J		ND		ND		0.059J		ND	
bis(2-Ethylhexyl)phthalate	49	ND		0.064J		0.060J		0.061J		0.23J		0.056J		0.062J	
Chrysene	9	1.4		0.092J		0.065J		ND		0.058J		0.085J		ND	
Dibenz[a,h]anthracene	0.66	0.20J		ND		ND		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10,000	ND		0.059J		ND		ND		0.054J		ND		ND	
Di-n-butylphthalate	5700	0.24J		0.		0.		0.38J		0.50J		0.22J		0.53J	
Fluoranthene	2300	1.1		ND		ND		ND		ND		0.086J		ND	
Fluorene	2300	ND		ND		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	0.52J		0.11J		ND		ND		ND		ND		ND	
Naphthalene	230	ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	0.36J		ND		ND		ND		ND		ND		ND	
Pyrene	1700	1.1		ND		ND		ND		ND		0.090J		ND	
Pesticides/PCBs (mg/kg)															
4,4'-DDE	2	0.093		0.213		0.162		0.105		0.042		0.190		0.008	
Endosulfan II	NLE	ND		ND		ND		ND		ND		ND		ND	
4,4'-DDD	3	ND		0.040		0.040		0.043		ND		0.038		ND	
4,4'-DDT	2	0.168		0.035		0.034		0.034		0.041		0.059		ND	
Metals (mg/kg)															
Aluminum	NLE	9445		10130		14020		12760		15930		13620		8828	
Antimony	14	1.284		1.466		2.225		1.300		1.356		1.956		1.481	
Arsenic	20	12.96		12.27		22.31		7.751		9.701		12.05		8.095	
Barium	700	25.37		45.01		49.94		31.31		39.96		46.71		26.00	
Beryllium	2	0.8537		1.014		1.678		0.8095		1.061		1.202		1.007	
Cadmium	39	ND		ND		ND		ND		ND		ND		ND	
Calcium	NLE	1214		1870		2000		1030		1347		1590		1174	
Chromium	NLE	75.85		83.52		129.0		68.88		85.85		98.45		75.95	
Cobalt	NLE	1.315		1.765		2.714		1.734		2.150		2.312		1.325	
Copper	600	6.873		6.473		10.75		4.954		5.973		7.537		4.121	
Iron	NLE	23260		27010		41270		24520		29380		30740		24800	
Lead	400	35.59		20.29		22.22		9.185		11.77		17.06		8.044	
Magnesium	NLE	2528		2808		5079		2548		3319		3804		2717	
Manganese	NLE	35.52		36.78		56.29		27.33		33.97		51.08		36.11	
Mercury	14	0.063		0.042		0.050		0.0335		0.0329		0.0489		0.0282	
Nickel	250	4.741		5.959		8.751		5.768		7.245		7.622		5.251	
Potassium	NLE	7070		5790		11410		5828		7789		8158		7498	
Selenium	63	ND		ND		ND		ND		ND		ND		ND	
Silver	110	ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE	46.39		37.39		66.26		114.1		81.27		84.97		39.76	
Thallium	2	ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	34.02		31.28		50.05		40.86		49.68		49.62		35.85	
Zinc	1500	31.28		47.69		67.57		29.65		37.72		50.75		34.03	

NOTES:
ND = Not Detected
NLE = No Limit Established
J = Estimated Value: Mass spectrometer and retention time data indicate the presence of the analyte, however the result is less than the method detection limit, but greater than zero.

Table 4-1
Soil Sampling Results
M-4 Landfill Site
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP Cleanup Criteria (mg/kg)	3398.09	3398.10	3398.11	3398.12	3398.13	3398.14	3398.15	3398.16	3398.17	3398.18	3399.01	3399.02	3399.03	3399.04
Field Sample Location		B08 (6-12")	B08 (24")	B09 (6-12")	B09 (24")	B10 (6-12")	B10 (24")	B11 (6-12")	B11 (24")	B12 (6-12")	B12 (24")	B13 (6-12")	B13 (24")	B14 (6-12")	B14 (24")
Sample Date		3/10/1998	3/10/1998	3/10/1998	3/10/1998	3/10/1998	3/10/1998	3/10/1998	3/10/1998	3/10/1998	3/10/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998
Volatiles (mg/kg)															
Acetone	1000		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)															
2-Methylnaphthalene	NLE	ND		0.18J		ND		ND		ND		0.088J		ND	
4-Methylphenol	2800	ND		ND		ND		ND		ND		0.13J		ND	
Acenaphthene	3400	ND		1.8		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		0.11J		ND		ND		ND		ND	
Anthracene	10,000	ND		1.8		ND		ND		ND		ND		ND	
Benzo[a]anthracene	0.9	ND		3.7		0.23J		0.11J		0.25J		0.23J		0.13J	
Benzo[a]pyrene	0.66	ND		3.5		0.32J		0.15J		ND		0.21J		0.12J	
Benzo[b]fluoranthene	0.9	ND		4.0		0.17J		0.10J		0.069J		0.25J		0.14J	
Benzo[g,h,i]perylene	NLE	ND		1.6		ND		0.080J		ND		0.19J		ND	
Benzo[k]fluoranthene	0.9	ND		2.1		0.21J		0.087J		0.23J		0.21J		0.099J	
bis(2-Ethylhexyl)phthalate	49	0.062J		0.073J		0.074J		ND		0.11J		0.13J		0.098J	
Chrysene	9	ND		4.6		0.46J		0.18J		0.35J		0.49J		0.2J	
Dibenz[a,h]anthracene	0.66	ND		0.69		ND		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		0.54J		ND		ND		ND		ND		ND	
Diethylphthalate	10,000	ND		0.077J		0.11J		0.060J		0.16J		ND		ND	
Di-n-butylphthalate	5700	0.		0.47J		0.		0.28J		0.		0.55J		0.46J	
Fluoranthene	2300	ND		6.6		0.30J		0.17J		0.20J		0.46J		0.21J	
Fluorene	2300	ND		1.0		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	ND		1.9		0.22J		0.10J		ND		0.21J		ND	
Naphthalene	230	ND		0.77		0.056J		ND		ND		0.12J		ND	
Phenanthrene	NLE	ND		6.3		0.20J		0.10J		0.14J		0.25J		0.13J	
Pyrene	1700	ND		6.2		0.49J		0.18J		0.32J		0.48J		0.22J	
Pesticides/PCBs (mg/kg)															
4,4'-DDE	2	0.007		0.024		0.199		0.061		0.081		0.155		0.031	
Endosulfan II	NLE	ND		ND		ND		ND		ND		ND		0.008	
4,4'-DDD	3	ND		ND		0.051		0.036		0.086		0.066		ND	
4,4'-DDT	2	0.005		0.061		0.059		0.042		0.119		0.026		0.026	
Metals (mg/kg)															
Aluminum	NLE	6435		11800		13140		10280		14860		17930		12960	
Antimony	14	0.756		1.886		2.156		1.487		2.553		2.457		1.765	
Arsenic	20	4.872		15.67		16.23		9.697		25.22		20.03		18.43	
Barium	700	16.94		42.69		45.05		34.90		63.22		55.32		47.54	
Beryllium	2	0.4497		1.473		1.485		1.044		1.920		1.821		1.605	
Cadmium	39	ND		ND		ND		ND		ND		ND		ND	
Calcium	NLE	684.7		1695		1761		1504		1687		2946		2186	
Chromium	NLE	36.55		113.7		112.6		81.99		150.9		150.0		121.9	
Cobalt	NLE	1.100		2.041		2.579		1.681		2.807		3.356		3.055	
Copper	600	4.341		6.824		19.79		10.83		14.31		18.94		7.179	
Iron	NLE	12860		36160		35790		26750		46460		46470		38660	
Lead	400	16.24		22.24		35.74		21.95		33.22		39.36		18.69	
Magnesium	NLE	1223		4547		4495		2983		5838		6329		4893	
Manganese	NLE	23.54		47.22		59.79		42.69		73.85		74.08		156.8	
Mercury	14	0.0195		0.0716		0.0362		0.0352		0.0441		0.055		0.040	
Nickel	250	3.712		7.444		8.450		6.448		10.20		11.07		9.405	
Potassium	NLE	3267		9890		10310		6338		14310		13970		10620	
Selenium	63	ND		ND		ND		ND		ND		ND		ND	
Silver	110	ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE	39.17		205.3		188.0		90.27		202.3		218.9		79.45	
Thallium	2	ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	23.22		46.84		46.94		42.37		52.96		74.26		48.97	
Zinc	1500	25.78		56.89		78.94		47.55		90.04		91.33		67.23	

NOTES:
ND = Not Detected
NLE = No Limit Established
J = Estimated Value: Mass spectrometer and retention time data indicate the presence of the analyte, however the result is less than the method detection limit, but greater than zero.

Table 4-1
Soil Sampling Results
M-4 Landfill Site
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP Cleanup Criteria (mg/kg)	3399.05	3399.06	3399.07	3399.08	3399.09	3399.10	3399.11	3399.12	3399.13	3399.14	3399.15	3399.16	3399.17	3399.18
Field Sample Location		B15 (6-12")	B15 (24")	B16 (6-12")	B16 (24")	B17 (6-12")	B17 (24")	B18 (6-12")	B18 (24")	B19 (6-12")	B19 (24")	B20 (6-12")	B20 (24")	B21 (6-12")	B21 (24")
Sample Date		3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998
Volatiles (mg/kg)															
Acetone	1000		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)															
2-Methylnaphthalene	NLE	ND		ND		ND		0.17J		0.42J		ND		ND	
4-Methylphenol	2800	ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		ND		ND		ND		ND	
Anthracene	10,000	ND		ND		ND		ND		0.12J		ND		ND	
Benzo[a]anthracene	0.9	ND		0.076J		ND		ND		0.36J		ND		0.16J	
Benzo[a]pyrene	0.66	ND		ND		ND		ND		0.66		ND		0.25J	
Benzo[b]fluoranthene	0.9	ND		ND		ND		ND		0.42J		ND		0.16J	
Benzo[g,h,i]perylene	NLE	ND		ND		ND		ND		ND		ND		0.15J	
Benzo[k]fluoranthene	0.9	ND		0.066J		0.11J		ND		0.67		ND		0.16J	
bis(2-Ethylhexyl)phthalate	49	0.096J		0.12J		0.		0.35J		0.12J		10.54		0.11J	
Chrysene	9	0.069J		0.13J		0.18J		ND		1.2		ND		0.36J	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		0.13J		ND		ND	
Diethylphthalate	10,000	0.080J		ND		ND		ND		ND		ND		0.21J	
Di-n-butylphthalate	5700	0.56J		0.22J		0.2J		0.66J		0.2J		ND		0.	
Fluoranthene	2300	0.064J		0.11J		0.081J		0.22J		0.87		ND		0.26J	
Fluorene	2300	ND		ND		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	ND		ND		ND		ND		ND		ND		0.17J	
Naphthalene	230	ND		ND		ND		0.2J		0.47J		ND		ND	
Phenanthrene	NLE	ND		0.080J		0.063J		0.18J		0.8		ND		0.18J	
Pyrene	1700	0.075J		0.18J		0.14J		0.42J		1.2		ND		0.34J	
Pesticides/PCBs (mg/kg)															
4,4'-DDE	2	0.017		0.033		0.037		0.037		ND		ND		0.025	
Endosulfan II	NLE	ND		0.010		ND		ND		ND		ND		ND	
4,4'-DDD	3	0.001		0.003		0.017		0.015		ND		ND		ND	
4,4'-DDT	2	0.013		0.033		0.052		0.026		ND		ND		0.022	
Metals (mg/kg)															
Aluminum	NLE	7229		8273		13460		13460		8262		7344		75543	
Antimony	14	1.491		1.377		0.776		0.776		0.847		0.67		0.698	
Arsenic	20	11.68		12.41		12.59		12.59		10.61		6.726		11.04	
Barium	700	19.55		24.96		41.70		41.70		40.88		45.11		44.59	
Beryllium	2	0.7984		0.9890		0.9412		0.9412		0.8540		0.6179		0.7675	
Cadmium	39	ND		ND		ND		ND		ND		ND		ND	
Calcium	NLE	1330		1452		5545		5545		1839		1676		1537	
Chromium	NLE	81.31		85.01		130.8		74.84		55.22		38.05		55.85	
Cobalt	NLE	1.300		1.480		3.081		9.285		3.730		3.196		2.363	
Copper	600	7.592		9.626		10.83		52.39		51.16		62.67		26.96	
Iron	NLE	23250		26930		43610		31470		20450		16430		20310	
Lead	400	14.15		17.01		19.65		22.60		34.72		39.07		51.26	
Magnesium	NLE	2557		3033		5496		6310		2152		1674		2046	
Manganese	NLE	27.25		28.77		67.37		152.6		63.23		75.38		37.95	
Mercury	14	0.039		0.050		0.080		0.024		0.041		0.048		0.086	
Nickel	250	4.537		5.372		9.741		28.74		9.756		8.264		7.841	
Potassium	NLE	5417		6613		12940		8285		5453		3717		6382	
Selenium	63	ND		ND		0.726		ND		ND		ND		0.663	
Silver	110	ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE	47.50		87.05		140.7		634.1		28.88		151.5		118.4	
Thallium	2	ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	56.55		49.97		50.45		133.4		32.32		31.83		26.24	
Zinc	1500	44.11		43.34		70.58		63.70		134.5		50.75		44.38	

NOTES:
ND = Not Detected
NLE = No Limit Established
J = Estimated Value: Mass spectrometer and retention time data indicate the presence of the analyte, however the result is less than the method detection limit, but greater than zero.

Table 4-1
Soil Sampling Results
M-4 Landfill Site
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP Cleanup Criteria (mg/kg)	3399.19	3399.20	3399.21	3399.22	3399.23	3399.24	3399.25	3399.26	3399.27	3399.28	3399.31	3399.32	3399.33	3399.34
Field Sample Location		B22 (6-12")	B22 (24")	B23 (6-12")	B23 (24")	B24 (6-12")	B24 (24")	B25 (6-12")	B25 (24")	B26 (6-12")	B26 (24")	B27 (6-12")	B27 (24")	B28 (6-12")	B28 (24")
Sample Date		3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998	3/11/1998
Volatiles (mg/kg)															
Acetone	1000		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)															
2-Methylnaphthalene	NLE	ND		ND		ND		ND		ND		ND		ND	
4-Methylphenol	2800	ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		0.064J		ND		ND		ND		ND	
Anthracene	10,000	ND		ND		ND		ND		ND		ND		ND	
Benzo[a]anthracene	0.9	0.3J		0.11J		0.2J		ND		0.093J		ND		ND	
Benzo[a]pyrene	0.66	0.39J		ND		0.23J		ND		ND		ND		ND	
Benzo[b]fluoranthene	0.9	0.3J		0.091J		0.13J		ND		0.067J		ND		ND	
Benzo[g,h,i]perylene	NLE	ND		ND		0.16J		ND		ND		ND		ND	
Benzo[k]fluoranthene	0.9	0.23J		0.16J		0.29J		ND		0.1J		ND		ND	
bis(2-Ethylhexyl)phthalate	49	0.15J		0.18J		0.17J		0.04		0.1J		1.9		8.	
Chrysene	9	0.58		0.21J		0.46J		0.74J		0.16J		ND		ND	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10,000	ND		0.061J		0.33J		ND		ND		ND		ND	
Di-n-butylphthalate	5700	0.28J		0.		0.48J		1.2J		0.24J		1.3J		ND	
Fluoranthene	2300	0.5J		0.15J		0.36J		0.66J		0.16J		ND		ND	
Fluorene	2300	ND		ND		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	ND		ND		0.16J		ND		ND		ND		ND	
Naphthalene	230	ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	0.2J		0.11J		0.42J		ND		0.097J		ND		ND	
Pyrene	1700	0.57		0.26J		0.63		1.0J		0.19J		ND		ND	
Pesticides/PCBs (mg/kg)															
4,4'-DDE	2	0.075		0.134		0.277		0.283		0.080		1.035		0.130	
Endosulfan II	NLE	ND		ND		ND		ND		ND		ND		ND	
4,4'-DDD	3	ND		0.112		0.102		0.111		0.033		0.573		0.054	
4,4'-DDT	2	0.036		0.052		0.123		0.103		0.045		0.547		0.086	
Metals (mg/kg)															
Aluminum	NLE	9030		9257		7754		4361		6896		10810		7635	
Antimony	14	1.354		1.174		0.921		0.390		0.966		1.420		1.050	
Arsenic	20	14.00		9.005		9.278		7.189		7.951		17.79		16.85	
Barium	700	50.84		38.00		31.85		25.04		30.98		42.18		39.21	
Beryllium	2	0.9173		0.9090		0.7427		0.4093		0.7361		1.280		0.8306	
Cadmium	39	ND		ND		ND		0.1351		ND		ND		ND	
Calcium	NLE	2283		1903		2489		9215		1605		2457		2145	
Chromium	NLE	60.23		69.83		51.79		26.49		56.79		86.69		1897	
Cobalt	NLE	4.181		1.860		2.002		1.213		1.151		2.435		2.653	
Copper	600	31.60		12.13		20.36		14.38		5.834		8.497		14.05	
Iron	NLE	25640		22440		19070		11760		18300		30440		20890	
Lead	400	47.79		43.17		63.28		51.80		19.55		22.79		31.10	
Magnesium	NLE	2142		2827		2555		5489		1858		3446		2238	
Manganese	NLE	63.45		38.96		54.66		48.92		38.55		66.40		55.25	
Mercury	14	0.074		0.096		0.042		0.067		0.090		0.053		0.034	
Nickel	250	9.726		6.028		7.847		4.677		4.796		8.798		7.342	
Potassium	NLE	5928		6039		5748		51.80		4429		7038		6111	
Selenium	63	ND		0.286		ND		0.685		ND		ND		0.508	
Silver	110	ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE	85.07		94.95		87.82		49.99		119.1		57.86		92.32	
Thallium	2	ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	41.16		36.50		28.90		16.66		21.57		30.35		24.73	
Zinc	1500	96.52		87.61		89.06		52.40		40.01		70.01		56.38	

NOTES:
ND = Not Detected
NLE = No Limit Established
J = Estimated Value: Mass spectrometer and retention time data indicate the presence of the analyte, however the result is less than the method detection limit, but greater than zero.

Table 4-1
Soil Sampling Results
M-4 Landfill Site
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP Cleanup Criteria (mg/kg)	3399.35	3399.36	3403.01	3403.02	3403.03	3403.04	3403.05	3403.06	3403.07	3403.08	3403.09	3403.10	3403.11	3403.12
Field Sample Location		B29 (6-12")	B29 (24")	B30 (6-12")	B30 (24")	B31 (6-12")	B31 (24")	B32 (6-12")	B32 (24")	B33 (6-12")	B33 (24")	B34 (6-12")	B34 (24")	B35 (6-12")	B35 (24")
Sample Date		3/11/1998	3/11/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998
Volatiles (mg/kg)															
Acetone	1000		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)															
2-Methylnaphthalene	NLE	ND		ND		ND		ND		ND		ND		ND	
4-Methylphenol	2800	ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		ND		ND		ND		ND	
Anthracene	10,000	ND		ND		ND		ND		ND		ND		ND	
Benzo[a]anthracene	0.9	ND		ND		ND		0.18J		0.073J		0.059J		ND	
Benzo[a]pyrene	0.66	ND		ND		ND		0.16J		0.090J		0.064J		ND	
Benzo[b]fluoranthene	0.9	ND		ND		ND		0.11J		ND		ND		ND	
Benzo[g,h,i]perylene	NLE	ND		ND		ND		0.12J		0.084J		0.063J		ND	
Benzo[k]fluoranthene	0.9	ND		ND		ND		0.13J		0.056J		ND		ND	
bis(2-Ethylhexyl)phthalate	49	9.		3.3		1.5		0.12J		0.081J		0.077J		0.16J	
Chrysene	9	ND		ND		ND		0.22J		0.11J		0.094J		0.048J	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		0.095J		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10,000	ND		ND		ND		ND		ND		ND		ND	
Di-n-butylphthalate	5700	ND		ND		ND		0.057J		ND		0.35J		0.57J	
Fluoranthene	2300	ND		ND		ND		0.37J		0.1J		0.11J		ND	
Fluorene	2300	ND		ND		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	ND		ND		ND		0.13J		0.086J		0.062J		ND	
Naphthalene	230	ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	ND		ND		ND		0.12J		0.088J		ND		ND	
Pyrene	1700	ND		ND		ND		0.26J		0.11J		0.079J		0.061J	
Pesticides/PCBs (mg/kg)															
4,4'-DDE	2	0.086		0.022		0.174		0.069		0.008		0.03		0.012	
Endosulfan II	NLE	ND		ND		ND		ND		ND		ND		0.003	
4,4'-DDD	3	0.055		0.024		0.102		0.018		0.004		0.007		ND	
4,4'-DDT	2	0.088		0.017		0.128		0.049		0.029		0.013		0.011	
Metals (mg/kg)															
Aluminum	NLE	13440		7129		5509		4760		5664		12240		2508	
Antimony	14	2.608		2.353		0.551		0.646		0.743		25.19		0.664	
Arsenic	20	21.71		20.51		10.38		6.695		5.212		266.0		4.936	
Barium	700	54.77		54.33		29.39		29.77		17.11		301.5		7.602	
Beryllium	2	1.723		0.6548		0.6454		0.4611		0.3167		7.534		0.2595	
Cadmium	39	ND		ND		ND		ND		ND		6.102		ND	
Calcium	NLE	2145		7643		1709		1515		783.2		1745		670.8	
Chromium	NLE	122.0		142.4		41.66		29.77		35.60		108.7		35.96	
Cobalt	NLE	2.948		4.567		1.380		2.401		1.835		64.74		0.1813	
Copper	600	11.58		257.4		10.04		18.72		10.46		60.35		2.149	
Iron	NLE	40280		25140		15760		13530		11490		30970		7532	
Lead	400	20.23		57.22		21.27		43.74		12.38		104.5		1.518	
Magnesium	NLE	5081		1924		1526		1215		929.2		3453		956.9	
Manganese	NLE	55.22		70.63		36.64		48.32		19.63		110.3		4.277	
Mercury	14	0.025		0.016		0.028		0.043		0.014		0.028		0.063	
Nickel	250	9.403		13.31		4.738		6.569		3.612		72.26		0.9898	
Potassium	NLE	10820		3285		3867		2169		1823		6216		2266	
Selenium	63	ND		0.423		ND		ND		ND		244.4		ND	
Silver	110	ND		ND		ND		ND		ND		4.833		ND	
Sodium	NLE	89.84		165.7		33.10		59.76		138.5		103.4		62.79	
Thallium	2	ND		ND		ND		ND		ND		242.0		ND	
Vanadium	370	33.62		27.55		16.43		22.35		31.98		115.6		8.127	
Zinc	1500	67.11		54.09		38.48		46.20		27.11		162.8		10.73	

NOTES:
ND = Not Detected
NLE = No Limit Established
J = Estimated Value: Mass spectrometer and retention time data indicate the presence of the analyte, however the result is less than the method detection limit, but greater than zero.

Table 4-1
Soil Sampling Results
M-4 Landfill Site
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP Cleanup Criteria (mg/kg)	3403.13	3403.14	3403.15	3403.16	3403.17	3403.18	3403.19	3403.20	3403.21	3403.22	3403.23	3403.24	3403.25	3403.26
Field Sample Location		B36 (6-12")	B36 (24")	B37 (6-12")	B37 (24")	B38 (6-12")	B38 (24")	B39 (6-12")	B39 (24")	B40 (6-12")	B40 (24")	B41 (6-12")	B41 (24")	B42 (6-12")	B42 (24")
Sample Date		3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998
Volatiles (mg/kg)															
Acetone	1000		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)															
2-Methylnaphthalene	NLE	ND		ND		ND		ND		ND		ND		ND	
4-Methylphenol	2800	ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		0.1J		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		ND		ND		ND		ND	
Anthracene	10,000	ND		ND		ND		0.2J		ND		ND		ND	
Benzo[a]anthracene	0.9	ND		0.18J		ND		0.6		0.067J		0.14J		0.082J	
Benzo[a]pyrene	0.66	ND		0.21J		ND		0.57		0.087J		0.19J		0.1J	
Benzo[b]fluoranthene	0.9	ND		0.16J		ND		0.46J		ND		0.13J		0.072J	
Benzo[g,h,i]perylene	NLE	ND		0.18J		ND		0.38J		ND		0.13J		ND	
Benzo[k]fluoranthene	0.9	ND		0.17J		ND		0.37J		0.1J		0.19J		0.099J	
bis(2-Ethylhexyl)phthalate	49	ND		0.51J		ND		0.11J		0.13J		0.089J		0.12J	
Chrysene	9	0.75J		0.29J		ND		0.77		0.13J		0.27J		0.18J	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10,000	ND		ND		ND		ND		ND		ND		ND	
Di-n-butylphthalate	5700	ND		0.47J		0.89J		0.55J		0.49J		0.53J		0.23J	
Fluoranthene	2300	0.9J		0.28J		ND		1.4		0.12J		0.31J		0.18J	
Fluorene	2300	ND		ND		ND		0.070J		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	ND		0.17J		ND		0.41J		ND		0.14J		ND	
Naphthalene	230	ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	0.61J		0.17J		ND		0.74		0.066J		0.13J		0.11J	
Pyrene	1700	0.84J		0.32J		ND		1.0		0.11J		0.21J		0.15J	
Pesticides/PCBs (mg/kg)															
4,4'-DDE	2	0.192		0.063		0.030		0.070		0.055		0.073		0.101	
Endosulfan II	NLE	0.008		ND		0.005		ND		ND		0.008		ND	
4,4'-DDD	3	0.156		0.029		0.039		0.032		0.019		0.048		0.033	
4,4'-DDT	2	0.283		0.023		0.048		0.011		0.023		0.044		0.046	
Metals (mg/kg)															
Aluminum	NLE	7563		6754		8838		13160		9460		10070		8391	
Antimony	14	1.208		0.833		1.929		2.093		1.873		2.145		1.314	
Arsenic	20	9.209		10.74		12.98		20.66		17.72		19.16		15.72	
Barium	700	26.61		27.70		31.15		58.44		44.43		50.51		35.26	
Beryllium	2	0.7587		0.5435		1.130		1.716		1.171		1.279		0.9981	
Cadmium	39	ND		ND		ND		ND		ND		ND		ND	
Calcium	NLE	1964		2653		2564		2650		1751		2574		2255	
Chromium	NLE	58.00		48.97		91.27		131.9		93.44		97.05		76.75	
Cobalt	NLE	1.903		3.722		2.600		3.777		2.215		2.193		1.776	
Copper	600	20.72		20.27		9.050		7.270		8.687		9.789		8.903	
Iron	NLE	20600		16810		25710		40650		28820		30410		24800	
Lead	400	47.86		17.31		14.93		15.18		23.70		29.28		30.30	
Magnesium	NLE	2638		3319		3530		4651		3125		3693		3008	
Manganese	NLE	39.28		67.89		83.96		100.5		63.60		52.10		49.55	
Mercury	14	0.052		0.027		0.018		0.040		0.062		0.075		0.052	
Nickel	250	6.880		8.189		8.007		9.086		7.517		8.082		6.739	
Potassium	NLE	6895		4836		6366		10160		5995		6669		4758	
Selenium	63	ND		0.311		ND		0.446		ND		ND		ND	
Silver	110	ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE	59.07		255.5		101.6		76.50		54.90		84.44		52.01	
Thallium	2	ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	37.76		22.69		23.09		38.86		32.44		35.12		34.16	
Zinc	1500	63.19		35.78		56.88		73.32		60.25		65.96		60.64	

NOTES:
ND = Not Detected
NLE = No Limit Established
J = Estimated Value: Mass spectrometer and retention time data indicate the presence of the analyte, however the result is less than the method detection limit, but greater than zero.

Table 4-1
Soil Sampling Results
M-4 Landfill Site
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP Cleanup Criteria (mg/kg)	3403.27	3403.28	3403.29	3403.30	3403.31	3403.32	3403.33	3403.34	3444.01	3403.36	3444.02	3403.40	3444.03	3403.42
Field Sample Location		B43 (6-12")	B43 (24")	B44 (6-12")	B44 (24")	B45 (6-12")	B45 (24")	B46 (6-12")	B46 (24")	B47 (6-12")	B47 (24")	B48 (6-12")	B48 (24")	B49 (6-12")	B49 (24")
Sample Date		3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/12/1998	3/30/1998	3/12/1998	3/30/1998	3/12/1998	3/30/1998	3/12/1998
Volatiles (mg/kg)															
Acetone	1000		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		0.049J		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)															
2-Methylnaphthalene	NLE	ND		ND		ND		ND		ND		ND		ND	
4-Methylphenol	2800	ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		0.097J		ND		ND		ND	
Anthracene	10,000	ND		ND		0.12J		0.099J		0.24J		ND		ND	
Benzo[a]anthracene	0.9	0.12J		ND		0.093J		0.61		1.3		ND		ND	
Benzo[a]pyrene	0.66	0.17J		ND		0.11J		0.75		1.6		ND		ND	
Benzo[b]fluoranthene	0.9	0.11J		ND		0.071J		0.51J		1.3		ND		ND	
Benzo[g,h,i]perylene	NLE	0.1J		ND		0.058J		0.35J		1.1		0.13J		ND	
Benzo[k]fluoranthene	0.9	0.17J		ND		0.13J		0.56		1.4		0.15J		ND	
bis(2-Ethylhexyl)phthalate	49	0.1J		0.072J		0.21J		0.11J		0.17J		0.15J		0.15J	
Chrysene	9	0.23J		0.063J		0.16J		0.93		1.6		0.18J		ND	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		0.41J		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10,000	ND		ND		ND		ND		ND		ND		ND	
Di-n-butylphthalate	5700	0.		0.47J		0.26J		0.		3.7		3.4		3.4	
Fluoranthene	2300	0.29J		0.080J		0.2J		1.2		2.4		0.17J		ND	
Fluorene	2300	ND		ND		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	0.11J		ND		ND		0.38J		1.2		ND		ND	
Naphthalene	230	ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	0.12J		0.057J		0.12J		0.4J		0.66J		ND		ND	
Pyrene	1700	0.2J		0.058J		0.14J		0.81		2.1		0.17J		ND	
Pesticides/PCBs (mg/kg)															
4,4'-DDE	2	0.057		0.042		0.043		0.021		0.042		0.074		ND	
Endosulfan II	NLE	ND		ND		ND		0.011		ND		ND		ND	
4,4'-DDD	3	0.021		0.013		0.017		ND		0.014		0.043		ND	
4,4'-DDT	2	0.023		0.020		0.023		0.019		0.035		0.035		ND	
Metals (mg/kg)															
Aluminum	NLE	12010		10240		7337		7212		5794		15230		14850	
Antimony	14	1.621		1.587		1.320		1.344		0.649		2.731		2.930	
Arsenic	20	15.77		8.882		10.24		11.43		5.398		11.49		10.09	
Barium	700	43.89		30.53		30.44		38.98		34.47		64.95		66.47	
Beryllium	2	1.275		1.181		0.8449		0.9026		0.4261		1.417		1.385	
Cadmium	39	ND		ND		ND		ND		ND		ND		ND	
Calcium	NLE	1432		1129		1521		1892		2181		1105		1291	
Chromium	NLE	93.79		94.14		67.21		68.94		31.59		174.4		179.7	
Cobalt	NLE	3.053		1.407		1.300		3.325		1.340		1.312		1.341	
Copper	600	11.99		3.861		6.834		21.19		6.902		7.642		6.070	
Iron	NLE	33680		28840		20350		21770		11890		34910		34310	
Lead	400	22.50		9.522		32.34		37.68		69.47		13.33		8.121	
Magnesium	NLE	3542		3539		2369		2131		1266		5235		5362	
Manganese	NLE	91.67		40.10		43.74		38.60		41.10		23.87		22.80	
Mercury	14	0.065		0.031		0.054		0.042		0.036		0.042		0.034	
Nickel	250	9.795		6.188		5.052		6.810		4.669		5.982		5.757	
Potassium	NLE	6771		6444		5968		4027		2394		12030		11700	
Selenium	63	ND		ND		0.574		ND		ND		0.416		0.585	
Silver	110	ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE	95.94		83.79		53.97		60.76		75.82		145.7		168.1	
Thallium	2	ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	55.03		44.63		29.25		25.28		21.11		63.65		62.41	
Zinc	1500	57.34		37.47		43.91		125.8		73.25		53.73		55.37	

NOTES:
ND = Not Detected
NLE = No Limit Established
J = Estimated Value: Mass spectrometer and retention time data indicate the presence of the analyte, however the result is less than the method detection limit, but greater than zero.

Table 4-1
Soil Sampling Results
M-4 Landfill Site
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP Cleanup Criteria (mg/kg)	3408.01	3408.02	3408.03	3408.04	3408.05	3408.06	3408.07	3408.08	3408.09	3408.10	3408.11	3408.12	3408.13	3408.14
Field Sample Location		B50 (6-12")	B50 (24")	B51 (6-12")	B51 (24")	B52 (6-12")	B52 (24")	B53 (6-12")	B53 (24")	B54 (6-12")	B54 (24")	B55 (6-12")	B55 (24")	B56 (6-12")	B56 (24")
Sample Date		3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998
Volatiles (mg/kg)															
Acetone	1000		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)															
2-Methylnaphthalene	NLE	ND		0.075J		ND		ND		ND		ND		ND	
4-Methylphenol	2800	ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		ND		ND		ND		ND	
Anthracene	10,000	ND		ND		ND		ND		ND		ND		ND	
Benzo[a]anthracene	0.9	0.099J		0.28J		0.3J		ND		ND		0.14J		0.075J	
Benzo[a]pyrene	0.66	0.13J		0.34J		0.38J		ND		ND		0.17J		0.095J	
Benzo[b]fluoranthene	0.9	0.12J		0.24J		0.26J		ND		ND		0.11J		0.064J	
Benzo[g,h,i]perylene	NLE	ND		0.18J		0.23J		ND		ND		0.096J		ND	
Benzo[k]fluoranthene	0.9	0.095J		0.38J		0.37J		ND		0.065J		0.16J		0.086J	
bis(2-Ethylhexyl)phthalate	49	0.13J		0.17J		0.2J		0.096J		0.1J		0.12J		0.061J	
Chrysene	9	0.18J		0.52J		0.54J		0.091J		0.11J		0.28J		0.14J	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10,000	ND		ND		ND		ND		ND		ND		ND	
Di-n-butylphthalate	5700	0.		0.		0.		0.42J		0.27J		0.48J		0.14J	
Fluoranthene	2300	0.16J		0.65		0.61		0.086J		0.11J		0.3J		0.12J	
Fluorene	2300	ND		ND		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	ND		0.19J		ND		ND		ND		ND		ND	
Naphthalene	230	ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	0.081J		0.27J		0.27J		0.086J		0.071J		0.23J		0.080J	
Pyrene	1700	0.16J		0.54J		0.55J		0.092J		0.1J		0.32J		0.12J	
Pesticides/PCBs (mg/kg)															
4,4'-DDE	2	0.047		0.054		0.256		0.376		0.600		3.263		0.163	
Endosulfan II	NLE	ND		0.008		ND		ND		ND		ND		ND	
4,4'-DDD	3	0.058		0.047		0.188		0.175		0.205		3.056		0.073	
4,4'-DDT	2	0.016		0.044		0.236		0.124		0.247		1.539		0.086	
Metals (mg/kg)															
Aluminum	NLE	8151		12730		13290		7741		10610		11110		10680	
Antimony	14	0.976		1.247		NDRP		1.490		1.565		2.369		2.186	
Arsenic	20	7.422		8.636		24.96		7.025		13.65		11.22		10.14	
Barium	700	26.20		31.10		59.14		15.77		32.12		89.73		24.35	
Beryllium	2	0.7182		0.9375		1.590		0.8519		1.280		1.207		1.065	
Cadmium	39	ND		ND		ND		ND		ND		ND		ND	
Calcium	NLE	1269		1299		1792		1141		1138		1321		1568	
Chromium	NLE	63.39		79.45		109.3		79.46		104.0		135.9		135.3	
Cobalt	NLE	1.388		3.064		3.275		0.9690		1.842		1.986		1.161	
Copper	600	5.644		6.688		14.79		4.382		6.471		9.848		5.694	
Iron	NLE	20640		27360		43790		23620		31990		31160		30220	
Lead	400	20.93		25.74		28.11		13.03		18.31		182.1		9.413	
Magnesium	NLE	2397		2918		4727		2921		4046		3842		3643	
Manganese	NLE	17.92		22.82		59.07		20.37		41.93		40.93		23.45	
Mercury	14	0.031		0.039		0.063		0.055		0.063		0.118		0.033	
Nickel	250	4.984		7.351		9.428		3.802		6.245		6.915		5.351	
Potassium	NLE	5086		6320		10210		5180		7947		7598		6615	
Selenium	63	ND		ND		ND		ND		ND		ND		ND	
Silver	110	ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE	64.93		92.26		137.3		72.03		89.30		73.73		50.53	
Thallium	2	ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	35.80		44.50		54.72		41.10		46.21		50.22		45.64	
Zinc	1500	32.89		49.06		67.68		31.73		48.47		75.25		41.51	

NOTES:
ND = Not Detected
NLE = No Limit Established
J = Estimated Value: Mass spectrometer and retention time data indicate the presence of the analyte, however the result is less than the method detection limit, but greater than zero.

Table 4-1
Soil Sampling Results
M-4 Landfill Site
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP Cleanup Criteria (mg/kg)	3408.15	3408.16	3408.17	3408.18	3408.19	3408.20	3408.21	3408.22	3408.23	3408.24	3408.25	3408.26	3408.27	3408.28
Field Sample Location		B57 (6-12")	B57 (24")	B58 (6-12")	B58 (24")	B59 (6-12")	B59 (24")	B60 (6-12")	B60 (24")	B61 (6-12")	B61 (24")	B62 (6-12")	B62 (24")	B63 (6-12")	B63 (24")
Sample Date		3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998	3/13/1998
Volatiles (mg/kg)															
Acetone	1000		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)															
2-Methylnaphthalene	NLE	ND		ND		ND		ND		ND		ND		ND	
4-Methylphenol	2800	ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		ND		ND		ND		ND	
Anthracene	10,000	ND		0.28J		ND		ND		ND		ND		ND	
Benzo[a]anthracene	0.9	0.15J		0.92		0.067J		0.14J		0.19J		ND		ND	
Benzo[a]pyrene	0.66	0.15J		0.94		0.085J		0.18J		0.26J		ND		ND	
Benzo[b]fluoranthene	0.9	0.093J		0.76		ND		0.12J		0.18J		ND		ND	
Benzo[g,h,i]perylene	NLE	0.078J		0.47J		ND		0.13J		ND		ND		ND	
Benzo[k]fluoranthene	0.9	0.12J		0.71		0.11J		0.12J		0.22J		ND		ND	
bis(2-Ethylhexyl)phthalate	49	0.091J		0.097J		0.082J		0.14J		0.083J		0.11J		0.12J	
Chrysene	9	0.2J		1.3		0.11J		0.27J		0.36J		ND		ND	
Dibenz[a,h]anthracene	0.66	ND		0.42J		ND		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10,000	ND		ND		ND		ND		ND		ND		ND	
Di-n-butylphthalate	5700	0.45J		0.2J		0.26J		0.24J		0.26J		0.5J		0.49J	
Fluoranthene	2300	0.29J		1.9		0.1J		0.28J		0.51J		ND		ND	
Fluorene	2300	ND		0.089J		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	0.097J		0.54J		ND		ND		0.17J		ND		ND	
Naphthalene	230	ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	0.18J		0.98		ND		0.14J		0.23J		ND		ND	
Pyrene	1700	0.22J		1.6		0.090J		0.26J		0.35J		ND		ND	
Pesticides/PCBs (mg/kg)															
4,4'-DDE	2	0.207		0.057		0.067		0.187		0.283		0.003		0.183	
Endosulfan II	NLE	ND		0.005		ND		ND		ND		ND		ND	
4,4'-DDD	3	0.290		0.043		0.057		0.164		0.259		ND		0.032	
4,4'-DDT	2	0.329		0.039		0.054		0.046		0.355		0.007		0.113	
Metals (mg/kg)															
Aluminum	NLE	9156		6126		14580		8288		11360		7809		3825	
Antimony	14	1.634		0.751		1.701		1.648		2.181		1.501		0.735	
Arsenic	20	39.46		7.415		16.70		12.48		18.40		8.055		3.938	
Barium	700	32.87		41.94		41.40		45.90		40.30		12.76		9.505	
Beryllium	2	0.9149		0.4819		1.190		0.8244		1.344		0.8714		0.5270	
Cadmium	39	0.6475		ND		ND		ND		ND		ND		0.0616	
Calcium	NLE	2900		7771		1216		1255		711.0		932.3		569.2	
Chromium	NLE	90.87		27.81		107.7		81.01		106.2		79.73		40.66	
Cobalt	NLE	2.401		1.632		2.191		1.406		2.266		1.079		0.6481	
Copper	600	42.95		19.98		23.01		8.988		5.772		3.570		1.627	
Iron	NLE	26570		12200		33100		21840		33630		25180		12750	
Lead	400	38.42		28.48		39.60		21.00		16.36		5.622		4.535	
Magnesium	NLE	3133		1678		4010		2461		3761		2755		1352	
Manganese	NLE	48.42		97.82		63.55		22.21		52.54		22.08		12.34	
Mercury	14	0.078		0.052		0.061		0.063		0.057		0.026		0.020	
Nickel	250	9.223		5.185		6.428		5.831		7.260		4.255		2.492	
Potassium	NLE	5112		2472		7785		4846		7869		6284		3483	
Selenium	63	ND		ND		ND		ND		0.388		ND		ND	
Silver	110	ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE	63.01		93.04		75.37		61.85		50.28		44.23		26.58	
Thallium	2	ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	36.99		20.13		56.36		27.69		36.35		37.93		19.58	
Zinc	1500	61.17		58.84		71.37		50.69		59.44		29.2		18.08	

NOTES:
ND = Not Detected
NLE = No Limit Established
J = Estimated Value: Mass spectrometer and retention time data indicate the presence of the analyte, however the result is less than the method detection limit, but greater than zero.

Table 4-2
Borings in Which Detections Exceeded Criteria
M-4 Landfill
Fort Monmouth, New Jersey

Boring ID	Analyte
SVOCs - 11 Borings	
B01	
	Benzo(a)pyrene
B09	
	Benzo(a)anthracene
	Benzo(a)pyrene
	Benzo(b)fluoranthene
	Benzo(k)fluoranthene
	Dibenz(a,h)anthracene
	Indeno(1,2,3-cd)pyrene
B20	
	Bis(2-ethylhexyl)phthalate
B27	
	Bis(2-ethylhexyl)phthalate
B28	
	Bis(2-ethylhexyl)phthalate
B29	
	Bis(2-ethylhexyl)phthalate
B30	
	Bis(2-ethylhexyl)phthalate
B31	
	Bis(2-ethylhexyl)phthalate
B46	
	Benzo(a)pyrene
B47	
	Benzo(a)anthracene
	Benzo(a)pyrene
	Benzo(b)fluoranthene
	Benzo(k)fluoranthene
	Indeno(1,2,3-cd)pyrene
B58	
	Benzo(a)anthracene
	Benzo(a)pyrene
Pest/PCBs - 1 Borings	
B55	
	4,4'-DDD
	4,4'-DDE
Metals - 9 Borings	
B03	
	Arsenic
B12	
	Arsenic
B13	
	Arsenic

Notes:
RDCSCC = Residential Direct Contact Cleanup Criteria pre N.J.A.C. 7:26D.
VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds.
Pest/PCBs = Pesticides/Polychlorinated-Biphenyls.

Table 4-2
Borings in Which Detections Exceeded Criteria
M-4 Landfill
Fort Monmouth, New Jersey

Boring ID	Analyte
B29	
	Arsenic
B30	
	Arsenic
B34	
	Antimony
	Arsenic
	Beryllium
	Selenium
	Thallium
B39	
	Arsenic
B52	
	Arsenic
B57	
	Arsenic

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Pest/PCBs = Pesticides/Polychlorinated-Biphenyls.

Table 4-3
Laboratory Analysis Exceedance Summary
M-4 Landfill
Fort Monmouth, New Jersey

Analyte Name	RDCSC	Units	Number of Exceedances	Minimum Exceedance	Boring ID (Min)	Maximum Exceedance	Boring ID (Max)	Average Exceedance
SVOCs								
Benzo(a)anthracene	0.9	mg/kg	3	0.92	B58	3.7	B09	1.973
Benzo(a)pyrene	0.66	mg/kg	5	0.75	B46	3.5	B09	1.558
Benzo(b)fluoranthene	0.9	mg/kg	2	1.3	B47	4	B09	2.650
Benzo(k)fluoranthene	0.9	mg/kg	2	1.4	B47	2.1	B09	1.750
Bis(2-ethylhexyl)phthalate	49	mg/kg	6	1500	B31	10538	B20	5706.333
Dibenz(a,h)anthracene	0.66	mg/kg	1	0.69	B09	0.69	B09	0.690
Indeno(1,2,3-cd)pyrene	0.9	mg/kg	2	1.2	B47	1.9	B09	1.550
Pest/PCBs								
4,4'-DDD	3	mg/kg	1	3.056	B55	3.056	B55	3.056
4,4'-DDE	2	mg/kg	1	3.263	B55	3.263	B55	3.263
Metals								
Antimony	14	mg/kg	1	25.19	B34	25.19	B34	25.190
Arsenic	20	mg/kg	9	20.03	B13	266	B34	51.207
Beryllium	2	mg/kg	1	7.534	B34	7.534	B34	7.534
Selenium	63	mg/kg	1	244.4	B34	244.4	B34	244.400
Thallium	2	mg/kg	1	242	B34	242	B34	242.000

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VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds.
Pest/PCBs = Pesticides/Polychlorinated-Biphenyls.
Site Specific Maximum Concentrations were developed by Weston (1995) and may apply to arsenic and thallium in determining whether compliance averaging can be used per NJDEP (Spring 1995).

Table 4-4
Compliance Analysis Method Summary
M-4 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Average Area	RDCSCC	Units	Compliance Analysis Decision
SVOCs				
Benzo(a)anthracene	AREA SVOC-1	0.9	mg/kg	Compliance averaging used.
Benzo(a)pyrene	AREA SVOC-1	0.66	mg/kg	Compliance averaging not allowed due to exceedance of 0.9 ppm limit for Benzo(a)pyrene.
Benzo(b)fluoranthene	AREA SVOC-1	0.9	mg/kg	Compliance averaging used.
Benzo(k)fluoranthene	AREA SVOC-1	0.9	mg/kg	Compliance averaging used.
Bis(2-ethylhexyl)phthalate	AREA SVOC-1	49	mg/kg	Compliance averaging not allowed due to exceedance of the ceiling limit of 5X (for criterion >10 ppm and < 100 ppm).
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	mg/kg	Compliance averaging used.
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	mg/kg	Compliance averaging used.
Pest/PCBs				
4,4'-DDD	AREA PESTPCB-1	3	mg/kg	Compliance averaging used.
4,4'-DDE	AREA PESTPCB-1	2	mg/kg	Compliance averaging used.
Metals				
Antimony	AREA METALS-1	14	mg/kg	Compliance averaging used.
Arsenic	AREA METALS-1	20	mg/kg	Compliance averaging not allowed due to exceedance of RDCSCC and site-specific maximum (22.9 mg/kg, Weston-1995).

Notes:
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VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds.
Pest/PCBs = Pesticides/Polychlorinated-Biphenyls.
Site Specific Maximum Concentrations were developed by Weston (1995) and may apply to arsenic and thallium in determining whether compliance averaging can be used per NJDEP (Spring 1995).

Table 4-4
Compliance Analysis Method Summary
M-4 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Average Area	RDCSCC	Units	Compliance Analysis Decision
Beryllium	AREA METALS-1	2	mg/kg	Compliance averaging not allowed due to exceedance of 2 mg/kg limit for Beryllium.
Selenium	AREA METALS-1	63	mg/kg	Compliance averaging used.
Thallium	AREA METALS-1	2	mg/kg	Compliance averaging not allowed due to exceedance of 2 mg/kg limit for Thallium.

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Pest/PCBs = Pesticides/Polychlorinated-Biphenyls.
Site Specific Maximum Concentrations were developed by Weston (1995) and may apply to arsenic and thallium in determining whether compliance averaging can be used per NJDEP (Spring 1995).

Table 4-5
Compliance Averaging Results
M-4 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Area	RDCSCC	Boring ID	Result	Units	Exceeds Criteria	MDL	Dilution Factor	Result Used for Average
SVOCs									
Benzo(a)anthracene									
	AREA SVOC-1								
Benzo(a)anthracene	AREA SVOC-1	0.9	B01	0.86	mg/kg	no	0.54		0.86
Benzo(a)anthracene	AREA SVOC-1	0.9	B02	0.055J	mg/kg	no	0.54		0.055
Benzo(a)anthracene	AREA SVOC-1	0.9	B03	ND	mg/kg	no	0.54		0.27
Benzo(a)anthracene	AREA SVOC-1	0.9	B04	ND	mg/kg	no	0.54		0.27
Benzo(a)anthracene	AREA SVOC-1	0.9	B05	ND	mg/kg	no	0.54		0.27
Benzo(a)anthracene	AREA SVOC-1	0.9	B06	ND	mg/kg	no	0.54		0.27
Benzo(a)anthracene	AREA SVOC-1	0.9	B07	ND	mg/kg	no	0.57		0.285
Benzo(a)anthracene	AREA SVOC-1	0.9	B08	ND	mg/kg	no	0.52		0.26
Benzo(a)anthracene	AREA SVOC-1	0.9	B09	3.7	mg/kg	yes	0.54		3.7
Benzo(a)anthracene	AREA SVOC-1	0.9	B13	0.23J	mg/kg	no	0.54		0.23
Benzo(a)anthracene	AREA SVOC-1	0.9	B14	0.13J	mg/kg	no	0.54		0.13
Benzo(a)anthracene	AREA SVOC-1	0.9	B15	ND	mg/kg	no	0.57		0.285
Benzo(a)anthracene	AREA SVOC-1	0.9	B16	0.076J	mg/kg	no	0.54		0.076
Benzo(a)anthracene	AREA SVOC-1	0.9	B17	ND	mg/kg	no	0.58		0.29
Benzo(a)anthracene	AREA SVOC-1	0.9	B18	ND	mg/kg	no	0.8		0.4
Benzo(a)anthracene	AREA SVOC-1	0.9	B19	0.36J	mg/kg	no	0.54		0.36
Benzo(a)anthracene	AREA SVOC-1	0.9	B20	ND	mg/kg	no	0.54		0.27
Benzo(a)anthracene	AREA SVOC-1	0.9	B21	0.16J	mg/kg	no	0.54		0.16
Benzo(a)anthracene	AREA SVOC-1	0.9	B24	0.2J	mg/kg	no	0.54		0.2
Benzo(a)anthracene	AREA SVOC-1	0.9	B25	ND	mg/kg	no	0.54		0.27
Benzo(a)anthracene	AREA SVOC-1	0.9	B26	0.093J	mg/kg	no	0.54		0.093
Benzo(a)anthracene	AREA SVOC-1	0.9	B27	ND	mg/kg	no	0.54		0.27
Benzo(a)anthracene	AREA SVOC-1	0.9	B28	ND	mg/kg	no	0.31		0.155
Benzo(a)anthracene	AREA SVOC-1	0.9	B29	ND	mg/kg	no	0.29		0.145
Benzo(a)anthracene	AREA SVOC-1	0.9	B30	ND	mg/kg	no	0.28		0.14
Benzo(a)anthracene	AREA SVOC-1	0.9	B31	ND	mg/kg	no	0.11		0.055
Benzo(a)anthracene	AREA SVOC-1	0.9	B35	ND	mg/kg	no	0.6		0.3
Benzo(a)anthracene	AREA SVOC-1	0.9	B36	ND	mg/kg	no	0.54		0.27
Benzo(a)anthracene	AREA SVOC-1	0.9	B37	0.18J	mg/kg	no	0.54		0.18
Benzo(a)anthracene	AREA SVOC-1	0.9	B38	ND	mg/kg	no	0.53		0.265
Benzo(a)anthracene	AREA SVOC-1	0.9	B39	0.6	mg/kg	no	0.54		0.6
Benzo(a)anthracene	AREA SVOC-1	0.9	B40	0.067J	mg/kg	no	0.54		0.067
Benzo(a)anthracene	AREA SVOC-1	0.9	B41	0.14J	mg/kg	no	0.54		0.14
Benzo(a)anthracene	AREA SVOC-1	0.9	B42	0.082J	mg/kg	no	0.54		0.082
Benzo(a)anthracene	AREA SVOC-1	0.9	B46	0.61	mg/kg	no	0.54		0.61

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MDL = Method Detction Limit (shown only for "ND" Results); 0.5*MDL used for calculating average.
For samples with dilution factors greater than 1, "ND" results were not used (Dilution factors shown only for these cases).

Table 4-5
Compliance Averaging Results
M-4 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Area	RDCSCC	Boring ID	Result	Units	Exceeds Criteria	MDL	Dilution Factor	Result Used for Average
Benzo(a)anthracene	AREA SVOC-1	0.9	B47	1.3	mg/kg	yes	0.54		1.3
Benzo(a)anthracene	AREA SVOC-1	0.9	B48	ND	mg/kg	no	0.12		0.06
Benzo(a)anthracene	AREA SVOC-1	0.9	B49	ND	mg/kg	no	0.11		0.055
Benzo(a)anthracene	AREA SVOC-1	0.9	B50	0.099J	mg/kg	no	0.54		0.099
Benzo(a)anthracene	AREA SVOC-1	0.9	B51	0.28J	mg/kg	no	0.54		0.28
Benzo(a)anthracene	AREA SVOC-1	0.9	B58	0.92	mg/kg	yes	0.54		0.92
						Compliance Average Result:			**0.366**

Benzo(b)fluoranthene

AREA SVOC-1

Benzo(b)fluoranthene	AREA SVOC-1	0.9	B01	0.74	mg/kg	no	0.54		0.74
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B02	0.075J	mg/kg	no	0.54		0.075
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B03	0.058J	mg/kg	no	0.54		0.058
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B04	ND	mg/kg	no	0.54		0.27
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B05	ND	mg/kg	no	0.54		0.27
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B06	ND	mg/kg	no	0.54		0.27
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B07	ND	mg/kg	no	0.57		0.285
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B08	ND	mg/kg	no	0.53		0.265
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B09	4	mg/kg	yes	0.54		4
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B13	0.25J	mg/kg	no	0.54		0.25
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B14	0.14J	mg/kg	no	0.54		0.14
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B15	ND	mg/kg	no	0.57		0.285
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B16	ND	mg/kg	no	0.53		0.265
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B17	ND	mg/kg	no	0.58		0.29
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B18	ND	mg/kg	no	0.8		0.4
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B19	0.42J	mg/kg	no	0.54		0.42
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B20	ND	mg/kg	no	0.54		0.27
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B21	0.16J	mg/kg	no	0.54		0.16
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B24	0.13J	mg/kg	no	0.54		0.13
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B25	ND	mg/kg	no	0.54		0.27
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B26	0.067J	mg/kg	no	0.54		0.067
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B27	ND	mg/kg	no	0.54		0.27
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B28	ND	mg/kg	no	0.31		0.155
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B29	ND	mg/kg	no	0.29		0.145
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B30	ND	mg/kg	no	0.28		0.14
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B31	ND	mg/kg	no	0.11		0.055
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B35	ND	mg/kg	no	0.6		0.3
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B36	ND	mg/kg	no	0.54		0.27
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B37	0.16J	mg/kg	no	0.54		0.16

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For samples with dilution factors greater than 1, "ND" results were not used (Dilution factors shown only for these cases).

Table 4-5
Compliance Averaging Results
M-4 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Area	RDCSCC	Boring ID	Result	Units	Exceeds Criteria	MDL	Dilution Factor	Result Used for Average
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B38	ND	mg/kg	no	0.53		0.265
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B39	0.46J	mg/kg	no	0.54		0.46
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B40	ND	mg/kg	no	0.58		0.29
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B41	0.13J	mg/kg	no	0.54		0.13
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B42	0.072J	mg/kg	no	0.54		0.072
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B46	0.51J	mg/kg	no	0.54		0.51
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B47	1.3	mg/kg	yes	0.54		1.3
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B48	ND	mg/kg	no	0.12		0.06
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B49	ND	mg/kg	no	0.11		0.055
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B50	0.12J	mg/kg	no	0.54		0.12
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B51	0.24J	mg/kg	no	0.54		0.24
Benzo(b)fluoranthene	AREA SVOC-1	0.9	B58	0.76	mg/kg	no	0.54		0.76
						Compliance Average Result:			**0.364**

Benzo(k)fluoranthene

AREA SVOC-1

Benzo(k)fluoranthene	AREA SVOC-1	0.9	B01	0.82	mg/kg	no	0.54		0.82
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B02	0.094J	mg/kg	no	0.54		0.094
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B03	0.070J	mg/kg	no	0.54		0.07
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B04	ND	mg/kg	no	0.54		0.27
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B05	ND	mg/kg	no	0.54		0.27
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B06	0.059J	mg/kg	no	0.54		0.059
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B07	ND	mg/kg	no	0.57		0.285
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B08	ND	mg/kg	no	0.53		0.265
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B09	2.1	mg/kg	yes	0.54		2.1
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B13	0.21J	mg/kg	no	0.54		0.21
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B14	0.099J	mg/kg	no	0.54		0.099
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B15	ND	mg/kg	no	0.57		0.285
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B16	0.066J	mg/kg	no	0.54		0.066
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B17	0.11J	mg/kg	no	0.54		0.11
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B18	ND	mg/kg	no	0.8		0.4
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B19	0.67	mg/kg	no	0.54		0.67
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B20	ND	mg/kg	no	0.54		0.27
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B21	0.16J	mg/kg	no	0.54		0.16
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B24	0.29J	mg/kg	no	0.54		0.29
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B25	ND	mg/kg	no	0.54		0.27
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B26	0.1J	mg/kg	no	0.54		0.1
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B27	ND	mg/kg	no	0.54		0.27
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B28	ND	mg/kg	no	0.31		0.155

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For samples with dilution factors greater than 1, "ND" results were not used (Dilution factors shown only for these cases).

Table 4-5
Compliance Averaging Results
M-4 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Area	RDCSCC	Boring ID	Result	Units	Exceeds Criteria	MDL	Dilution Factor	Result Used for Average
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B29	ND	mg/kg	no	0.29		0.145
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B30	ND	mg/kg	no	0.28		0.14
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B31	ND	mg/kg	no	0.11		0.055
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B35	ND	mg/kg	no	0.6		0.3
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B36	ND	mg/kg	no	0.54		0.27
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B37	0.17J	mg/kg	no	0.54		0.17
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B38	ND	mg/kg	no	0.53		0.265
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B39	0.37J	mg/kg	no	0.54		0.37
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B40	0.1J	mg/kg	no	0.54		0.1
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B41	0.19J	mg/kg	no	0.54		0.19
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B42	0.099J	mg/kg	no	0.54		0.099
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B46	0.56	mg/kg	no	0.54		0.56
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B47	1.4	mg/kg	yes	0.54		1.4
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B48	0.15J	mg/kg	no	0.54		0.15
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B49	ND	mg/kg	no	0.11		0.055
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B50	0.095J	mg/kg	no	0.54		0.095
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B51	0.38J	mg/kg	no	0.54		0.38
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B58	0.71	mg/kg	no	0.54		0.71
						Compliance Average Result:			**0.318**

Dibenz(a,h)anthracene

AREA SVOC-1

Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B01	0.20J	mg/kg	no	0.54		0.2
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B02	ND	mg/kg	no	0.55		0.275
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B03	ND	mg/kg	no	0.54		0.27
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B04	ND	mg/kg	no	0.54		0.27
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B05	ND	mg/kg	no	0.54		0.27
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B06	ND	mg/kg	no	0.54		0.27
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B07	ND	mg/kg	no	0.57		0.285
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B08	ND	mg/kg	no	0.53		0.265
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B09	0.69	mg/kg	yes	0.54		0.69
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B13	ND	mg/kg	no	0.56		0.28
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B14	ND	mg/kg	no	0.57		0.285
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B15	ND	mg/kg	no	0.57		0.285
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B16	ND	mg/kg	no	0.53		0.265
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B17	ND	mg/kg	no	0.58		0.29
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B18	ND	mg/kg	no	0.8		0.4
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B19	ND	mg/kg	no	0.55		0.275
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B20	ND	mg/kg	no	0.54		0.27

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Table 4-5
Compliance Averaging Results
M-4 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Area	RDCSCC	Boring ID	Result	Units	Exceeds Criteria	MDL	Dilution Factor	Result Used for Average
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B21	ND	mg/kg	no	0.55		0.275
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B24	ND	mg/kg	no	0.55		0.275
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B25	ND	mg/kg	no	0.55		0.275
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B26	ND	mg/kg	no	0.57		0.285
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B27	ND	mg/kg	no	0.56		0.28
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B28	ND	mg/kg	no	0.31		0.155
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B29	ND	mg/kg	no	0.29		0.145
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B30	ND	mg/kg	no	0.28		0.14
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B31	ND	mg/kg	no	0.11		0.055
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B35	ND	mg/kg	no	0.6		0.3
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B36	ND	mg/kg	no	0.54		0.27
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B37	ND	mg/kg	no	0.55		0.275
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B38	ND	mg/kg	no	0.53		0.265
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B39	ND	mg/kg	no	0.57		0.285
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B40	ND	mg/kg	no	0.58		0.29
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B41	ND	mg/kg	no	0.55		0.275
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B42	ND	mg/kg	no	0.58		0.29
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B46	ND	mg/kg	no	0.52		0.26
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B47	0.41J	mg/kg	no	0.54		0.41
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B48	ND	mg/kg	no	0.12		0.06
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B49	ND	mg/kg	no	0.11		0.055
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B50	ND	mg/kg	no	0.54		0.27
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B51	ND	mg/kg	no	0.54		0.27
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B58	0.42J	mg/kg	no	0.54		0.42
						Compliance Average Result:			**0.269**

Indeno(1,2,3-cd)pyrene

AREA SVOC-1

Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B01	0.52J	mg/kg	no	0.54		0.52
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B02	0.11J	mg/kg	no	0.54		0.11
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B03	ND	mg/kg	no	0.54		0.27
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B04	ND	mg/kg	no	0.54		0.27
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B05	ND	mg/kg	no	0.54		0.27
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B06	ND	mg/kg	no	0.54		0.27
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B07	ND	mg/kg	no	0.57		0.285
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B08	ND	mg/kg	no	0.52		0.26
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B09	1.9	mg/kg	yes	0.54		1.9
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B13	0.21J	mg/kg	no	0.54		0.21
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B14	ND	mg/kg	no	0.57		0.285

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Table 4-5
Compliance Averaging Results
M-4 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Area	RDCSCC	Boring ID	Result	Units	Exceeds Criteria	MDL	Dilution Factor	Result Used for Average
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B15	ND	mg/kg	no	0.57		0.285
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B16	ND	mg/kg	no	0.53		0.265
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B17	ND	mg/kg	no	0.58		0.29
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B18	ND	mg/kg	no	0.8		0.4
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B19	ND	mg/kg	no	0.55		0.275
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B20	ND	mg/kg	no	0.54		0.27
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B21	0.17J	mg/kg	no	0.54		0.17
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B24	0.16J	mg/kg	no	0.54		0.16
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B25	ND	mg/kg	no	0.54		0.27
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B26	ND	mg/kg	no	0.57		0.285
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B27	ND	mg/kg	no	0.54		0.27
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B28	ND	mg/kg	no	0.31		0.155
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B29	ND	mg/kg	no	0.29		0.145
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B30	ND	mg/kg	no	0.28		0.14
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B31	ND	mg/kg	no	0.11		0.055
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B35	ND	mg/kg	no	0.6		0.3
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B36	ND	mg/kg	no	0.54		0.27
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B37	0.17J	mg/kg	no	0.54		0.17
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B38	ND	mg/kg	no	0.53		0.265
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B39	0.41J	mg/kg	no	0.54		0.41
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B40	ND	mg/kg	no	0.58		0.29
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B41	0.14J	mg/kg	no	0.54		0.14
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B42	ND	mg/kg	no	0.58		0.29
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B46	0.38J	mg/kg	no	0.54		0.38
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B47	1.2	mg/kg	yes	0.54		1.2
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B48	ND	mg/kg	no	0.12		0.06
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B49	ND	mg/kg	no	0.11		0.055
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B50	ND	mg/kg	no	0.54		0.27
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B51	0.19J	mg/kg	no	0.54		0.19
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B58	0.54J	mg/kg	no	0.54		0.54
						Compliance Average Result:			**0.315**

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Table 4-5
Compliance Averaging Results
M-4 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Area	RDCSCC	Boring ID	Result	Units	Exceeds Criteria	MDL	Dilution Factor	Result Used for Average
Pest/PCBs									
4,4'-DDD									
	AREA PESTPCB-1								
4,4'-DDD	AREA PESTPCB-1	3	B43	0.021	mg/kg	no			0.021
4,4'-DDD	AREA PESTPCB-1	3	B44	0.013	mg/kg	no			0.013
4,4'-DDD	AREA PESTPCB-1	3	B45	0.017	mg/kg	no			0.017
4,4'-DDD	AREA PESTPCB-1	3	B54	0.205	mg/kg	no			0.205
4,4'-DDD	AREA PESTPCB-1	3	B55	3.056	mg/kg	yes			3.056
						Compliance Average Result:			**0.662**
4,4'-DDE									
	AREA PESTPCB-1								
4,4'-DDE	AREA PESTPCB-1	2	B43	0.057	mg/kg	no			0.057
4,4'-DDE	AREA PESTPCB-1	2	B44	0.042	mg/kg	no			0.042
4,4'-DDE	AREA PESTPCB-1	2	B45	0.043	mg/kg	no			0.043
4,4'-DDE	AREA PESTPCB-1	2	B54	0.6	mg/kg	no			0.6
4,4'-DDE	AREA PESTPCB-1	2	B55	3.263	mg/kg	yes			3.263
						Compliance Average Result:			**0.801**

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For samples with dilution factors greater than 1, "ND" results were not used (Dilution factors shown only for these cases).

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Compliance Averaging Results
M-4 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Area	RDCSCC	Boring ID	Result	Units	Exceeds Criteria	MDL	Dilution Factor	Result Used for Average
Metals									
Antimony									
	AREA METALS-1								
Antimony	AREA METALS-1	14	B01	1.284	mg/kg	no			1.284
Antimony	AREA METALS-1	14	B02	1.466	mg/kg	no			1.466
Antimony	AREA METALS-1	14	B03	2.225	mg/kg	no			2.225
Antimony	AREA METALS-1	14	B11	1.487	mg/kg	no			1.487
Antimony	AREA METALS-1	14	B12	2.553	mg/kg	no			2.553
Antimony	AREA METALS-1	14	B13	2.457	mg/kg	no			2.457
Antimony	AREA METALS-1	14	B14	1.765	mg/kg	no			1.765
Antimony	AREA METALS-1	14	B15	1.491	mg/kg	no			1.491
Antimony	AREA METALS-1	14	B16	1.377	mg/kg	no			1.377
Antimony	AREA METALS-1	14	B20	0.67	mg/kg	no			0.67
Antimony	AREA METALS-1	14	B21	0.698	mg/kg	no			0.698
Antimony	AREA METALS-1	14	B22	1.354	mg/kg	no			1.354
Antimony	AREA METALS-1	14	B23	1.174	mg/kg	no			1.174
Antimony	AREA METALS-1	14	B24	0.921	mg/kg	no			0.921
Antimony	AREA METALS-1	14	B25	0.39	mg/kg	no			0.39
Antimony	AREA METALS-1	14	B26	0.966	mg/kg	no			0.966
Antimony	AREA METALS-1	14	B27	1.42	mg/kg	no			1.42
Antimony	AREA METALS-1	14	B28	1.05	mg/kg	no			1.05
Antimony	AREA METALS-1	14	B29	2.608	mg/kg	no			2.608
Antimony	AREA METALS-1	14	B30	2.353	mg/kg	no			2.353
Antimony	AREA METALS-1	14	B31	0.551	mg/kg	no			0.551
Antimony	AREA METALS-1	14	B32	0.646	mg/kg	no			0.646
Antimony	AREA METALS-1	14	B33	0.743	mg/kg	no			0.743
Antimony	AREA METALS-1	14	B34	25.19	mg/kg	yes			25.19
Antimony	AREA METALS-1	14	B36	1.208	mg/kg	no			1.208
Antimony	AREA METALS-1	14	B37	0.833	mg/kg	no			0.833
Antimony	AREA METALS-1	14	B38	1.929	mg/kg	no			1.929
Antimony	AREA METALS-1	14	B39	2.093	mg/kg	no			2.093
Antimony	AREA METALS-1	14	B40	1.873	mg/kg	no			1.873
Antimony	AREA METALS-1	14	B41	2.145	mg/kg	no			2.145
Antimony	AREA METALS-1	14	B42	1.314	mg/kg	no			1.314
Antimony	AREA METALS-1	14	B43	1.621	mg/kg	no			1.621
Antimony	AREA METALS-1	14	B44	1.587	mg/kg	no			1.587
Antimony	AREA METALS-1	14	B45	1.32	mg/kg	no			1.32
Antimony	AREA METALS-1	14	B47	0.649	mg/kg	no			0.649

Notes:
RDCSCC = Residential Direct Contact Cleanup Criteria pre N.J.A.C. 7:26D.
VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds.
Pest/PCBs = Pesticides/Polychlorinated-Biphenyls; ND = Not Detected.
MDL = Method Detction Limit (shown only for "ND" Results); 0.5*MDL used for calculating average.
For samples with dilution factors greater than 1, "ND" results were not used (Dilution factors shown only for these cases).

Table 4-5
Compliance Averaging Results
M-4 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Area	RDCSCC	Boring ID	Result	Units	Exceeds Criteria	MDL	Dilution Factor	Result Used for Average
Antimony	AREA METALS-1	14	B48	2.731	mg/kg	no			2.731
Antimony	AREA METALS-1	14	B49	2.93	mg/kg	no			2.93
Antimony	AREA METALS-1	14	B50	0.976	mg/kg	no			0.976
Antimony	AREA METALS-1	14	B51	1.247	mg/kg	no			1.247
Antimony	AREA METALS-1	14	B52	ND	mg/kg	no	0.236		0.118
Antimony	AREA METALS-1	14	B57	1.634	mg/kg	no			1.634
Antimony	AREA METALS-1	14	B58	0.751	mg/kg	no			0.751
Antimony	AREA METALS-1	14	B59	1.701	mg/kg	no			1.701
						Compliance Average Result:			**1.988**
Selenium									
	AREA METALS-1								
Selenium	AREA METALS-1	63	B01	ND	mg/kg	no	0.359		0.1795
Selenium	AREA METALS-1	63	B02	ND	mg/kg	no	0.328		0.164
Selenium	AREA METALS-1	63	B03	ND	mg/kg	no	0.299		0.1495
Selenium	AREA METALS-1	63	B11	ND	mg/kg	no	0.354		0.177
Selenium	AREA METALS-1	63	B12	ND	mg/kg	no	0.24		0.12
Selenium	AREA METALS-1	63	B13	ND	mg/kg	no	0.308		0.154
Selenium	AREA METALS-1	63	B14	ND	mg/kg	no	0.331		0.1655
Selenium	AREA METALS-1	63	B15	ND	mg/kg	no	0.274		0.137
Selenium	AREA METALS-1	63	B16	ND	mg/kg	no	0.27		0.135
Selenium	AREA METALS-1	63	B20	ND	mg/kg	no	0.373		0.1865
Selenium	AREA METALS-1	63	B21	0.663	mg/kg	no			0.663
Selenium	AREA METALS-1	63	B22	ND	mg/kg	no	0.373		0.1865
Selenium	AREA METALS-1	63	B23	0.286	mg/kg	no			0.286
Selenium	AREA METALS-1	63	B24	ND	mg/kg	no	0.376		0.188
Selenium	AREA METALS-1	63	B25	0.685	mg/kg	no			0.685
Selenium	AREA METALS-1	63	B26	ND	mg/kg	no	0.358		0.179
Selenium	AREA METALS-1	63	B27	ND	mg/kg	no	0.354		0.177
Selenium	AREA METALS-1	63	B28	0.508	mg/kg	no			0.508
Selenium	AREA METALS-1	63	B29	ND	mg/kg	no	0.371		0.1855
Selenium	AREA METALS-1	63	B30	0.423	mg/kg	no			0.423
Selenium	AREA METALS-1	63	B31	ND	mg/kg	no	0.345		0.1725
Selenium	AREA METALS-1	63	B32	ND	mg/kg	no	0.368		0.184
Selenium	AREA METALS-1	63	B33	ND	mg/kg	no	0.368		0.184
Selenium	AREA METALS-1	63	B34	244.4	mg/kg	yes			244.4
Selenium	AREA METALS-1	63	B36	ND	mg/kg	no	0.331		0.1655
Selenium	AREA METALS-1	63	B37	0.311	mg/kg	no			0.311
Selenium	AREA METALS-1	63	B38	ND	mg/kg	no	0.349		0.1745

Notes:
RDCSCC = Residential Direct Contact Cleanup Criteria pre N.J.A.C. 7:26D.
VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds.
Pest/PCBs = Pesticides/Polychlorinated-Biphenyls; ND = Not Detected.
MDL = Method Detction Limit (shown only for "ND" Results); 0.5*MDL used for calculating average.
For samples with dilution factors greater than 1, "ND" results were not used (Dilution factors shown only for these cases).

Table 4-5
Compliance Averaging Results
M-4 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Area	RDCSCC	Boring ID	Result	Units	Exceeds Criteria	MDL	Dilution Factor	Result Used for Average
Selenium	AREA METALS-1	63	B39	0.446	mg/kg	no			0.446
Selenium	AREA METALS-1	63	B40	ND	mg/kg	no	0.361		0.1805
Selenium	AREA METALS-1	63	B41	ND	mg/kg	no	0.344		0.172
Selenium	AREA METALS-1	63	B42	ND	mg/kg	no	0.364		0.182
Selenium	AREA METALS-1	63	B43	ND	mg/kg	no	0.353		0.1765
Selenium	AREA METALS-1	63	B44	ND	mg/kg	no	0.355		0.1775
Selenium	AREA METALS-1	63	B45	0.574	mg/kg	no			0.574
Selenium	AREA METALS-1	63	B47	ND	mg/kg	no	0.309		0.1545
Selenium	AREA METALS-1	63	B48	0.416	mg/kg	no			0.416
Selenium	AREA METALS-1	63	B49	0.585	mg/kg	no			0.585
Selenium	AREA METALS-1	63	B50	ND	mg/kg	no	0.322		0.161
Selenium	AREA METALS-1	63	B51	ND	mg/kg	no	0.33		0.165
Selenium	AREA METALS-1	63	B52	ND	mg/kg	no	0.354		0.177
Selenium	AREA METALS-1	63	B57	ND	mg/kg	no	0.339		0.1695
Selenium	AREA METALS-1	63	B58	ND	mg/kg	no	0.325		0.1625
Selenium	AREA METALS-1	63	B59	ND	mg/kg	no	0.36		0.18
						Compliance Average Result:			**5.924**

Notes:
RDCSCC = Residential Direct Contact Cleanup Criteria pre N.J.A.C. 7:26D.
VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds.
Pest/PCBs = Pesticides/Polychlorinated-Biphenyls; ND = Not Detected.
MDL = Method Detction Limit (shown only for "ND" Results); 0.5*MDL used for calculating average.
For samples with dilution factors greater than 1, "ND" results were not used (Dilution factors shown only for these cases).

Table 4-6
Compliance Analysis Results Summary
M-4 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Average Area	RDCSCC	Units	Compliance Averaging Performed	Compliance Average Result	Compliance Analysis Result
SVOCs						
Benzo(a)anthracene	AREA SVOC-1	0.9	mg/kg	Yes	0.366	Compliance average below RDCSCC. No Further Action is warranted.
Benzo(a)pyrene	AREA SVOC-1	0.66	mg/kg	No		Given the scattered distribution of exceedances,site conditions, and limited public access to the site, No Further Action is warranted. The DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan.
Benzo(b)fluoranthene	AREA SVOC-1	0.9	mg/kg	Yes	0.364	Compliance average below RDCSCC. No Further Action is warranted.
Benzo(k)fluoranthene	AREA SVOC-1	0.9	mg/kg	Yes	0.318	Compliance average below RDCSCC. No Further Action is warranted.
Bis(2-ethylhexyl)phthalate	AREA SVOC-1	49	mg/kg	No		Given the scattered distribution of exceedances,site conditions, and limited public access to the site, No Further Action is warranted. The DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan.
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	mg/kg	Yes	0.269	Compliance average below RDCSCC. No Further Action is warranted.
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	mg/kg	Yes	0.315	Compliance average below RDCSCC. No Further Action is warranted.

Notes:
RDCSCC = Residential Direct Contact Cleanup Criteria pre N.J.A.C. 7:26D.
VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds.
Pest/PCBs = Pesticides/Polychlorinated-Biphenyls.
DER = Declaration of Environmental Restriction.

Table 4-6
Compliance Analysis Results Summary
M-4 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Average Area	RDCSCC	Units	Compliance Averaging Performed	Compliance Average Result	Compliance Analysis Result
Pest/PCBs						
4,4'-DDD	AREA PESTPCB-1	3	mg/kg	Yes	0.662	Compliance average below RDCSCC. No Further Action is warranted.
4,4'-DDE	AREA PESTPCB-1	2	mg/kg	Yes	0.801	Compliance average below RDCSCC. No Further Action is warranted.

Notes:
RDCSCC = Residential Direct Contact Cleanup Criteria pre N.J.A.C. 7:26D.
VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds.
Pest/PCBs = Pesticides/Polychlorinated-Biphenyls.
DER = Declaration of Environmental Restriction.

Table 4-6
Compliance Analysis Results Summary
M-4 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Average Area	RDCSCC	Units	Compliance Averaging Performed	Compliance Average Result	Compliance Analysis Result
Metals						
Antimony	AREA METALS-1	14	mg/kg	Yes	1.988	Compliance average below RDCSCC. No Further Action is warranted.
Arsenic	AREA METALS-1	20	mg/kg	No		Given the scattered distribution of exceedances,site conditions, and limited public access to the site, No Further Action is warranted. The DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan.
Beryllium	AREA METALS-1	2	mg/kg	No		Given the scattered distribution of exceedances,site conditions, and limited public access to the site, No Further Action is warranted. The DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan.
Selenium	AREA METALS-1	63	mg/kg	Yes	5.924	Compliance average below RDCSCC. No Further Action is warranted.
Thallium	AREA METALS-1	2	mg/kg	No		Given the scattered distribution of exceedances,site conditions, and limited public access to the site, No Further Action is warranted. The DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan.

Notes:
RDCSCC = Residential Direct Contact Cleanup Criteria pre N.J.A.C. 7:26D.
VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds.
Pest/PCBs = Pesticides/Polychlorinated-Biphenyls.
DER = Declaration of Environmental Restriction.

FIGURES

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Geologic Map of New Jersey

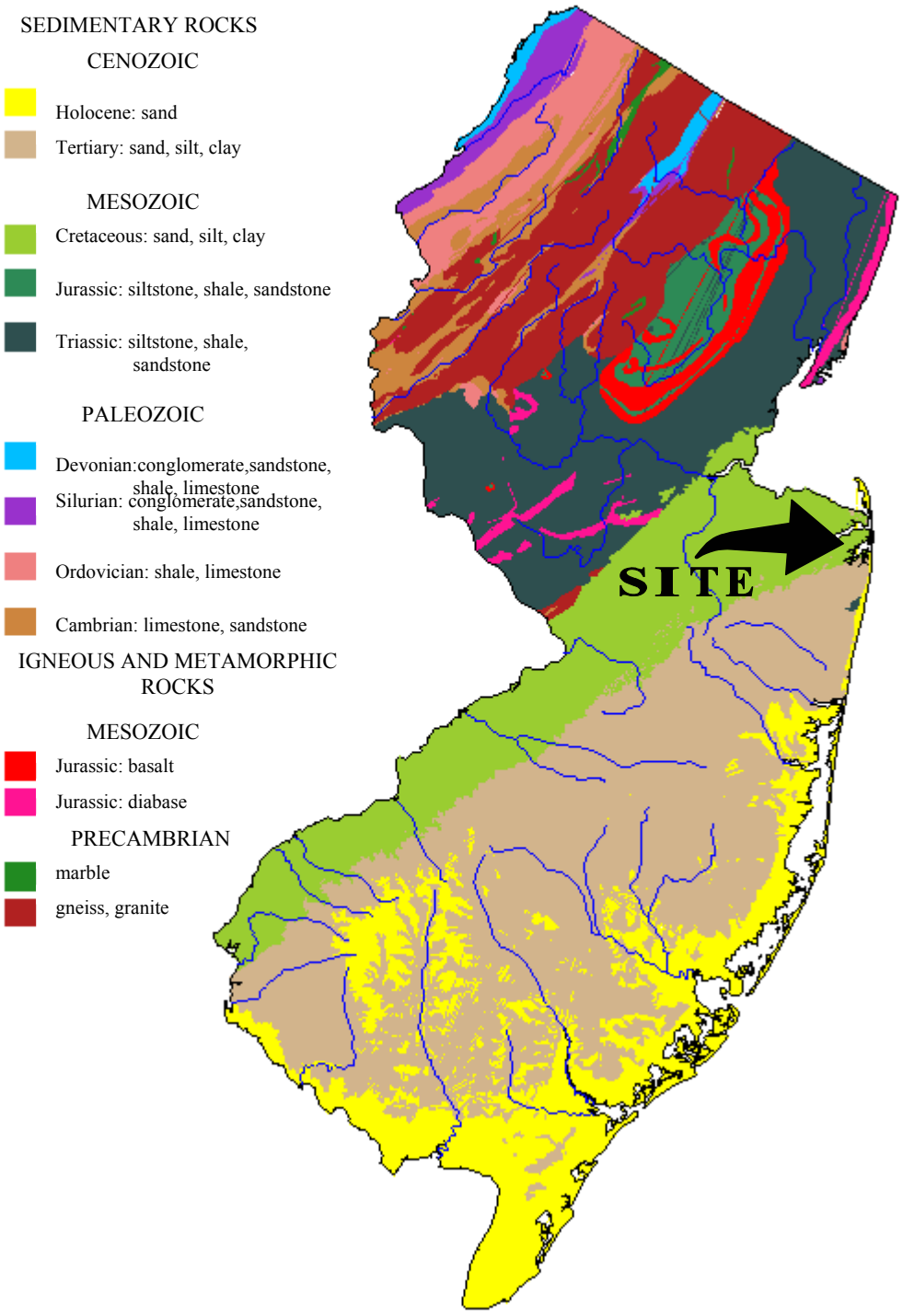
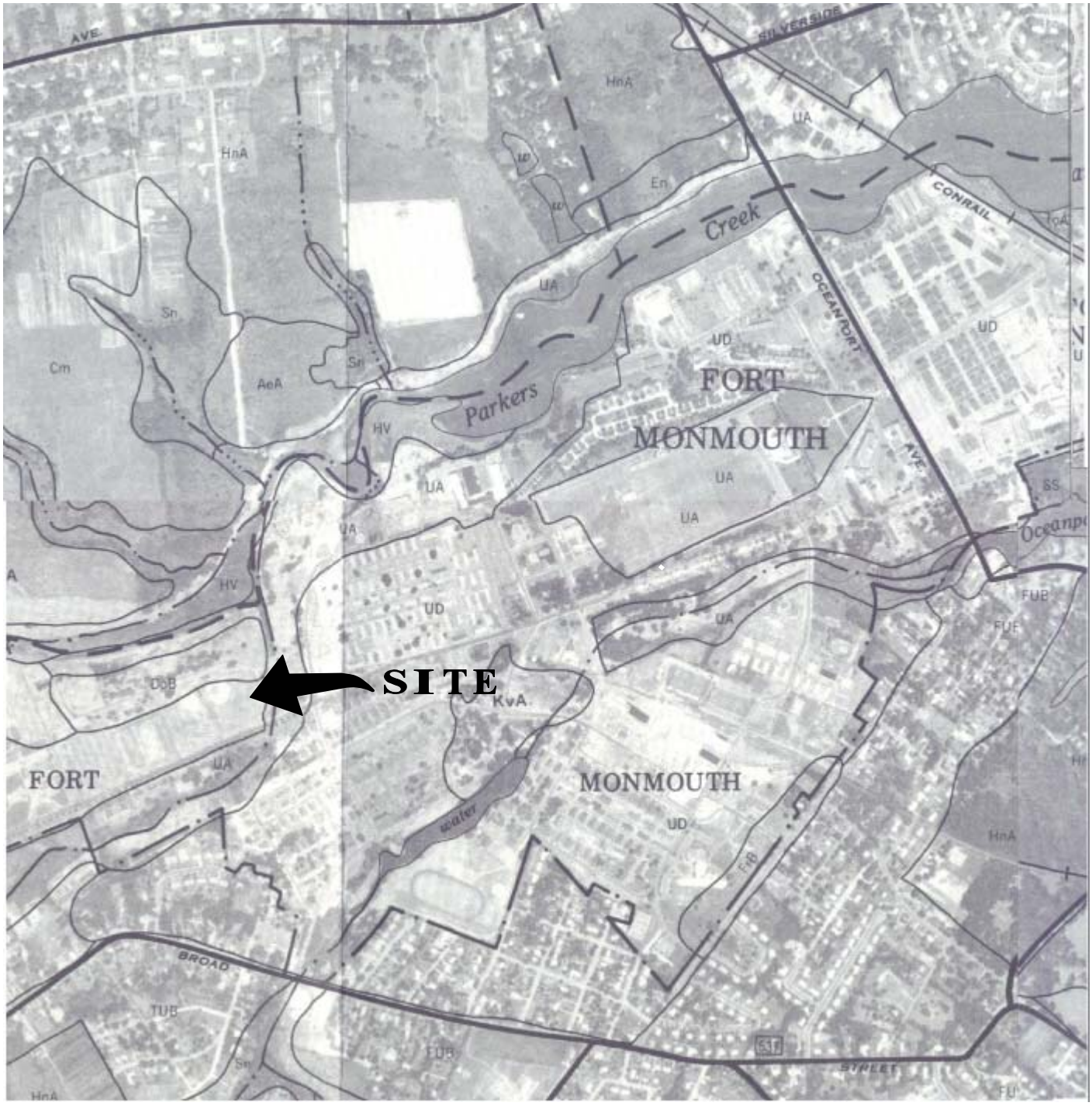


Figure 2-2
Geologic Map of New Jersey
M-4 Landfill Site
Fort Monmouth, New Jersey

Versar INC.
201 Gibraltar Road, Suite 100
Horsham, PA 19044
(215) 957-0955

Source: New Jersey Gelolgic Survey, 1994, *Geologic Map of New Jersey*.



US Department of Agriculture
Soil Conservation Service
Soil Survey of Monmouth County, NJ
April 1989

Figure 2-3
Soil Map of Monmouth County
M-4 Landfill Site
Fort Monmouth, New Jersey

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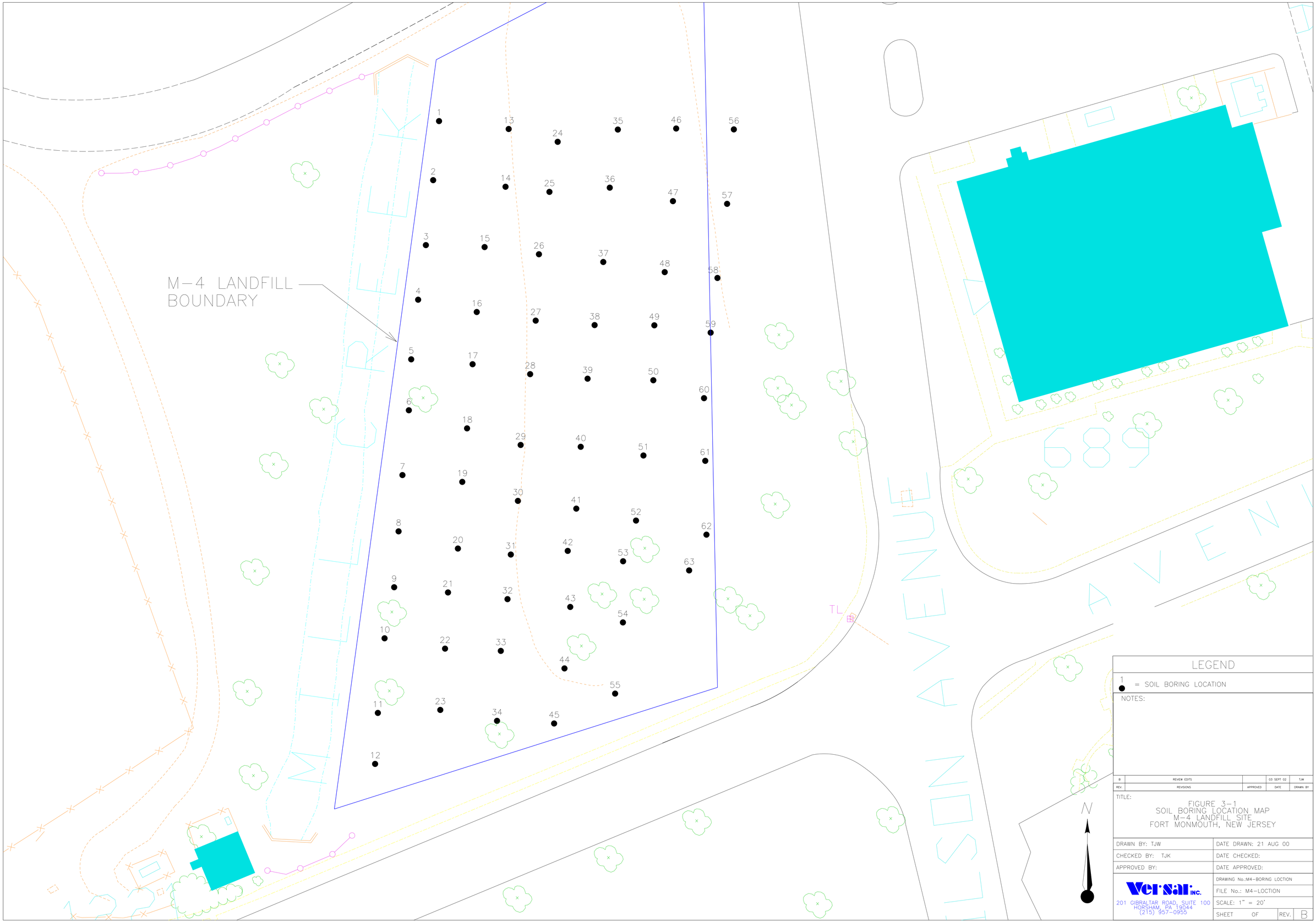

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LEGEND

SEMI-VOLATILES	NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
BENZO[A]ANTHRACENE	0.9 (mg/kg)
BENZO[A]PYRENE	0.66 (mg/kg)
BENZO[B]FLUORANTHENE	0.9 (mg/kg)
BENZO[K]FLUORANTHENE	0.9 (mg/kg)
BIS(2-ETHYLHEXYL)PHTHALATE	49 (mg/kg)
DIBENZ[A,H]ANTHRACENE	0.66 (mg/kg)
INDENO[1,2,3-CD]PYRENE	0.9 (mg/kg)

NOTES:

1.) SAMPLING DEPTH IS 12" FOR ALL SOIL BORINGS.
2.) ▭ = EXCEEDS NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
3.) THIS MAP PRESENTS DATA FOR THOSE ANALYTES THAT EXCEEDED THE RDCSCC IN AT LEAST ONE SOIL BORING.
4.) NLE = NO LIMIT ESTABLISHED
5.) ND = NOT DETECTED
6.) J = ESTIMATED VALUE; MASS SPECTROMETER AND RETENTION TIME DATA INDICATE THE PRESENCE OF THE ANALYTE, HOWEVER THE RESULT IS LESS THAN THE METHOD DETECTION LIMIT BUT GREATER THAN ZERO.

REV.	REVISIONS	APPROVED	DATE	DRAWN BY
B	REVIEW EDITS		03 SEPT 02	TJW

TITLE:

FIGURE 4-1
SEMI-VOLITILES CONTAMINANT MAP
M-4 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJW	DATE DRAWN: 21 AUG 00
CHECKED BY: TJK	DATE CHECKED:
APPROVED BY:	DATE APPROVED:

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DRAWING No.:M4-SEMI-VOLATILES
FILE No.: M4-SEMIVOLATILES
SCALE: 1" = 20'
SHEET OF
REV. B

M-4 LANDFILL BOUNDARY

AREA PESTPCB-1

1 0.093 ND	13 0.155 0.086	24 0.277 0.102	35 0.012 ND	46 0.021 ND	56 0.163 0.073	
2 0.213 0.040	14 0.031 ND	25 0.283 0.111	36 0.192 0.156	47 0.042 0.014	57 0.207 0.290	
3 0.162 0.040	15 0.017 0.001	26 0.080 0.033	37 0.063 0.029	48 0.074 0.043	58 0.057 0.043	
4 0.105 0.043	16 0.033 0.003	27 1.035 0.573	38 0.030 0.039	49 ND ND	59 0.067 0.037	
5 0.042 ND	17 0.037 0.017	28 0.130 0.054	39 0.070 0.032	50 0.047 0.055	60 0.187 0.164	
6 0.190 0.035	18 0.037 0.015	29 0.086 0.055	40 0.055 0.019	51 0.054 0.047	61 0.283 0.259	
7 0.008 ND	19 ND ND	30 0.022 0.024	41 0.073 0.048	52 0.256 0.188	62 0.003 ND	
8 0.007 ND	20 ND ND	31 0.174 0.102	42 0.101 0.033	53 0.376 0.175	63 0.183 0.032	
9 0.024 ND	21 0.025 ND	32 0.069 0.018	43 0.057 0.021	54 0.600 0.205		
10 0.199 0.051	22 0.075 ND	33 0.008 0.004	44 0.042 0.013	55 3.263 3.058		
11 0.061 0.036	23 0.134 0.112	34 0.03 0.00	45 0.043 0.019			
12 0.081 0.056						

TL

LEGEND

PESTICIDES	NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
4,4'-DDE	2 (mg/kg)
4,4'-DDD	3 (mg/kg)

NOTES:

1.) SAMPLING DEPTH IS 12" FOR ALL SOIL BORINGS.
2.) ▭ = EXCEEDS NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
3.) THIS MAP PRESENTS DATA FOR THOSE ANALYTES THAT EXCEEDED THE RDCSCC IN AT LEAST ONE SOIL BORING.
4.) NLE = NO LIMIT ESTABLISHED
5.) ND = NOT DETECTED

REV.	REVISIONS	APPROVED	DATE	DRAWN BY
B	REVIEW EDITS		30 AUG 02	TJW

TITLE:

FIGURE 4-2
PESTICIDES AND PCBs CONTAMINANT MAP
M-4 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJW	DATE DRAWN: 21 AUG 00
CHECKED BY: TJK	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: M4-PESTICIDES
	FILE No.: M4-PESTICIDES
	SCALE: 1" = 20'
	SHEET OF REV.: B

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LEGEND

METALS	NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
ANTIMONY	14 (mg/kg)
ARSENIC	20 (mg/kg)
BERYLLIUM	2 (mg/kg)
SELENIUM	63 (mg/kg)
THALLIUM	2 (mg/kg)

NOTES:

1.) SAMPLING DEPTH IS 12" FOR ALL SOIL BORINGS.
2.) ▭ = EXCEEDS NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
3.) THIS MAP PRESENTS DATA FOR THOSE ANALYTES THAT EXCEEDED THE RDCSCC IN AT LEAST ONE SOIL BORING.
4.) NLE = NO LIMIT ESTABLISHED
5.) ND = NOT DETECTED

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3
METALS CONTAMINANT MAP
M-4 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJW	DATE DRAWN: 21 AUG 00
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:

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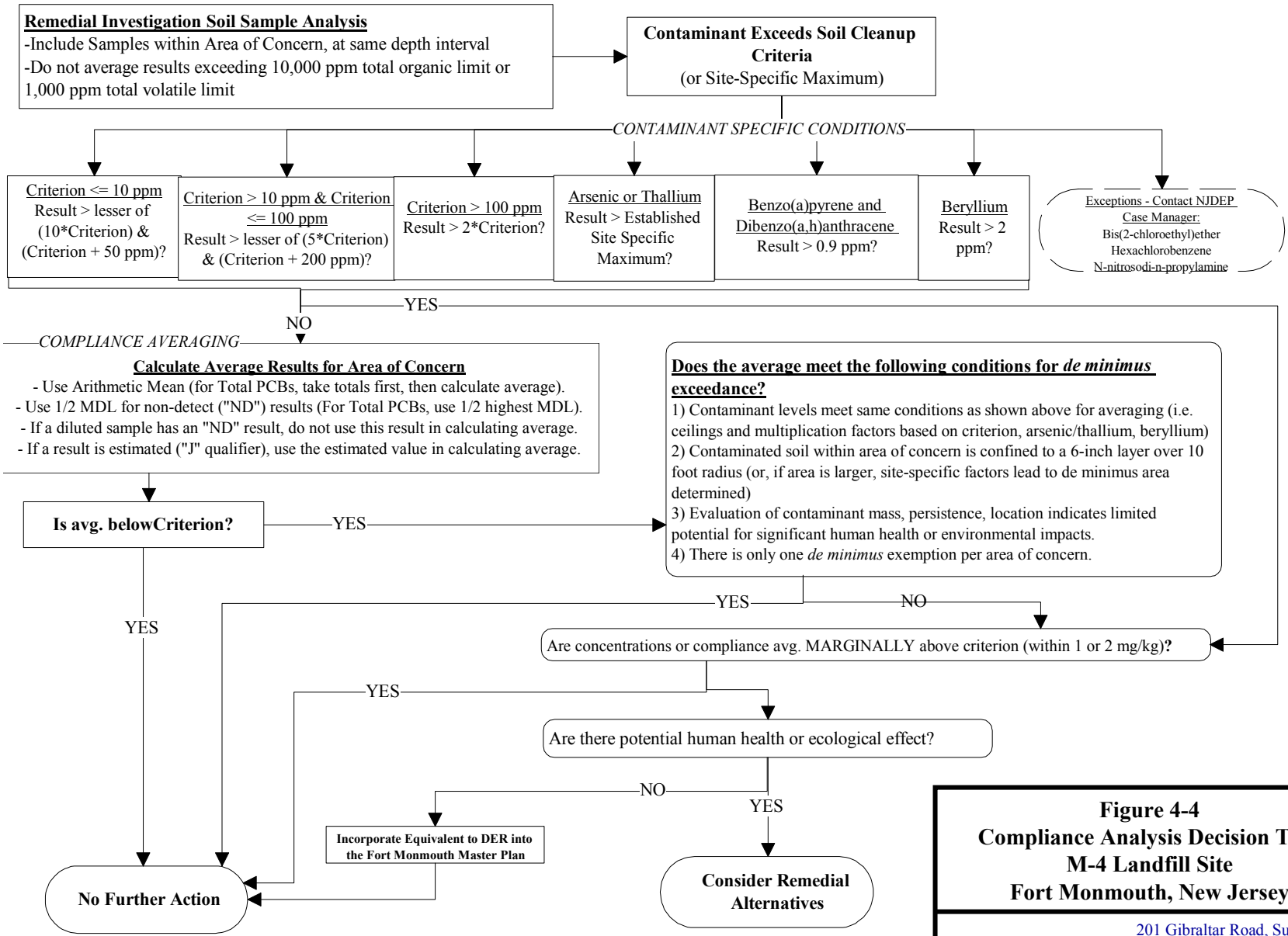
DRAWING No.: M4-METALS
FILE No.: M4-METALS
SCALE: 1" = 20'
SHEET OF
REV.: A



Source: NJDEP *Site Remediation News*, Spring 1995 (Vol 7, No 2) - Article 08

Figure 4-4
Compliance Analysis Decision Tree
M-4 Landfill Site
Fort Monmouth, New Jersey

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APPENDICES

APPENDIX A

DPW Proposal Letter to NJDEP defining RIR for Near Surface Soils at the M-4 Landfill Site, dated July 7, 1998

DEPARTMENT OF THE ARMY
Headquarters, U.S. Army Garrison Fort Monmouth
Fort Monmouth, New Jersey 07703 - 5101

REPLY TO
ATTENTION OF
Directorate of Public Works

July 7, 1998

State of New Jersey
Department of Environmental Protection
Division of Responsible Party Site Remediation
Bureau of Federal Case Management
ATTN: Ian Curtis
CN 028
Trenton, NJ 08625-0028

SUBJECT: Remedial Investigation of Landfill Cover Material

Re: NJDEP Correspondence (Dated April 4, 1996),
Remedial Investigation Report,
Fort Monmouth (Main Post and Charles Wood), NJ

U.S. Army Fort Monmouth
Directorate of Public Works Correspondence (Dated February 24, 1997)
Response to NJDEP Comments, Remedial Investigation Report
Fort Monmouth (Main Post and Charles Wood), NJ

Dear Mr. Curtis:

Based upon our recent discussions regarding ongoing remedial activities at Fort Monmouth, I'm writing this letter to reiterate the Directorate of Public Works (DPW) position regarding the landfill cover material which currently exists at nine former sanitary landfill sites. Eight of the nine landfill sites are located on the Main Post and the remaining site is located in the Charles Wood area. The nine former landfill sites are as follows: M-2, M-3, M-4, M-5, M-8, M-12, M-14, M-18 and CW-3A.

In a letter dated April 4, 1996, under the General Comments Section, Item # 1 - Landfills, you state that all base landfills must comply with NJ Solid Waste Management Act N.J.A.C. 7:26-2A et seq. If Fort Monmouth is able to document that the appropriate solid waste closure procedures were followed, no additional action is required other than the NJDEP approved monitoring. However, if an approved closure was not performed at the landfill, it is recommended that a minimum soil cover of one foot be extended over all areas of documented disposal activities. Also, the approximate boundaries must be established and annotated in the Declaration of Environmental Restriction.

A meeting was held at Fort Monmouth on May 14, 1996 to further discuss various issues of concern as referenced in your April 4, 1996 letter. During the course of the meeting a discussion ensued regarding the existing cover material at each of the closed landfill sites. At said time I stated that the DPW would be unable to document that the nine former landfill sites had been closed in accordance with N.J.A.C. 7:26-2A et seq. It should be noted however that the regulatory statue cited only refers to sanitary landfills operated on or after January 1, 1982. The last sanitary landfill (Site M-8) remaining in operation at Fort Monmouth was closed in October of 1981. Data presented in Table # 1 lists each of the nine landfill sites, approximate acreage and their dates of operation. At the time of closure, each landfill was covered with sufficient soil to properly cap the waste debris which was placed at the site. Cover materials were derived from both onsite and offsite. At present, the thickness of the cover material varies from site to site, but generally is at least one foot in thickness. In accordance with the data presented in Table # 1, the referenced landfills have been closed for a period of between seventeen and forty-two years. During the course of that time, each site has naturally vegetated. The existing vegetation provides both habitat and a food source for a variety of animal species. In addition, the existing vegetation plays a major role in controlling soil erosion. This is particularly important for sites bordering surface water bodies. Each of the former landfill sites are located adjacent to surface water bodies.

At the May 14, 1996 meeting, the DPW proposed to collect surface soil samples from each of the nine landfill sites to document that the existing cover material did not contain contaminant levels above the Residential Direct Contact Soil Cleanup Criteria and/or established background levels. This proposal was offered as an alternative approach to recovering the landfill sites with additional fill materials. Our alternative approach would prevent the destruction of the existing vegetation which in turn would displace numerous animal species and also result in significant soil erosion problems. Based upon your comments at the time of the meeting, you viewed our proposal as a favorable option. In order to move forward with the proposal, you advised us to submit our alternative approach in writing for view and comment. In a letter dated February 24, 1997, this proposal was formally submitted to you. As part of our write up, we specified that soil samples would be collected in accordance with the requirements set forth in N.J.A.C. 7:26E et seq. and the NJDEP Field Sampling Procedures Manual. The DPW would collect a distinct soil sample at thirty foot intervals within the boundaries of the former landfills. The DPW anticipates collecting approximately 1,900 samples not to include trip, field and duplicate samples. Each sample will be analyzed for TCL + 30 parameters and TAL metals.

The DPW has already made a significant investment in terms of buying new equipment and hiring additional laboratory personnel to initiate this project. To date, the DPW has spent $ 775,000.00 to implement the landfill cover study. We anticipate spending an additional $ 475,000.00 in fiscal year 1999 to complete said project. The DPW commenced sampling of the landfill cover material in March of 1998. Our estimated completion date for this project in terms of field sampling activities is April 30, 1999. Currently, the DPW plans on submitting separate Remedial Investigation Reports for each of the nine landfill sites. Numerical data shall be included within each report which accurately measures the thickness of the existing landfill cover material at each sampling location.

The overall purpose of this letter was to restate our position regarding the landfill cover material and to receive written NJDEP endorsement for our alternative approach method. In summary, we feel our approach will identify any potential areas of concern while protecting existing natural resources. Should you have any questions or concerns, the undersigned can be contacted at the following telephone number: (732) 532-6223.

Joseph M. Fallon

Joseph M. Fallon, CHMM
Environmental Protection Specialist
Directorate of Public Works

TABLE # 1

LANDFILL SITE	ACREAGE	ESTIMATED SAMPLES	YEAR OPEN	YEAR CLOSED
M-2	6.5	314.6	1964	1968
M-3	5.9	285.6	1959	1964
M-4	1.4	67.8	1955	1956
M-5	3.2	154.9	1952	1959
M-8	7.2	348.5	1962	1981
M-12	2.1	101.6	1950	1966
M-14	6.9	334	1965	1966
M-18	4.1	198.4	1968	1969
CW-3A	2.6	125.8	1942	1957

APPENDIX B

NJDEP Approval Letter to DPW for RIR for Near Surface Soils at the M-4 Landfill Site, dated August 10, 1998

State of New Jersey
Department of Environmental Protection

Christine Todd Whitman
Governor

Robert C. Shinn, Jr.
Commissioner

AUG 10 1998

Mr. Joseph Fallon
Env. Protection Specialist
Directorate of Public Works
U.S. Army, Fort Monmouth
Fort Monmouth, NJ 07703

Re: Landfill Remedial Investigation Letter
Fort Monmouth Army Base
Fort Monmouth, Monmouth County

Dear Mr. Fallon:

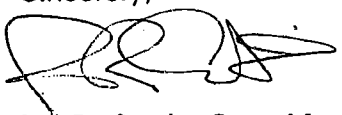
The NJDEP has received your letter of July 7, 1998 regarding the proposed investigation of the eight sanitary landfill sites located on the Main Post and one sanitary landfill located at the Charles Wood area. The NJDEP accepts the letter as submitted and proposed investigation.

Specifically, your letter proposes an investigation of the covers of the subject landfills which is expected to satisfy our concerns noted in our letter of April 4, 1996 and subsequent meeting of May 14, 1996. The information obtained from the investigation should satisfy any remaining questions regarding the landfills and their potential threat to human health and the environment.

In an effort to assure compliance with applicable regulations, I have discussed this case and associated issues with the Sukhdev Bhalla, Chief, Bureau of Landfill Engineering. According to Mr. Bhalla the proposed investigation satisfies New Jersey policy and procedure, as well as the Solid Waste Management Act. (N.J.A.C. 7:26-2A et seq.) requirements.

I look forward to the reviewing the subject report. If I can be of any further assistance, please do not hesitate to contact me at (609) 633-7232.

Sincerely,



Ian R. Curtis, Case Manager
Bureau of Federal Case Management
ICURTIS@DEP.STATE.NJ.US

FTMMTH53.DOC

APPENDIX C

Roy F. Weston, Inc. Site Investigation Report, December 1995
Section 4.2.4 – Landfill 4 (M-4)

4.2.4 Landfill 4 (M-4)

4.2.4.1 Site Location

Landfill 4 (M-4) is located in the area bounded by the Avenue of Memories to the south, North Drive to the north, Mill Creek to the west, and Wilson Avenue to the east (Figure 4.2-7). The approximate area of site M-4 is 61,800 ft^2 (1.4 acres).

4.2.4.2 Site History

Landfill 4 was used in 1956 for the disposal of building demolition debris. The 1940 aerial photograph shows a swamp at this location. In the latter part of 1955 and during 1956, 72 World War II buildings were demolished on Main Post (*Concise History; History and Place Names*). Potential contaminants associated with demolition debris include lead from paints and piping and asbestos. At present, the surface is flat and grass covered. There are trees in the southeast corner.

As part of an NJPDES permit, surface-water samples have been taken upstream and downstream of this site on Mill Creek. The results are discussed in Subsection 4.2.2 (site M-2) and 4.2.5 (site M-5).

4.2.4.3 Sampling Effort

Three shallow monitor wells (MW-7 through MW-9) were installed around the landfill, and two rounds of groundwater sampling were conducted to evaluate groundwater quality. Monitor well MW-7 is an upgradient well and monitor wells MW-8 and MW-9 are downgradient wells. The monitor wells were sampled twice for TCL +30 parameters, TAL metals, and cyanide.

4.2.4.4 Hydrogeologic Interpretation

Lithologic logs from MW-8 and MW-9 indicate that the lithology consists of a thin soil cover (0.4 ft) underlain by alternating layers of reworked sand, silt, and broken concrete gravel pieces,

with interbeds of plant-root fragments. Borehole logs from MW-7 indicate a lithology consisting of an orange-olive-brown fine-coarse sand with little silt.

Groundwater saturation was observed at approximately 7 ft bgs at each well location. The three monitor wells were screened across the unconfined water table, at total depths of 16, 18, and 22 ft bgs in MW-7, MW-8, and MW-9, respectively. Water elevation data, measured on 6 March 1995, indicate that local groundwater flow is west toward Mill Creek (Figure 4.2-10). Based on groundwater elevation measurements, monitor wells MW-8 and MW-9 are downgradient of the M-4 area.

4.2.4.5 Groundwater Sampling Results

Monitor wells at site M-4 were sampled for the analytical parameters listed in Table 3.8-1. The analytical results for groundwater samples from the individual sampling rounds are listed in Appendix D. Table 4.2-7 compares the average concentrations of the detected compounds from the February and March sampling rounds with the NJDEP GWQC, and then compares the results to the subsequent site-specific background and/or Monmouth County background concentrations, where appropriate. Figure 4.2-11 presents the locations and average concentrations of compounds detected above the NJDEP GWQC and the established maximum background concentrations at the Main Post.

VOCs

VOCs were not detected in the site monitor wells from either sampling round.

SVOCs

SVOCs were not detected above laboratory quantitation limits in the site monitor wells from either sampling round. The levels of compounds that could be estimated (below the laboratory quantitation limit) were well below the NJDEP GWQC.

Table 4.2-7
Fort Monmouth - Main Post
Summary of Average Concentrations of Detected Compounds in Groundwater - Site M-4

COMPOUND	METHOD DETECTION LIMIT (µg/L)	NJDEP GROUNDWATER QUALITY CRITERIA (µg/L)	MAXIMUM BACKGROUND CONCENTRATION (µg/L)	ANALYTICAL RESULTS (µg/L) SAMPLING DATE		
				MW7 2/16/95, 3/9/95 (avg.)	MW8 2/16/95, 3/8/95 (avg.)	MW9 2/16/95, 3/9/95 (avg.)
SVOC's (µg/L)						
bis-(2-Ethylhexyl)phthalate	9.7	30*	5 J	ND	4J	ND
Pesticides/PCBs (µg/L)						
4,4'-DDT	0.1**	0.1	ND	**0.185**	ND	ND
METALS TOTAL (µg/L)						
Aluminum	24.0	200	121000	**6550**	**1605**	129.1
Arsenic	1.9	8*	89.3	5.1	1.525	ND
Barium	1.7	2000	699	80.95	39.9	57.9
Beryllium	0.9	20*	7[1]	0.84	ND	ND
Calcium	10.4	NLE	45400	18800	33100	46500
Cobalt	3.0	NLE	18.3	4.7	3.3	ND
Chromium	2.9	100	191	62.55	17.25	4.175
Copper	1.9	1000	730[1]	5.75	2.5	ND
Iron	6.4	300	431000	**18435**	**17900**	**21700**
Potassium	685	NLE	137000	5020	7585	8925
Magnesium	18.3	NLE	62700	8400	6145	6245
Manganese	1.8	50	480[1]	**61.9**	**110.5**	**85**
Sodium	30.5	50000	197000[1]	**50950**	9500	10280
Nickel	10.8	100	187	7.9	ND	ND
Lead	1.6	10*	22.7	9	7.05	ND
Vanadium	2.3	NLE	108	34.95	6.95	ND
Zinc	3.8	5000	233	49.65	31.75	2.43

Compounds exceeding NJDEP groundwater quality criteria are noted by bold numbers.
NJDEP groundwater quality criteria consist of the higher number between the PQL or STANDARD
*PQL -Practical Quantitation Limit was used as the NJDEP groundwater quality criteria
NLE - No Level Established
ND - Indicates that the compound was not detected at the noted quantification limit
J - Indicates that the concentration value was estimated due to detection at or near the quantification limits
** - Method detection limit equals or exceeds NJDEP groundwater quality criteria.
[1] - Monmouth County maximum background concentration.

Pesticides/PCBs

One pesticide (4-4'-DDT) was detected in a concentration slightly exceeding the NJDEP GWQC in the upgradient well MW-7 from the February sampling round only (Table 4.2-7). This concentration was confirmed in a duplicate sample collected in MW-7 during the same sampling round. However, pesticides were not detected in a downstream surface-water location (SS-5) collected from a previous investigation (Figures 4.2-7 and 4.2-11). The results of that investigation are presented in WESTON, 1993. PCBs were not detected in the site monitor wells from either sampling round.

Metals

As indicated in Table 4.2-7, of the 17 metals detected in site groundwater, 4 metals (aluminum, iron, manganese, and sodium) were found in concentrations exceeding the NJDEP GWQC. However, aluminum, iron, and manganese were found in concentrations below those determined for site-specific and Monmouth County maximum background levels. Although sodium in MW-7 was detected in a concentration greater than the level established as site-specific background, the concentration was well below the Monmouth County maximum background level.

Cyanide

Cyanide was not detected in the site monitor wells from either sampling round.

4.2.4.6 Recommendations

One pesticide compound was detected at a concentration just above the NJDEP GWQC and background in the upgradient well in both the routine and duplicate samples. The pesticide was not detected in downgradient monitor wells, and also was not detected during previous sampling at downgradient location SS-5 (WESTON, 1993).

Although NJDEP groundwater criteria were exceeded for one pesticide, no immediate remedial action is required. The measured value of the pesticide was just slightly above the GWQC. Shallow groundwater flows toward and discharges into Mill Creek, as indicated by water-level measurements in site monitor wells. Also, there are no known uses of groundwater at or downgradient of the site. No surface-water sampling was performed at this site during this project. The surface water was previously sampled downstream but was not analyzed for pesticides. Since Mill Creek flows on Fort Monmouth property between sites M-4 and M-8, access to this stream is restricted. Presumably, since no material is being added to the source (the landfill), natural degradation will decrease groundwater and surface-water contamination levels in the future.

Since the existing monitor well locations are adequately placed to monitor downgradient groundwater, DPW proposes that a long-term groundwater monitoring program be developed and implemented for the site. Aqueous samples would be collected and analyzed on a quarterly basis to further evaluate water quality conditions at the site. Groundwater samples would be collected from existing monitor wells. Compounds of concern (including pesticides) identified in the first two rounds of sampling would be targeted for the groundwater and surface-water monitoring program.

APPENDIX D

Soil Boring Samples Laboratory Analytical Data Sheets

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ M-4 Landfill

SAMPLE LOCATION AND IDENTIFICATION

M-4 LANDFILL

Field Location Sample I.D.	Matrix	Date Received
M-4 Landfill/3396	Soils	03/09/98
M-4 Landfill/3398	Soils	03/10/98
M-4 Landfill/3399	Soils	03/11/98
M-4 Landfill/3403	Soils	03/12/98
M-4 Landfill/3408	Soils	03/13/98
M-4 Landfill/3444	Soils	03/30/98

ANALYSIS
Voa+15, ABN+25, Pest/PCB's, TAL Metals, % Solids

NJDEP Laboratory Certification # 13461

Report Date: 19 May, 1998

Daniel Wright
Laboratory Director

Table of Contents

Field Location No. & Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
M-4 B-1	3396.01	Soil	09 Mar 98 13:20	03/09/98
M-4 B-1	3396.02	Soil	09 Mar 98 13:40	03/09/98
M-4 B-2	3396.03	Soil	09 Mar 98 14:15	03/09/98
M-4 B-2	3396.04	Soil	09 Mar 98 14:30	03/09/98
M-4 B-3	3396.05	Soil	09 Mar 98 15:10	03/09/98
M-4 B-3	3396.06	Soil	09 Mar 98 13:23	03/09/98
Trip Blank	3396.07	Methanol	09 Mar 98	03/09/98
M-4 B-4	3398.01	Soil	10 Mar 98 0:850	03/10/98
M-4 B-4	3398.02	Soil	10 Mar 98 09:03	03/10/98
M-4 B-5	3398.03	Soil	10 Mar 98 09:41	03/10/98
M-4 B-5	3398.04	Soil	10 Mar 98 09:57	03/10/98
M-4 B-6	3398.05	Soil	10 Mar 98 10:26	03/10/98
M-4 B-6	3398.06	Soil	10 Mar 98 10:40	03/10/98
M-4 B-7	3398.07	Soil	10 Mar 98 11:06	03/10/98
M-4 B-7	3398.08	Soil	10 Mar 98 11:20	03/10/98
M-4 B-8	3398.09	Soil	10 Mar 98 11:50	03/10/98
M-4 B-8	3398.10	Soil	10 Mar 98 12:06	03/10/98
M-4 B-9	3398.11	Soil	10 Mar 98 13:03	03/10/98
M-4 B-9	3398.12	Soil	10 Mar 98 13:15	03/10/98
M-4 B-10	3398.13	Soil	10 Mar 98 13:39	03/10/98
M-4 B-10	3398.14	Soil	10 Mar 98 13:49	03/10/98
M-4 B-11	3398.15	Soil	10 Mar 98 14:15	03/10/98
M-4 B-11	3398.16	Soil	10 Mar 98 14:34	03/10/98
M-4 B-12	3398.17	Soil	10 Mar 98 14:53	03/10/98
M-4 B-12	3398.18	Soil	10 Mar 98 15:05	03/10/98
Trip Blank	3398.19	Methanol	10 Mar 98	03/10/98
M-4 B-13	3399.01	Soil	11 Mar 08:45	03/11/98
M-4 B-13	3399.02	Soil	11 Mar 08:45	03/11/98
M-4 B-14	3399.03	Soil	11 Mar 09:15	03/11/98
M-4 B-14	3399.04	Soil	11 Mar 09:15	03/11/98
M-4 B-15	3399.05	Soil	11 Mar 09:30	03/11/98
M-4 B-15	3399.06	Soil	11 Mar 09:30	03/11/98
M-4 B-16	3399.07	Soil	11 Mar 09:43	03/11/98
M-4 B-16	3399.08	Soil	11 Mar 09:43	03/11/98
M-4 B-17	3399.09	Soil	11 Mar 10:05	03/11/98
M-4 B-17	3399.10	Soil	11 Mar 10:05	03/11/98
M-4 B-18	3399.11	Soil	11 Mar 10:15	03/11/98
M-4 B-18	3399.12	Soil	11 Mar 10:15	03/11/98
M-4 B-19	3399.13	Soil	11 Mar 11:00	03/11/98
M-4 B-19	3399.14	Soil	11 Mar 11:00	03/11/98
M-4 B-20	3399.15	Soil	11 Mar 11:19	03/11/98
M-4 B-20	3399.16	Soil	11 Mar 11:19	03/11/98
M-4 B-21	3399.17	Soil	11 Mar 11:30	03/11/98
M-4 B-21	3399.18	Soil	11 Mar 11:30	03/11/98
M-4 B-22	3399.19	Soil	11 Mar 11:43	03/11/98
M-4 B-22	3399.20	Soil	11 Mar 11:43	03/11/98
M-4 B-23	3399.21	Soil	11 Mar 11:55	03/11/98
M-4 B-23	3399.22	Soil	11 Mar 11:55	03/11/98
M-4 B-24	3399.23	Soil	11 Mar 14:00	03/11/98

Field Location No. & Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
M-4 B-24	3399.24	Soil	11 Mar 98 14:00	03/11/98
M-4 B-25	3399.25	Soil	11 Mar 98 14:16	03/11/98
M-4 B-25	3399.26	Soil	11 Mar 98 14:16	03/11/98
M-4 B-26	3399.27	Soil	11 Mar 98 14:36	03/11/98
M-4 B-26	3399.28	Soil	11 Mar 98 14:36	03/11/98
Field Dup. #1	3399.29	Soil	11 Mar 98	03/11/98
Field Dup. #1	3399.30	Soil	11 Mar 98	03/11/98
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M-4 B-27	3399.32	Soil	11 Mar 98 14:51	03/11/98
M-4 B-28	3399.33	Soil	11 Mar 98 15:04	03/11/98
M-4 B-28	3399.34	Soil	11 Mar 98 15:04	03/11/98
M-4 B-29	3399.35	Soil	11 Mar 98 15:15	03/11/98
M-4 B-29	3399.36	Soil	11 Mar 98 15:15	03/11/98
Trip Blank	3399.37	Methanol	11 Mar 98	03/11/98
M-4 B-30	3403.01	Soil	12 Mar 98 09:05	03/12/98
M-4 B-30	3403.02	Soil	12 Mar 98 09:05	03/12/98
M-4 B-31	3403.03	Soil	12 Mar 98 09:20	03/12/98
M-4 B-31	3403.04	Soil	12 Mar 98 09:20	03/12/98
M-4 B-32	3403.05	Soil	12 Mar 98 09:30	03/12/98
M-4 B-32	3403.06	Soil	12 Mar 98 09:30	03/12/98
M-4 B-33	3403.07	Soil	12 Mar 98 09:49	03/12/98
M-4 B-33	3403.08	Soil	12 Mar 98 09:49	03/12/98
M-4 B-34	3403.09	Soil	12 Mar 98 10:00	03/12/98
M-4 B-34	3403.10	Soil	12 Mar 98 10:00	03/12/98
M-4 B-35	3403.11	Soil	12 Mar 98 10:20	03/12/98
M-4 B-35	3403.12	Soil	12 Mar 98 10:20	03/12/98
M-4 B-36	3403.13	Soil	12 Mar 98 10:35	03/12/98
M-4 B-36	3403.14	Soil	12 Mar 98 10:35	03/12/98
M-4 B-37	3403.15	Soil	12 Mar 98 10:45	03/12/98
M-4 B-37	3403.16	Soil	12 Mar 98 10:45	03/12/98
M-4 B-38	3403.17	Soil	12 Mar 98 10:58	03/12/98
M-4 B-38	3403.18	Soil	12 Mar 98 10:58	03/12/98
M-4 B-39	3403.19	Soil	12 Mar 98 11:10	03/12/98
M-4 B-39	3403.20	Soil	12 Mar 98 11:10	03/12/98
M-4 B-40	3403.21	Soil	12 Mar 98 11:20	03/12/98
M-4 B-40	3403.22	Soil	12 Mar 98 11:20	03/12/98
M-4 B-41	3403.23	Soil	12 Mar 98 13:30	03/12/98
M-4 B-41	3403.24	Soil	12 Mar 98 13:30	03/12/98
M-4 B-42	3403.25	Soil	12 Mar 98 13:40	03/12/98
M-4 B-42	3403.26	Soil	12 Mar 98 13:40	03/12/98
M-4 B-43	3403.27	Soil	12 Mar 98 13:53	03/12/98
M-4 B-43	3403.28	Soil	12 Mar 98 13:53	03/12/98
M-4 B-44	3403.29	Soil	12 Mar 98 14:07	03/12/98
M-4 B-44	3403.30	Soil	12 Mar 98 14:07	03/12/98
M-4 B-45	3403.31	Soil	12 Mar 98 14:18	03/12/98
M-4 B-45	3403.32	Soil	12 Mar 98 14:18	03/12/98
M-4 B-46	3403.33	Soil	12 Mar 98 14:30	03/12/98
M-4 B-46	3403.34	Soil	12 Mar 98 14:30	03/12/98
M-4 B-47	3403.35	Soil	12 Mar 98 14:40	03/12/98

Field Location No. & Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
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Field Dup. #2	3403.38	Soil	12 Mar 98	03/12/98
M-4 B-48	3403.39	Soil	12 Mar 9814:52	03/12/98
M-4 B-48	3403.40	Soil	12 Mar 98 14:52	03/12/98
M-4 B-49	3403.41	Soil	12 Mar 98 15:05	03/12/98
M-4 B-49	3403.42	Soil	12 Mar 98 15:05	03/12/98
Trip Blank	3403.43	Methanol	12 Mar 98	03/12/98
M-4 B-50	3408.01	Soil	13 Mar 98 08:37	03/13/98
M-4 B-50	3408.02	Soil	13 Mar 98 08:37	03/13/98
M-4 B-51	3408.03	Soil	13 Mar 98 08:53	03/13/98
M-4 B-51	3408.04	Soil	13 Mar 98 08:53	03/13/98
M-4 B52	3408.05	Soil	13 Mar 98 09:04	03/13/98
M-4 B-52	3408.06	Soil	13 Mar 98 09:04	03/13/98
M-4 B-53	3408.07	Soil	13 Mar 98 09:14	03/13/98
M-4 B-53	3408.08	Soil	13 Mar 98 09:14	03/13/98
M-4 B-54	3408.09	Soil	13 Mar 98 09:28	03/13/98
M-4 B-54	3408.10	Soil	13 Mar 98 09:28	03/13/98
M-4 B-55	3408.11	Soil	13 Mar 98 09:45	03/13/98
M-4 B-55	3408.12	Soil	13 Mar 98 09:45	03/13/98
M-4 B-56	3408.13	Soil	13 Mar 98 10:03	03/13/98
M-4 B-56	3408.14	Soil	13 Mar 98 10:03	03/13/98
M-4 B-57	3408.15	Soil	13 Mar 98 10:17	03/13/98
M-4 B-57	3408.16	Soil	13 Mar 98 10:17	03/13/98
M-4 B-58	3408.17	Soil	13 Mar 98 10:25	03/13/98
M-4 B-58	3408.18	Soil	13 Mar 98 10:25	03/13/98
M-4 B-59	3408.19	Soil	13 Mar 98 10:55	03/13/98
M-4 B-59	3408.20	Soil	13 Mar 98 10:55	03/13/98
M-4 B-60	3408.21	Soil	13 Mar 98 11:15	03/13/98
M-4 B-60	3408.22	Soil	13 Mar 98 11:15	03/13/98
M-4 B-61	3408.23	Soil	13 Mar 98 11:30	03/13/98
M-4 B-61	3408.24	Soil	13 Mar 98 11:30	03/13/98
M-4 B-62	3408.25	Soil	13 Mar 98 11:40	03/13/98
M-4 B-62	3408.26	Soil	13 Mar 98 11:40	03/13/98
M-4 B-63	3408.27	Soil	13 Mar 98 11:53	03/13/98
M-4 B-63	3408.28	Soil	13 Mar 98 11:53	03/13/98
Field Dup. #3	3408.29	Soil	13 Mar 98	03/13/98
Field Dup. #3	3408.30	Soil	13 Mar 98	03/13/98
Trip Blank	3408.31	Methanol	13 Mar 98	03/13/98
M-4 B-47	3444.01	Soil	30 Mar 98 09:35	03/30/98
M-4 B-48	3444.02	Soil	30 Mar 98 09:38	03/30/98
M-4 B-49	3444.03	Soil	30 Mar 98 09:43	03/30/98

M-4
Landfill Cover

Boring		Boring			
B1	Minimum 1 foot cap.	B22	Minimum 6 inch cap.	B43	Minimum 2 foot cap.
B2	Minimum 6 inch cap.	B23	Minimum 6 inch cap.	B44	Minimum 2 foot cap.
B3	Minimum 6 inch cap.	B24	Minimum 6 inch cap.	B45	Minimum 2 foot cap.
B4	Minimum 6 inch cap.	B25	Minimum 1 foot cap.	B46	Minimum 2 foot cap.
B5	Minimum 6 inch cap.	B26	Minimum 1 foot cap.	B47	Minimum 1 inch cap.
B6	Minimum 6 inch cap.	B27	Minimum 6 inch cap.	B48	Minimum 2 foot cap.
B7	Minimum 6 inch cap.	B28	Minimum 1 foot cap.	B49	Minimum 2 foot cap.
B8	Minimum 6 inch cap.	B29	Minimum 1 foot cap.	B50	Minimum 1 foot cap.
B9	Minimum 6 inch cap.	B30	Minimum 6 inch cap.	B51	Minimum 2 foot cap.
B10	Minimum 6 inch cap.	B31	Minimum 2 foot cap.	B52	Minimum 2 foot cap.
B11	Minimum 2 foot cap.	B32	Minimum 1 foot cap.	B53	Minimum 2 foot cap.
B12	Minimum 2 foot cap.	B33	Minimum 1 foot cap.	B54	Minimum 2 foot cap.
B13	Minimum 1 foot cap.	B34	Minimum 2 foot cap.	B55	Minimum 2 foot cap.
B14	Minimum 6 inch cap.	B35	Minimum 1 foot cap.	B56	Minimum 6 inch cap.
B15	Minimum 6 inch cap.	B36	Minimum 6 inch cap.	B57	Minimum 6 inch cap.
B16	Minimum 1 foot cap.	B37	Minimum 6 inch cap.	B58	Minimum 18 inch cap.
B17	Minimum 6 inch cap.	B38	Minimum 2 foot cap.	B59	Minimum 18 inch cap.
B18	Minimum 6 inch cap.	B39	Minimum 6 inch cap.	B60	Minimum 6 inch cap.
B19	Minimum 6 inch cap.	B40	Minimum 1 foot cap.	B61	Minimum 1 foot cap.
B20	Minimum 2 foot cap.	B41	Minimum 2 foot cap.	B62	Minimum 2 foot cap.
B21	Minimum 6 inch cap.	B42	Minimum 6 inch cap.	B63	Minimum 2 foot cap.

FIELD DUPLICATE IDENTIFICATION

Field Duplicate Identification

Sample ID	Lab ID	Field Duplicate
B-23	3399.21	Field Dup #1
B-23	339922	Field Dup #1
B-40	3403.21	Field Dup #2
B-40	3403.22	Field Dup #2
B-60	3408.21	Field Dup #3
B-60	3408.21	Field Dup #3

CHAIN OF CUSTODY

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV
Phone #: (732) 532-6223
(X)DERA ( )OMA ( )Other:_____

Project No: IJN 98-0211
Location: M-4 LANDFILL

Samplers Name / Company : MARK LAURA / TVS PWS-007

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA+15	Metals	PESTBN	%SOLID	VOA ID NUMBER	OVA	Comments: Remarks / Preservation Method
3396.01	M4-B-1	3-9-98	1320	soil	2		✓	✓	✓		2 PPM	
02	M4-B-1		1340		2	✓			✓	VO0014	3 PPM	
03	M4-B-2		1415		2		✓	✓	✓		2-3 PPM	
04	M4-B-2		1430		2	✓			✓	VO0015	3 PPM	
05	M4-B-3		1510		2		✓	✓	✓		4.5 PPM	
06	M4-B-3		1323		2	✓			✓	VO0016	2-3 PPM	
07	TRIP BLANK		—	Methanol								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Mark Laura	3-9-98 1600	J. Laura			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

80000

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Custodydera3/2/98

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV
Phone #: (732) 532-6223
(X)DERA ( )OMA ( )Other:_____

Project No: IJN 98-0211
Location: M-4 LANDFILL

Samplers Name / Company : MARK LAURA / TVS PWS-007

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA+15	Metals	PEST PCB	%SOLID	VOA ID NUMBER	OVA	Comments: Remarks / Preservation Method
33981 01	M4 - B - 4	3-10-98	0850	SOIL	2		✓	✓	✓		1 PPM	CAL. HNU @ 55 PPM
02	M-4 - B - 4		0903		2	✓			✓	VO0017	7-8 PPM	
03	M-4 - B - 5		0941		2		✓	✓	✓		3 PPM	
04	M-4 - B - 5		0957		2	✓			✓	VO-0018	5 PPM	
05	M-4 - B - 6		1026		2		✓	✓	✓		1 PPM	
06	M-4 - B - 6		1040		2	✓			✓	VO-0019	3 PPM	
07	M-4 B - 7		1106		2		✓	✓	✓		0 PPM	
08	M-4 B - 7		1120		2	✓			✓	VO-0020	0 PPM	
09	M-4 B - 8		1150		2		✓	✓	✓		0 PPM	
10	M-4 B - 8		1206		2	✓			✓	VO-0021	0 PPM	
11	M-4 B - 9		1303		2		✓	✓	✓		0 PPM	RECAL. HNU @ 55 PPM
12	M-4 B - 9		1315		2	✓			✓	VO-0022	0 PPM	
13	M-4 B - 10		1339		2		✓	✓	✓	MW	1.2 PPM	
14	M-4 B - 10		1349		2	✓			✓	VO-0023	1.4 PPM	

3/10/98

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Mark Laura	3-10-98 1545				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV
Phone #: (732) 532-6223
(X)DERA ( )OMA ( )Other:_____

Project No: IJN 98-0211
Location: M4 - LANDFILL

Samplers Name / Company : MARK LAURA / TVS PWS-007

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PEST PCB PAN	%SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
3398. 15	M4 - B - 11	3-10-98	1415	SOIL	2		✓	✓	✓	~~VO-0024~~ (ML)	.04 PPM	
16	M4 - B - 11	↓	1434	↓	2	✓			✓	VO 0024	3.4 PPM	
17	M4 - B - 12		1453		2		✓	✓	✓		0 PPM	
18	M4 - B - 12	↓	1505	↓	2	✓			✓	VO-0025	0 PPM	
19	TRIP BLANK											

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Mark Laura	3-10-98 1545				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV
Phone #: (732) 532-6223
(X)DERA ( )OMA ( )Other:

Project No: IJN 98-0211
Location: IJN4 - Landfill

Samplers Name / Company : MARK LAURA / TVS PWS-007

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PEST	PAC BN	%SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
3399 01	M4 - B - 13	3-11-98	0845	SOIL	2		✓	✓		✓		0 PPM	
02	M4 - B - 13		0845		2	✓				✓	V0026	0 PPM	
03	M4 - B - 14		0915		2		X	X		X		0 PPM	
04	M4 - B - 14		0915			X				X	V0027	0 PPM	
05	M4 - B - 15		0930				X	X		X		.06 PPM	
06	M4 - B - 15		0930			X				X	V0028	.08 PPM	
07	M4 - B - 16		0943				X	X		X		.08 PPM	
08	M4 - B - 16		0943			X				X	V0029	.08 PPM	
09	M4 - B - 17		~~1015~~ (MS)	1005			X	X		X		0 PPM	
10	M4 - B - 17		~~1015~~ (MSD)	1005		X				X	V0030	0 PPM	
11	M4 - B - 18		1015				X	X		X		0 PPM	
12	M4 - B - 18		1015			X				X	V0031	0 PPM	
13	M4 - B - 14		1100				X	X		X		0 PPM	
14	M4 - B - 14		1100			X				X	V0032	0 PPM	

Analysis Parameters

Comments:

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Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
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Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV
Phone #: (732) 532-6223
(X)DERA ( )OMA ( )Other:_____

Project No: IJN 98-0211
Location: M4 Howard Hill

Samplers Name / Company : MARK LAURA / TVS PWS-007

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA+15	Metals	PEST PCB	% SOLID	VOA ID NUMBER	OVA	Comments: Remarks / Preservation Method
3299 LS	M4-B-20	3-11-98	1119	Soil	2		X	X	X		0 PPM	
16	M4-B-20		1119			X			X	V033	0 PPM	
17	M4-B-21		1130				X	X	X		0 PPM	
18	M4-B-21		1130			X			X	V034	0 PPM	
19	M4-B-22		1143				X	X	X		0 PPM	
20	M4-B-22		1143			X			X	V035	0 PPM	
21	M4-B-23		1155				X	X	X		0 PPM	
22	M4-B-23		1155			X			X	V036	0 PPM	
23	M4-B-24		1400				X	X	X		1 PPM	
24	M4-B-24		1400			X			X	V038	1 PPM	
25	M4-B-25		1416				X	X	X		0 PPM	
26	M4-B-25		1416			X			X	V039	.08 PPM	
27	M4-B-26		1436				X	X	X			
28	M4-B-26		1436			X			X	V040		

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Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
		[signature]			

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

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Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV
Phone #: (732) 532-6223
(X)DERA ( )OMA ( )Other:_____

Project No: IJN 98-0211
Location: MM- Land Fill

Samplers Name / Company : MARK LAURA / TVS PWS-007

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA+15	Metals	PEST PCB PAN	% SOLID	VOA ID NUMBER	OVA	Comments: Remarks / Preservation Method
3391 29	FIELD DUP #1	3-11-98	1451 (M)	SOIL	2		X	X	X		~~.03 PPM~~ (MC)	
30	FIELD DUP #1		~~14~~ (M)		2	X			X	VOA037	~~.15 PPM~~ (MC)	
31	MW-B-27		1451				X	X	X		.08 PPM	
32	MW-B-27		1451			X			X	VOA041	.05 PPM	
33	MW-B-25		1504				X	X	X		.04 PPM	
34	MW-B-28		1524			X			X	VOA042	.06 PPM	
35	MW-B 29		1515				X	X	X		0 PPM	
36	MW-B 29		1515			X			X	VOA 43	.04 PPM	
37	TRIP BLANK				2	X						

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	3/11-98 1600				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

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Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV
Phone #: (732) 532-6223
(X)DERA ( )OMA ( )Other:_____

Project No: IJN 98-0211
Location: M4 - LANDFILL

Samplers Name / Company : MARK LAURA / TVS PWS-007

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PESTBN	%SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
3403. 1	M4-B-30	3-12-98	0905	SOIL	2		✓	✓	✓		.01	
2	M4-B-30		0905		2	✓			✓	VO 0047	2 PPM	
3	M4-B-31		0920		2		✓	✓	✓		1 PPM	
4	M4-B-31		0920		2	✓			✓	VO 0048	5 PPM	
5	M4-B-32		0930		2		✓	✓	✓		0 PPM	
6	M4-B-32		0930		2	✓			✓	VO 0049	0 PPM	
7	M4-B-33		0949		2		✓	✓	✓		0 PPM	
8	M4-B-33 (DUP)		0949		2	✓			✓	VO 0050	0 PPM	
9	M4-B-34		1020		2		✓	✓	✓		0 PPM	
10	M4-B-34		1020		2	✓			✓	VO 0051	0 PPM	
11	M4-B-35		1020		2		✓	✓	✓		0 PPM	
12	M4-B-35		1030 (DUP)		2	✓			✓	VO 0052	0 PPM	
13	M4-B-36		1035		2		✓	✓	✓			
14	M4-B-36		1035		2	✓			✓	VO 0053		

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M	3-12-98 1547				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

Fort Monmouth Environmental Testing Laboratory

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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV
Phone #: (732) 532-6223
(X)DERA ( )OMA ( )Other:_____

Project No: IJN 98-0211
Location: M4- LANDFILL

Samplers Name / Company : MARK LAURA / TVS PWS-007

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PESTBN	ABN	%SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
3403 15	M4-B-37	3-12-98	1045	SOIL	2		✓	✓		✓		0	PPM
16	M4-B-37		1045		2	✓				✓	VO0054	1.8	PPM
17	M4-B-38		1053		2		✓	✓		✓		0	PPM
18	M4-B-38		1053		2	✓				✓	VO0055	0	PPM
19	M4-B-39		1110		2		✓	✓		✓		0	PPM
20	M4-B-39		1110		2	✓				✓	VO0056	0	PPM
21	M4-B-40		1120		2		✓	✓		✓		0	PPM
22	M4-B-40		1120		2	✓				✓	VO0057	0	PPM
23	M4-B-41		1330		2		✓	✓		✓		0	PPM
24	M4-B-41		1330		2	✓				✓	VO0058	0	PPM
25	M4-B-42		1340		2		✓	✓		✓		0	PPM
26	M4-B-42		1340		2	✓				✓	VO0059	0.8	PPM
27	M4-B-43		1353		2		✓	✓		✓		0	PPM
28	M4-B-43		1353		2	✓				✓	VO0060	.08	PPM

Comments:

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[signature]	3-12-98 1547	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
		[signature]			

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV
Phone #: (732) 532-6223
(X)DERA ( )OMA ( )Other:_____

Project No: IJN 98-0211
Location: M4 - LANDFILL

Samplers Name / Company : MARK LAURA / TVS PWS-007

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PEST BCB PAN	%SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
3403 29	M4-B-44	3-12-98	1407	SOIL	2		✓	✓	✓		0 PPM	
30	M4-B-44		1407			✓			✓	VO 0061	0 PPM	
31	M4-B-45		1418				✓	✓	✓		0 PPM	
32	M4-B-45		1418			✓			✓	VO0062	0 PPM	
33	M4-B-46		1430				✓	✓	✓		0 PPM	
34	M4-B-46		1440			✓			✓	V00063	0 PPM	
35	M4-B-47		1440				X	X	X		0 PPM	
36	M4-B-47		1440			X			X	V00064	0 PPM	
37	FIELD DUP#2		—				X	X	X		0 PPM	
38	FIELD DUP#2		—			X			X	V00046	0 PPM	
39	M4-B-48		1452				X	X	X		.04 PPM	
40	M4-B-48		1452			X			X	V00065	.06 PPM	
41	M4-B-44		1505				X	X	X			
42	M4-B-44		1505			X			X	V00066		

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[signature]	3-12-98 1547	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
		[signature]			

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:
3403.35, .39 And .41 Resampled 3/30/98 and Reported as 3444.01.02 And 03 [signature] 5/21/98

Fort Monmouth Environmental Testing Laboratory

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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV
Phone #: (732) 532-6223
(X)DERA ( )OMA ( )Other:_____

Project No: IJN 98-0211
Location: IM4 - LANDFILL

Samplers Name / Company : MARK LAURA / TVS PWS-007

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PESTBN	PAB	%SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
3403 43	TRIP BLANK	3-12-98			1	✓					VO0067		

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	3-12-98 1547	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
		[signature]			

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV
Phone #: (732) 532-6223
(X)DERA ( )OMA ( )Other:

Project No: IJN 98-0211
Location: M4 Landfill

Samplers Name / Company : MARK LAURA / TVS PWS-007

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA+15	Metals TAL	PEST PCB AN	% SOLID	VOA ID NUMBER	OVA	Comments: Remarks / Preservation Method
3408 01	M4-B-50	3-13-98	0837	SO,1	2		X	X	X	V00068	0	PPM
02	M4-B-50		0837			X			X		0	PPM
03	M4-B-51		0853				X	X	X	V000 69	0	PPM
04	M4-B-51		0853			X			X		0	PPM
05	M4-B-52		0904				X	X	X	V000 70	0	PPM
06	M4-B-52		0904			X			X		0	PPM
07	M4-B-53		0914				X	X	X	V000 71	0	PPM
08	M4-B-53		0914			X			X		0	PPM
09	M4-B-54		0928				X	X	X	V000 72	0	PPM
10	M4-B-54		0928			X			X		0	PPM
11	M4-B-55		0945				X	X	X	V000 73	0	PPM
12	M4-B-55		0945			X			X		0	PPM
13	M4-B-56		1003				X	X	X	V000 74	0	PPM
14	M4-B-56		1003			X			X		0	PPM

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
	1255 3-13-98				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

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Fort Monmouth Environmental Testing Laboratory

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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV
Phone #: (732) 532-6223
(X)DERA ( )OMA ( )Other:_____

Project No: IJN 98-0211
Location: M4 Land Fill

Samplers Name / Company : MARK LAURA / TVS PWS-007

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals TAL	PEST PCB	% SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
34088 15	M4-B-57	3-13-98	1017	So.1	2		X	X	X		0	PPM
16	M4-B-57		1017			X			X	V000 75	0	PPM
17	M4-B-58		1025				X	X	X		0	PPM
18	M4-B-58		1025			X			X	V000 76	0	PPM
19	M4-B-59		1055				X	X	X		2	PPM
20	M4-B-59		1055			X			X	V000 77	2	PPM
21	M4-B-60		1115				X	X	X		.04	PPM
22	M4-B-60		1115			X			X	V000 78	.04	PPM
23	M4-B-61		1130				X	X	X		0	PPM
24	M4-B-61		1130			X			X	V000 74	0	PPM
25	M4-B-62		1140				X	X	X		0	PPM
26	M4-B-62		1140			X			X	V000 80	0	PPM
27	M4-B-63		1153				X	X	X		0	PPM
28	M4-B-63		1153			X			X	V000 81	0	PPM

Analysis Parameters

Comments:

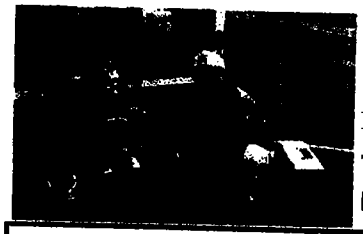
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	3-13-98 1255	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

print legibly

Custodydera3/2/98



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV
Phone #: (732) 532-6223
(X)DERA ( )OMA ( )Other:_____

Project No: IJN 98-0211
Location: Land fill, M-4

Samplers Name / Company : MARK LAURA / TVS PWS-007

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PEST PCB ABN	% SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
34108 .29	Field Dup# 3	3-13-98	—	Soil	2		X	X	X			
.30	Field Dup# 3		—		2	X			X	V00084	0.04	ppm
.31	Trip Blank		1153	meth	1	X				V00082	0.04	ppm

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
	3-13-98 1255				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

print legibly

Custodydera3/2/98

Fort Monmouth Environmental Testing Laboratory

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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV
Phone #: (732) 532-6223
(X)DERA ( )OMA ( )Other:_____

Project No: IJN 98-0211
Location: M4-LANDFILL

Samplers Name / Company : MARK LAURA / TVS PWS-007

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PEST PCB	% SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
3444 (1)	M-4-B-47	3-30-98	0935	soil	1			X			NA	
(2)	M-4-B-48	"	0938	"	1			X			NA	
(3)	M-4-B-49	"	0943	"	1			X			NA	

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Mark Laura	3-30-98 1000				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: Resample of 3403 35, 39 and 41 5/21/98

T20000

METHODOLOGY SUMMARY

Method Summary

EPA SW-846 Method 8260
Gas Chromatographic Determination of Volatiles in Soil

A 50ul volume of methanol soil sample is added to 5-ml aliquot of water. Surrogates and internal standards are added and the sample is placed on a purge and trap concentrator. The sample as purged and desorbed into a GC/MS system. Volatiles are identified and quantitated. The final concentration is calculated using soil weight, percent moisture, methanol volume and concentration.

EPA SW-846 Method 8270
Gas Chromatographic Determination of Semi-volatiles in Soil

Surrogates are added to a 10-gram soil sample, which has been dried with sodium sulfate. The sample is then extracted using a soxtherm extractor. The extract is concentrated to 1 ml. Internal standards are added and the sample is injected into a GC/MS system. Semi-volatiles are identified and quantitated. The final concentration is calculated using soil weight, percent moisture and concentration.

EPA SW-846 Method 8080
Gas Chromatographic Determination of Pesticides and PCB's in Soil

Surrogates are added to a 10-gram soil sample, which has been dried with sodium sulfate. The sample is then extracted using a soxtherm extractor. The extract is concentrated to 10 ml. Internal standards are added and the sample is injected into a GC/ECD system. Pesticides and PCB's are identified and quantitated. The final concentration is calculated using soil weight, percent moisture and concentration.

EPA SW-846 Method 9045
pH Electrometric Measurement of Soils

20 ml of reagent water is added to a 20-gram soil sample. The sample is covered and then continuously stir the suspension for 5 minutes. Allow the suspension to stand for approximately 1 hour. Lower a calibrated glass electrode deep enough into the clear supernatant to obtain a pH measurement. Record this reading.

Methodology Summary

EPA SW-846 Method 3151, 3rd Edition Base Manual with Final Updates I, II, IIA, IIB, and III: Digestion TAL Metals

Milestone MLS 1200 MEGA
A representative sample of 1.0 to 0.5 g is digested in 10 ml of concentrated nitric acid for 10 minutes using microwave heating with a suitable laboratory microwave unit. The sample and acid are placed in a fluorocarbon (TFM) microvessel. This vessel is capped and heated in the microwave unit. After cooling the vessel contents are filtered and then diluted to 100ml volume and analyzed by ICP.

EPA SW-846 Method 6010B, 3rd Edition Base Manual with Final Updates I, II, IIA, IIB, and III: ICP TAL Metals

Perkin Elmer OPTIMA 3000 DV
The method measures element–emitted light by optical spectrometry. Samples are nebulized and the resulting aerosol is transported to the plasma torch. Radio-frequency inductively coupled plasma produces element-specific atomic-line emission spectra. The spectra are dispersed by a grating spectrometer, and a Segmented-array Charged-coupled-device Detector (SCD) monitors the intensities of the lines. Background and inter-elemental correction is used for trace element determinations.

EPA SW-846 Method 7471A, 3rd Edition Base Manual with Final Updates I, II, IIA, IIB, and III: Mercury

Varian SpectrAA-640, VGA-77
The flameless AA procedure is a physical method based on the absorption of radiation at 253.7 nm by mercury vapor. The mercury is reduced to the elemental state and aerated from solution in a closed system. The mercury vapor passes through a cell positioned in the light path of an atomic absorption spectrometer. Absorbance (peak height) is measured as a function of mercury concentration and recorded in the usual manner.

SOIL CLEAN-UP CRITERIA

Soil Cleanup Criteria

Compound	mg/kg
Acrolein	NLE
Acrylonitrile	1
tert-Butyl alcohol	NLE
Methyl-tert-Butyl ether	NLE
Di-isopropyl ether	NLE
Dichlorodifluoromethane	NLE
Chloromethane	520
Vinyl Chloride	2
Bromomethane	79
Chloroethane	NLE
Trichlorofluoromethane	NLE
1,1-Dichloroethene	8
Acetone	1000
Carbon Disulfide	NLE
Methylene Chloride	49
trans-1,2-Dichloroethene	1000
1,1-Dichloroethane	570
Vinyl Acetate	NLE
2-Butanone	1000
cis-1,2-Dichloroethene	79
Chloroform	19
1,1,1-Trichloroethane	210
Carbon Tetrachloride	2
Benzene	3
1,2-Dichloroethane	6
Trichloroethene	23
1,2-Dichloropropane	10
Bromodichloromethane	11
2-Chloroethyl vinyl ether	NLE
cis-1,3-Dichloropropene	4
4-Methyl-2-Pentanone	1000
Toluene	1000
trans-1,3-Dichloropropene	4
1,1,2-Trichloroethane	22
Tetrachloroethene	4
2-Hexanone	NLE
Dibromochloromethane	110
Chlorobenzene	37
Ethylbenzene	1000
Total Xylenes	410
Styrene	23
Bromoform	86
1,1,2,2-Tetrachloroethane	34
Anthracene	10000
Di-n-butylphthalate	5700
Fluoranthene	2300
Benzidine	NLE
Pyrene	1700
Butylbenzylphthalate	1100
Benzo(a)anthracene	0.9
3,3'-Dichlorobenzidine	2
bis(2-Ethylhexyl)phthalate	49
Di-n-octylphthalate	1100
Benzo(b)fluoranthene	0.9
Benzo(k)fluoranthene	0.9
Benzo(a)pyrene	0.66
Indeno(1,2,3-cd)pyrene	0.9

Compound	mg/kg
Pyridine	NLE
N-nitroso-dimethylamine	NLE
Aniline	NLE
Phenol	10000
bis(2-Chloroethyl)ether	0.66
2-Chlorophenol	280
1,3-Dichlorobenzene	5100
1,4-Dichlorobenzene	570
Benzyl alcohol	10000
1,2-Dichlorobenzene	5100
2-Methylphenol	2800
bis(2-chloroisopropyl)ether	2300
4-Methylphenol	2800
n-Nitroso-di-n-propylamine	0.66
Hexachloroethane	6
Nitrobenzene	28
Isophorone	1100
2-Nitrophenol	NLE
2,4-Dimethylphenol	1100
bis(2-Chloroethoxy) methane	NLE
2,4-Dichlorophenol	170
Benzoic Acid	NLE
1,2,4-Trichlorobenzene	68
Naphthalene	230
4-Chloroaniline	230
Hexachlorobutadiene	1
2,4,6-Trichlorophenol	62
2,4,5-Trichlorophenol	5600
2-Chloronaphthalene	NLE
4-Chloro-3-methylphenol	10000
2-Methylnaphthalene	NLE
Hexachlorocyclopentadiene	400
2-Nitroaniline	NLE
Dimethylphthalate	NLE
Acenaphthylene	NLE
2,6-Dinitrotoluene	NLE
3-Nitroaniline	NLE
Acenaphthene	3400
2,4-Dinitrophenol	110
4-Nitrophenol	NLE
Dibenzofuran	NLE
2,4-Dinitrotoluene	1
Diethylphthalate	10000
Fluorene	2300
4-Chlorophenyl-phenylether	NLE
4-Nitroaniline	NLE
4,6-Dinitro-2-methylphenol	NLE
n-Nitrosodiphenylamine	140
4-Bromophenyl-phenylether	NLE
Hexachlorobenzene	0.66
Pentachlorophenol	6
Phenanthrene	NLE
Dibenz(a,h)anthracene	0.66
Benzo(g,h,i)perylene	NLE
Azobenzene	NLE
Chrysene	9

NLE- No Limits Established

QUALIFIER CODES

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

ANALYTICAL RESULTS

METHOD BLANKS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

VBLK34

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3396 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK34

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03192.D

Level: (low/med) MED Date Received: 03/09/98

% Moisture: not dec. 0 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-88-3	Toluene	250	U
100-41-4	Ethylbenzene	500	U
1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

VBLK34

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3396 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK34

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03192.D

Level: (low/med) MED Date Received: 03/09/98

% Moisture: not dec. 0 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

VBLK34

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3396 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK34

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03192.D

Level: (low/med) MED Date Received: 03/09/98

% Moisture: not dec. 0 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

VBLK35

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK35

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03258.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 0 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-88-3	Toluene	250	U
100-41-4	Ethylbenzene	500	U
1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

VBLK35

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK35

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03258.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 0 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

VBLK35

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK35

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03258.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 0 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

VBLK36

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK36

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03277.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 0 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

VBLK36

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK36

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03277.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 0 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

VBLK36

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK36

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03277.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 0 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	12.12	5200	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

VBLK37

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK37

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03303.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 0 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

VBLK37

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK37

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03303.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 0 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

VBLK37

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK37

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03303.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 0 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

VBLK38

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK38

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03318.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 0 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

VBLK38

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK38

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03318.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 0 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

VBLK38

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK38

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03318.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 0 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

VBLK39

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK39

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03343.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 0 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

VBLK39

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK39

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03343.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 0 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

VBLK39

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK39

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03343.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 0 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

VBLK40

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK40

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03362.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 0 Date Analyzed: 03/27/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

VBLK40

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK40

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03362.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 0 Date Analyzed: 03/27/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

VBLK40

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK40

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03362.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 0 Date Analyzed: 03/27/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

TRIP BLANKS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3396 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3396.07

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03196.D

Level: (low/med) MED Date Received: 03/09/98

% Moisture: not dec. 0 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-88-3	Toluene	250	U
100-41-4	Ethylbenzene	500	U
1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3396 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3396.07

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03196.D

Level: (low/med) MED Date Received: 03/09/98

% Moisture: not dec. 0 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3396 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3396.07

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03196.D

Level: (low/med) MED Date Received: 03/09/98

% Moisture: not dec. 0 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.19

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03260.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 0 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-88-3	Toluene	250	U
100-41-4	Ethylbenzene	500	U
1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.19

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03260.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 0 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.19

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03260.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 0 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.37

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03287.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 0 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.37

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03287.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 0 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.37

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03287.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 0 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.43

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03330.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 0 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.43

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03330.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 0 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.43

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03330.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 0 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.31

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03365.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 0 Date Analyzed: 03/27/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.31

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03365.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 0 Date Analyzed: 03/27/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.31

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03365.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 0 Date Analyzed: 03/27/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

FIELD DUPLICATES

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup #1

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.30

Sample wt/vol: 8.2 (g/ml) G Lab File ID: V03281.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 16.65 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1500	U
107131	Acrylonitrile	1500	U
75650	tert-Butyl alcohol	2200	U
1634044	Methyl-tert-Butyl ether	1100	U
108203	Di-isopropyl ether	730	U
	Dichlorodifluoromethane	1500	U
74-87-3	Chloromethane	360	U
75-01-4	Vinyl Chloride	1100	U
74-83-9	Bromomethane	730	U
75-00-3	Chloroethane	1100	U
75-69-4	Trichlorofluoromethane	730	U
75-35-4	1,1-Dichloroethene	360	U
67-64-1	Acetone	730	U
75-15-0	Carbon Disulfide	360	U
75-09-2	Methylene Chloride	730	U
156-60-5	trans-1,2-Dichloroethene	730	U
75-35-3	1,1-Dichloroethane	360	U
108-05-4	Vinyl Acetate	1100	U
78-93-3	2-Butanone	1100	U
	cis-1,2-Dichloroethene	360	U
67-66-3	Chloroform	360	U
75-55-6	1,1,1-Trichloroethane	360	U
56-23-5	Carbon Tetrachloride	730	U
71-43-2	Benzene	360	U
107-06-2	1,2-Dichloroethane	730	U
79-01-6	Trichloroethene	360	U
78-87-5	1,2-Dichloropropane	360	U
75-27-4	Bromodichloromethane	360	U
110-75-8	2-Chloroethyl vinyl ether	730	U
10061-01-5	cis-1,3-Dichloropropene	360	U
108-10-1	4-Methyl-2-Pentanone	730	U
108-88-3	Toluene	360	U
10061-02-6	trans-1,3-Dichloropropene	730	U
79-00-5	1,1,2-Trichloroethane	730	U
127-18-4	Tetrachloroethene	360	U
591-78-6	2-Hexanone	730	U
126-48-1	Dibromochloromethane	730	U
108-90-7	Chlorobenzene	360	U
100-41-4	Ethylbenzene	730	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup #1

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.30

Sample wt/vol: 8.2 (g/ml) G Lab File ID: V03281.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 16.65 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1100	U
1330-20-7	o-Xylene	730	U
100-42-5	Styrene	730	U
75-25-2	Bromoform	730	U
79-34-5	1,1,2,2-Tetrachloroethane	730	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Field Dup # 1

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.30

Sample wt/vol: 8.2 (g/ml) G Lab File ID: V03281.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 16.65 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup #2

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.38

Sample wt/vol: 9.0 (g/ml) G Lab File ID: V03327.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 11.68 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1300	U
107131	Acrylonitrile	1300	U
75650	tert-Butyl alcohol	1900	U
1634044	Methyl-tert-Butyl ether	940	U
108203	Di-isopropyl ether	630	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	940	U
74-83-9	Bromomethane	630	U
75-00-3	Chloroethane	940	U
75-69-4	Trichlorofluoromethane	630	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	630	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	630	U
156-60-5	trans-1,2-Dichloroethene	630	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	940	U
78-93-3	2-Butanone	940	U
	cis-1,2-Dichloroethene	310	U
67-66-3	Chloroform	310	U
75-55-6	1,1,1-Trichloroethane	310	U
56-23-5	Carbon Tetrachloride	630	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	630	U
79-01-6	Trichloroethene	310	U
78-87-5	1,2-Dichloropropane	310	U
75-27-4	Bromodichloromethane	310	U
110-75-8	2-Chloroethyl vinyl ether	630	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	630	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	630	U
79-00-5	1,1,2-Trichloroethane	630	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	630	U
126-48-1	Dibromochloromethane	630	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	630	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup #2

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.38

Sample wt/vol: 9.0 (g/ml) G Lab File ID: V03327.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 11.68 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	940	U
1330-20-7	o-Xylene	630	U
100-42-5	Styrene	630	U
75-25-2	Bromoform	630	U
79-34-5	1,1,2,2-Tetrachloroethane	630	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Field Dup #2

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.38

Sample wt/vol: 9.0 (g/ml) G Lab File ID: V03327.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 11.68 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup #3

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.30

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03358.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 9.42 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup #3

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.30

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03358.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 9.42 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	810	U
1330-20-7	o-Xylene	540	U
100-42-5	Styrene	540	U
75-25-2	Bromoform	540	U
79-34-5	1,1,2,2-Tetrachloroethane	540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Field Dup #3

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.30

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03358.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 9.42 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

SAMPLES

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-1

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3396 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3396.02

Sample wt/vol: 11.5 (g/ml) G Lab File ID: V03193.D

Level: (low/med) MED Date Received: 03/09/98

% Moisture: not dec. 8.76 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-88-3	Toluene	240	U
100-41-4	Ethylbenzene	480	U
1330-20-7	m+p-Xylenes	710	U
1330-20-7	o-Xylene	480	U
10061-02-6	trans-1,3-Dichloropropene	480	U
79-00-5	1,1,2-Trichloroethane	480	U
127-18-4	Tetrachloroethene	240	U
591-78-6	2-Hexanone	480	U
126-48-1	Dibromochloromethane	480	U
108-90-7	Chlorobenzene	240	U
100-42-5	Styrene	480	U
75-25-2	Bromoform	480	U
79-34-5	1,1,2,2-Tetrachloroethane	480	U
107028	Acrolein	950	U
107131	Acrylonitrile	950	U
75650	tert-Butyl alcohol	1400	U
1634044	Methyl-tert-Butyl ether	710	U
108203	Di-isopropyl ether	480	U
	Dichlorodifluoromethane	950	U
74-87-3	Chloromethane	240	U
75-01-4	Vinyl Chloride	710	U
74-83-9	Bromomethane	480	U
75-00-3	Chloroethane	710	U
75-69-4	Trichlorofluoromethane	480	U
75-35-4	1,1-Dichloroethene	240	U
67-64-1	Acetone	24000	
75-15-0	Carbon Disulfide	240	U
75-09-2	Methylene Chloride	1000	
156-60-5	trans-1,2-Dichloroethene	480	U
75-35-3	1,1-Dichloroethane	240	U
108-05-4	Vinyl Acetate	710	U
78-93-3	2-Butanone	710	U
	cis-1,2-Dichloroethene	240	U
67-66-3	Chloroform	240	U
75-55-6	1,1,1-Trichloroethane	240	U
56-23-5	Carbon Tetrachloride	480	U
71-43-2	Benzene	240	U
107-06-2	1,2-Dichloroethane	480	U
79-01-6	Trichloroethene	240	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-1

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3396 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3396.02

Sample wt/vol: 11.5 (g/ml) G Lab File ID: V03193.D

Level: (low/med) MED Date Received: 03/09/98

% Moisture: not dec. 8.76 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
78-87-5	1,2-Dichloropropane	240	U
75-27-4	Bromodichloromethane	240	U
110-75-8	2-Chloroethyl vinyl ether	480	U
10061-01-5	cis-1,3-Dichloropropene	240	U
108-10-1	4-Methyl-2-Pentanone	480	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-1

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3396 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3396.02

Sample wt/vol: 11.5 (g/ml) G Lab File ID: V03193.D

Level: (low/med) MED Date Received: 03/09/98

% Moisture: not dec. 8.76 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-2

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3396 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3396.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03194.D

Level: (low/med) MED Date Received: 03/09/98

% Moisture: not dec. 10.36 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-88-3	Toluene	280	U
100-41-4	Ethylbenzene	550	U
1330-20-7	m+p-Xylenes	830	U
1330-20-7	o-Xylene	550	U
10061-02-6	trans-1,3-Dichloropropene	550	U
79-00-5	1,1,2-Trichloroethane	550	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	550	U
126-48-1	Dibromochloromethane	550	U
108-90-7	Chlorobenzene	280	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	830	U
108203	Di-isopropyl ether	550	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	830	U
74-83-9	Bromomethane	550	U
75-00-3	Chloroethane	830	U
75-69-4	Trichlorofluoromethane	550	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	550	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	550	U
156-60-5	trans-1,2-Dichloroethene	550	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	830	U
78-93-3	2-Butanone	830	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	550	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	550	U
79-01-6	Trichloroethene	280	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-2

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3396 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3396.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03194.D

Level: (low/med) MED Date Received: 03/09/98

% Moisture: not dec. 10.36 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	550	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-2

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3396 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3396.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03194.D

Level: (low/med) MED Date Received: 03/09/98

% Moisture: not dec. 10.36 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-3

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3396 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3396.06

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03195.D

Level: (low/med) MED Date Received: 03/09/98

% Moisture: not dec. 13.41 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-88-3	Toluene	280	U
100-41-4	Ethylbenzene	560	U
1330-20-7	m+p-Xylenes	840	U
1330-20-7	o-Xylene	560	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-42-5	Styrene	560	U
75-25-2	Bromoform	560	U
79-34-5	1,1,2,2-Tetrachloroethane	560	U
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	840	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	840	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	840	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	840	U
78-93-3	2-Butanone	840	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-3

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3396 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3396.06

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03195.D

Level: (low/med) MED Date Received: 03/09/98

% Moisture: not dec. 13.41 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-3

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3396 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3396.06

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03195.D

Level: (low/med) MED Date Received: 03/09/98

% Moisture: not dec. 13.41 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-4

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.02

Sample wt/vol: 9.3 (g/ml) G Lab File ID: V03199.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 11.76 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-88-3	Toluene	310	U
100-41-4	Ethylbenzene	610	U
1330-20-7	m+p-Xylenes	920	U
1330-20-7	o-Xylene	610	U
10061-02-6	trans-1,3-Dichloropropene	610	U
79-00-5	1,1,2-Trichloroethane	610	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	610	U
126-48-1	Dibromochloromethane	610	U
108-90-7	Chlorobenzene	310	U
100-42-5	Styrene	610	U
75-25-2	Bromoform	610	U
79-34-5	1,1,2,2-Tetrachloroethane	610	U
107028	Acrolein	1200	U
107131	Acrylonitrile	1200	U
75650	tert-Butyl alcohol	1800	U
1634044	Methyl-tert-Butyl ether	920	U
108203	Di-isopropyl ether	610	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	920	U
74-83-9	Bromomethane	610	U
75-00-3	Chloroethane	920	U
75-69-4	Trichlorofluoromethane	610	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	610	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	610	U
156-60-5	trans-1,2-Dichloroethene	610	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	920	U
78-93-3	2-Butanone	920	U
	cis-1,2-Dichloroethene	310	U
67-66-3	Chloroform	310	U
75-55-6	1,1,1-Trichloroethane	310	U
56-23-5	Carbon Tetrachloride	610	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	610	U
79-01-6	Trichloroethene	310	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-4

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.02

Sample wt/vol: 9.3 (g/ml) G Lab File ID: V03199.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 11.76 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
78-87-5	1,2-Dichloropropane	310	U
75-27-4	Bromodichloromethane	310	U
110-75-8	2-Chloroethyl vinyl ether	610	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	610	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-4

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.02

Sample wt/vol: 9.3 (g/ml) G Lab File ID: V03199.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 11.76 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-5

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03200.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 9.37 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-88-3	Toluene	280	U
100-41-4	Ethylbenzene	570	U
1330-20-7	m+p-Xylenes	850	U
1330-20-7	o-Xylene	570	U
10061-02-6	trans-1,3-Dichloropropene	570	U
79-00-5	1,1,2-Trichloroethane	570	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	570	U
126-48-1	Dibromochloromethane	570	U
108-90-7	Chlorobenzene	280	U
100-42-5	Styrene	570	U
75-25-2	Bromoform	570	U
79-34-5	1,1,2,2-Tetrachloroethane	570	U
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	850	U
108203	Di-isopropyl ether	570	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	850	U
74-83-9	Bromomethane	570	U
75-00-3	Chloroethane	850	U
75-69-4	Trichlorofluoromethane	570	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	570	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	570	U
156-60-5	trans-1,2-Dichloroethene	570	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	850	U
78-93-3	2-Butanone	850	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	570	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	570	U
79-01-6	Trichloroethene	280	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-5**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03200.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 9.37 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	570	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	570	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-5

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03200.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 9.37 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-6

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.06

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03201.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 13.61 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-88-3	Toluene	280	U
100-41-4	Ethylbenzene	560	U
1330-20-7	m+p-Xylenes	850	U
1330-20-7	o-Xylene	560	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-42-5	Styrene	560	U
75-25-2	Bromoform	560	U
79-34-5	1,1,2,2-Tetrachloroethane	560	U
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	850	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1,100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	850	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	850	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	850	U
78-93-3	2-Butanone	850	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-6

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.06

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03201.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 13.61 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-6

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.06

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03201.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 13.61 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-7

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.08

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03202.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 14.36 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-88-3	Toluene	280	U
100-41-4	Ethylbenzene	550	U
1330-20-7	m+p-Xylenes	830	U
1330-20-7	o-Xylene	550	U
10061-02-6	trans-1,3-Dichloropropene	550	U
79-00-5	1,1,2-Trichloroethane	550	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	550	U
126-48-1	Dibromochloromethane	550	U
108-90-7	Chlorobenzene	280	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	830	U
108203	Di-isopropyl ether	550	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	830	U
74-83-9	Bromomethane	550	U
75-00-3	Chloroethane	830	U
75-69-4	Trichlorofluoromethane	550	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	550	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	550	U
156-60-5	trans-1,2-Dichloroethene	550	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	830	U
78-93-3	2-Butanone	830	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	550	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	550	U
79-01-6	Trichloroethene	280	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-7

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.08

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03202.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 14.36 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	550	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-7

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.08

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03202.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 14.36 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-8

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.10

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03203.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 15.3 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-88-3	Toluene	270	U
100-41-4	Ethylbenzene	550	U
1330-20-7	m+p-Xylenes	820	U
1330-20-7	o-Xylene	550	U
10061-02-6	trans-1,3-Dichloropropene	550	U
79-00-5	1,1,2-Trichloroethane	550	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	550	U
126-48-1	Dibromochloromethane	550	U
108-90-7	Chlorobenzene	270	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	550	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	820	U
74-83-9	Bromomethane	550	U
75-00-3	Chloroethane	820	U
75-69-4	Trichlorofluoromethane	550	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	550	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	550	U
156-60-5	trans-1,2-Dichloroethene	550	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	820	U
78-93-3	2-Butanone	820	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	550	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	550	U
79-01-6	Trichloroethene	270	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-8

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.10

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03203.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 15.3 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	550	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-8

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.10

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03203.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 15.3 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-9**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.12

Sample wt/vol: 9.0 (g/ml) G Lab File ID: V03204.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 14.71 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-88-3	Toluene	330	U
100-41-4	Ethylbenzene	650	U
1330-20-7	m+p-Xylenes	980	U
1330-20-7	o-Xylene	650	U
10061-02-6	trans-1,3-Dichloropropene	650	U
79-00-5	1,1,2-Trichloroethane	650	U
127-18-4	Tetrachloroethene	330	U
591-78-6	2-Hexanone	650	U
126-48-1	Dibromochloromethane	650	U
108-90-7	Chlorobenzene	330	U
100-42-5	Styrene	650	U
75-25-2	Bromoform	650	U
79-34-5	1,1,2,2-Tetrachloroethane	650	U
107028	Acrolein	1300	U
107131	Acrylonitrile	1300	U
75650	tert-Butyl alcohol	2000	U
1634044	Methyl-tert-Butyl ether	980	U
108203	Di-isopropyl ether	650	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	330	U
75-01-4	Vinyl Chloride	980	U
74-83-9	Bromomethane	650	U
75-00-3	Chloroethane	980	U
75-69-4	Trichlorofluoromethane	650	U
75-35-4	1,1-Dichloroethene	330	U
67-64-1	Acetone	650	U
75-15-0	Carbon Disulfide	330	U
75-09-2	Methylene Chloride	650	U
156-60-5	trans-1,2-Dichloroethene	650	U
75-35-3	1,1-Dichloroethane	330	U
108-05-4	Vinyl Acetate	980	U
78-93-3	2-Butanone	980	U
	cis-1,2-Dichloroethene	330	U
67-66-3	Chloroform	330	U
75-55-6	1,1,1-Trichloroethane	330	U
56-23-5	Carbon Tetrachloride	650	U
71-43-2	Benzene	330	U
107-06-2	1,2-Dichloroethane	650	U
79-01-6	Trichloroethene	330	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-9

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.12

Sample wt/vol: 9.0 (g/ml) G Lab File ID: V03204.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 14.71 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
78-87-5	1,2-Dichloropropane	330	U
75-27-4	Bromodichloromethane	330	U
110-75-8	2-Chloroethyl vinyl ether	650	U
10061-01-5	cis-1,3-Dichloropropene	330	U
108-10-1	4-Methyl-2-Pentanone	650	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-9

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.12

Sample wt/vol: 9.0 (g/ml) G Lab File ID: V03204.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 14.71 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-10

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.14

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03205.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 10.29 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-88-3	Toluene	270	U
100-41-4	Ethylbenzene	550	U
1330-20-7	m+p-Xylenes	820	U
1330-20-7	o-Xylene	550	U
10061-02-6	trans-1,3-Dichloropropene	550	U
79-00-5	1,1,2-Trichloroethane	550	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	550	U
126-48-1	Dibromochloromethane	550	U
108-90-7	Chlorobenzene	270	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	550	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	820	U
74-83-9	Bromomethane	550	U
75-00-3	Chloroethane	820	U
75-69-4	Trichlorofluoromethane	550	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	550	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	550	U
156-60-5	trans-1,2-Dichloroethene	550	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	820	U
78-93-3	2-Butanone	820	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	550	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	550	U
79-01-6	Trichloroethene	270	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-10

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.14

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03205.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 10.29 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	550	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-10

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.14

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03205.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 10.29 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-11

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.16

Sample wt/vol: 11.7 (g/ml) G Lab File ID: V03206.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 11.52 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-88-3	Toluene	240	U
100-41-4	Ethylbenzene	490	U
1330-20-7	m+p-Xylenes	730	U
1330-20-7	o-Xylene	490	U
10061-02-6	trans-1,3-Dichloropropene	490	U
79-00-5	1,1,2-Trichloroethane	490	U
127-18-4	Tetrachloroethene	240	U
591-78-6	2-Hexanone	490	U
126-48-1	Dibromochloromethane	490	U
108-90-7	Chlorobenzene	240	U
100-42-5	Styrene	490	U
75-25-2	Bromoform	490	U
79-34-5	1,1,2,2-Tetrachloroethane	490	U
107028	Acrolein	970	U
107131	Acrylonitrile	970	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	730	U
108203	Di-isopropyl ether	490	U
	Dichlorodifluoromethane	970	U
74-87-3	Chloromethane	240	U
75-01-4	Vinyl Chloride	730	U
74-83-9	Bromomethane	490	U
75-00-3	Chloroethane	730	U
75-69-4	Trichlorofluoromethane	490	U
75-35-4	1,1-Dichloroethene	240	U
67-64-1	Acetone	490	U
75-15-0	Carbon Disulfide	240	U
75-09-2	Methylene Chloride	490	U
156-60-5	trans-1,2-Dichloroethene	490	U
75-35-3	1,1-Dichloroethane	240	U
108-05-4	Vinyl Acetate	730	U
78-93-3	2-Butanone	730	U
	cis-1,2-Dichloroethene	240	U
67-66-3	Chloroform	240	U
75-55-6	1,1,1-Trichloroethane	240	U
56-23-5	Carbon Tetrachloride	490	U
71-43-2	Benzene	240	U
107-06-2	1,2-Dichloroethane	490	U
79-01-6	Trichloroethene	240	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-11

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.16

Sample wt/vol: 11.7 (g/ml) G Lab File ID: V03206.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 11.52 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
78-87-5	1,2-Dichloropropane	240	U
75-27-4	Bromodichloromethane	240	U
110-75-8	2-Chloroethyl vinyl ether	490	U
10061-01-5	cis-1,3-Dichloropropene	240	U
108-10-1	4-Methyl-2-Pentanone	490	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-11

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.16

Sample wt/vol: 11.7 (g/ml) G Lab File ID: V03206.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 11.52 Date Analyzed: 03/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-12

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.18

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03259.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 10.98 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-88-3	Toluene	270	U
100-41-4	Ethylbenzene	540	U
1330-20-7	m+p-Xylenes	810	U
1330-20-7	o-Xylene	540	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-42-5	Styrene	540	U
75-25-2	Bromoform	540	U
79-34-5	1,1,2,2-Tetrachloroethane	540	U
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-12

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.18

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03259.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 10.98 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-12

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3398 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3398.18

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03259.D

Level: (low/med) MED Date Received: 03/10/98

% Moisture: not dec. 10.98 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-13**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.02

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03261.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 12.82 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	860	U
108203	Di-isopropyl ether	570	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	860	U
74-83-9	Bromomethane	570	U
75-00-3	Chloroethane	860	U
75-69-4	Trichlorofluoromethane	570	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	570	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	570	U
156-60-5	trans-1,2-Dichloroethene	570	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	860	U
78-93-3	2-Butanone	860	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	570	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	570	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	570	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	570	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	570	U
79-00-5	1,1,2-Trichloroethane	570	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	570	U
126-48-1	Dibromochloromethane	570	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	570	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-13

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.02

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03261.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 12.82 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	860	U
1330-20-7	o-Xylene	570	U
100-42-5	Styrene	570	U
75-25-2	Bromoform	570	U
79-34-5	1,1,2,2-Tetrachloroethane	570	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-13

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.02

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03261.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 12.82 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-14

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.04

Sample wt/vol: 11.5 (g/ml) G Lab File ID: V03262.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 12.27 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	990	U
107131	Acrylonitrile	990	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	990	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-14

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.04

Sample wt/vol: 11.5 (g/ml) G Lab File ID: V03262.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 12.27 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-14

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.04

Sample wt/vol: 11.5 (g/ml) G Lab File ID: V03262.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 12.27 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-15

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.06

Sample wt/vol: 12.0 (g/ml) G Lab File ID: V03263.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 20.27 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-15

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.06

Sample wt/vol: 12.0 (g/ml) G Lab File ID: V03263.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 20.27 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	780	U
1330-20-7	o-Xylene	520	U
100-42-5	Styrene	520	U
75-25-2	Bromoform	520	U
79-34-5	1,1,2,2-Tetrachloroethane	520	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-15

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.06

Sample wt/vol: 12.0 (g/ml) G Lab File ID: V03263.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 20.27 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-16

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.08

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03264.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 9.55 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	770	U
108203	Di-isopropyl ether	510	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	770	U
74-83-9	Bromomethane	510	U
75-00-3	Chloroethane	770	U
75-69-4	Trichlorofluoromethane	510	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	510	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	510	U
156-60-5	trans-1,2-Dichloroethene	510	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	770	U
78-93-3	2-Butanone	770	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	510	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	510	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	510	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	510	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	510	U
79-00-5	1,1,2-Trichloroethane	510	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	510	U
126-48-1	Dibromochloromethane	510	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	510	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-16

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.08

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03264.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 9.55 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	770	U
1330-20-7	o-Xylene	510	U
100-42-5	Styrene	510	U
75-25-2	Bromoform	510	U
79-34-5	1,1,2,2-Tetrachloroethane	510	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-16

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.08

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03264.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 9.55 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-17

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.10

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03265.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 10.98 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1200	U
107131	Acrylonitrile	1200	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	870	U
108203	Di-isopropyl ether	580	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	870	U
74-83-9	Bromomethane	580	U
75-00-3	Chloroethane	870	U
75-69-4	Trichlorofluoromethane	580	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	580	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	580	U
156-60-5	trans-1,2-Dichloroethene	580	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	870	U
78-93-3	2-Butanone	870	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	580	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	580	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	580	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	580	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	580	U
79-00-5	1,1,2-Trichloroethane	580	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	580	U
126-48-1	Dibromochloromethane	580	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	580	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-17

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.10

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03265.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 10.98 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	870	U
1330-20-7	o-Xylene	580	U
100-42-5	Styrene	580	U
75-25-2	Bromoform	580	U
79-34-5	1,1,2,2-Tetrachloroethane	580	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-17

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.10

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03265.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 10.98 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-18

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.12

Sample wt/vol: 11.8 (g/ml) G Lab File ID: V03266.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 11.29 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	960	U
107131	Acrylonitrile	960	U
75650	tert-Butyl alcohol	1400	U
1634044	Methyl-tert-Butyl ether	720	U
108203	Di-isopropyl ether	480	U
	Dichlorodifluoromethane	960	U
74-87-3	Chloromethane	240	U
75-01-4	Vinyl Chloride	720	U
74-83-9	Bromomethane	480	U
75-00-3	Chloroethane	720	U
75-69-4	Trichlorofluoromethane	480	U
75-35-4	1,1-Dichloroethene	240	U
67-64-1	Acetone	480	U
75-15-0	Carbon Disulfide	240	U
75-09-2	Methylene Chloride	480	U
156-60-5	trans-1,2-Dichloroethene	480	U
75-35-3	1,1-Dichloroethane	240	U
108-05-4	Vinyl Acetate	720	U
78-93-3	2-Butanone	720	U
	cis-1,2-Dichloroethene	240	U
67-66-3	Chloroform	240	U
75-55-6	1,1,1-Trichloroethane	240	U
56-23-5	Carbon Tetrachloride	480	U
71-43-2	Benzene	240	U
107-06-2	1,2-Dichloroethane	480	U
79-01-6	Trichloroethene	240	U
78-87-5	1,2-Dichloropropane	240	U
75-27-4	Bromodichloromethane	240	U
110-75-8	2-Chloroethyl vinyl ether	480	U
10061-01-5	cis-1,3-Dichloropropene	240	U
108-10-1	4-Methyl-2-Pentanone	480	U
108-88-3	Toluene	240	U
10061-02-6	trans-1,3-Dichloropropene	480	U
79-00-5	1,1,2-Trichloroethane	480	U
127-18-4	Tetrachloroethene	240	U
591-78-6	2-Hexanone	480	U
126-48-1	Dibromochloromethane	480	U
108-90-7	Chlorobenzene	240	U
100-41-4	Ethylbenzene	480	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-18**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.12

Sample wt/vol: 11.8 (g/ml) G Lab File ID: V03266.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 11.29 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	720	U
1330-20-7	o-Xylene	480	U
100-42-5	Styrene	480	U
75-25-2	Bromoform	480	U
79-34-5	1,1,2,2-Tetrachloroethane	480	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-18

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.12

Sample wt/vol: 11.8 (g/ml) G Lab File ID: V03266.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 11.29 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-19

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.14

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03267.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 13.48 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	790	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	790	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	790	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	790	U
78-93-3	2-Butanone	790	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-19

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.14

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03267.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 13.48 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	790	U
1330-20-7	o-Xylene	530	U
100-42-5	Styrene	530	U
75-25-2	Bromoform	530	U
79-34-5	1,1,2,2-Tetrachloroethane	530	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-19

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.14

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03267.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 13.48 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-20

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.16

Sample wt/vol: 11.3 (g/ml) G Lab File ID: V03268.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 13.23 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	770	U
108203	Di-isopropyl ether	510	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	770	U
74-83-9	Bromomethane	510	U
75-00-3	Chloroethane	770	U
75-69-4	Trichlorofluoromethane	510	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	510	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	510	U
156-60-5	trans-1,2-Dichloroethene	510	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	770	U
78-93-3	2-Butanone	770	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	510	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	510	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	510	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	510	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	510	U
79-00-5	1,1,2-Trichloroethane	510	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	510	U
126-48-1	Dibromochloromethane	510	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	510	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-20

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.16

Sample wt/vol: 11.3 (g/ml) G Lab File ID: V03268.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 13.23 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	770	U
1330-20-7	o-Xylene	510	U
100-42-5	Styrene	510	U
75-25-2	Bromoform	510	U
79-34-5	1,1,2,2-Tetrachloroethane	510	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-20

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.16

Sample wt/vol: 11.3 (g/ml) G Lab File ID: V03268.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 13.23 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-21

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.18

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03269.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 9.54 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	550	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	820	U
74-83-9	Bromomethane	550	U
75-00-3	Chloroethane	820	U
75-69-4	Trichlorofluoromethane	550	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	550	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	550	U
156-60-5	trans-1,2-Dichloroethene	550	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	820	U
78-93-3	2-Butanone	820	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	550	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	550	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	550	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	550	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	550	U
79-00-5	1,1,2-Trichloroethane	550	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	550	U
126-48-1	Dibromochloromethane	550	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	550	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-21

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.18

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03269.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 9.54 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	820	U
1330-20-7	o-Xylene	550	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-21

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.18

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03269.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 9.54 Date Analyzed: 03/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-22

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.20

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03270.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 10.53 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	770	U
108203	Di-isopropyl ether	510	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	770	U
74-83-9	Bromomethane	510	U
75-00-3	Chloroethane	770	U
75-69-4	Trichlorofluoromethane	510	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	510	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	510	U
156-60-5	trans-1,2-Dichloroethene	510	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	770	U
78-93-3	2-Butanone	770	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	510	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	510	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	510	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	510	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	510	U
79-00-5	1,1,2-Trichloroethane	510	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	510	U
126-48-1	Dibromochloromethane	510	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	510	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-22

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.20

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03270.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 10.53 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	770	U
1330-20-7	o-Xylene	510	U
100-42-5	Styrene	510	U
75-25-2	Bromoform	510	U
79-34-5	1,1,2,2-Tetrachloroethane	510	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-22

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.20

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03270.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 10.53 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	12.15	4100	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-23

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.22

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03271.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 15.76 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-23

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.22

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03271.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 15.76 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	810	U
1330-20-7	o-Xylene	540	U
100-42-5	Styrene	540	U
75-25-2	Bromoform	540	U
79-34-5	1,1,2,2-Tetrachloroethane	540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-23

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.22

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03271.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 15.76 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-24

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.24

Sample wt/vol: 11.1 (g/ml) G Lab File ID: V03278.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 13.45 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-24

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.24

Sample wt/vol: 11.1 (g/ml) G Lab File ID: V03278.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 13.45 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	780	U
1330-20-7	o-Xylene	520	U
100-42-5	Styrene	520	U
75-25-2	Bromoform	520	U
79-34-5	1,1,2,2-Tetrachloroethane	520	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-24

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.24

Sample wt/vol: 11.1 (g/ml) G Lab File ID: V03278.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 13.45 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-25

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.26

Sample wt/vol: 11.4 (g/ml) G Lab File ID: V03304.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 11.98 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-25

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.26

Sample wt/vol: 11.4 (g/ml) G Lab File ID: V03304.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 11.98 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-25

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.26

Sample wt/vol: 11.4 (g/ml) G Lab File ID: V03304.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 11.98 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-26

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.28

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03280.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 10.78 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1200	U
107131	Acrylonitrile	1200	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	860	U
108203	Di-isopropyl ether	580	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	860	U
74-83-9	Bromomethane	580	U
75-00-3	Chloroethane	860	U
75-69-4	Trichlorofluoromethane	580	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	580	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	580	U
156-60-5	trans-1,2-Dichloroethene	580	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	860	U
78-93-3	2-Butanone	860	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	580	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	580	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	580	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	580	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	580	U
79-00-5	1,1,2-Trichloroethane	580	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	580	U
126-48-1	Dibromochloromethane	580	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	580	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-26

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.28

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03280.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 10.78 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	860	U
1330-20-7	o-Xylene	580	U
100-42-5	Styrene	580	U
75-25-2	Bromoform	580	U
79-34-5	1,1,2,2-Tetrachloroethane	580	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-26

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.28

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03280.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 10.78 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-27

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.32

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03282.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 14.42 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-27

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.32

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03282.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 14.42 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	800	U
1330-20-7	o-Xylene	540	U
100-42-5	Styrene	540	U
75-25-2	Bromoform	540	U
79-34-5	1,1,2,2-Tetrachloroethane	540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-27

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.32

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03282.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 14.42 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-28

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.34

Sample wt/vol: 11.1 (g/ml) G Lab File ID: V03283.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 12.56 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	770	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	770	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	770	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	770	U
78-93-3	2-Butanone	770	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-28

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.34

Sample wt/vol: 11.1 (g/ml) G Lab File ID: V03283.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 12.56 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	770	U
1330-20-7	o-Xylene	520	U
100-42-5	Styrene	520	U
75-25-2	Bromoform	520	U
79-34-5	1,1,2,2-Tetrachloroethane	520	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-28

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.34

Sample wt/vol: 11.1 (g/ml) G Lab File ID: V03283.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 12.56 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-29

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.36

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03284.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 19.6 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1200	U
107131	Acrylonitrile	1200	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	870	U
108203	Di-isopropyl ether	580	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	870	U
74-83-9	Bromomethane	580	U
75-00-3	Chloroethane	870	U
75-69-4	Trichlorofluoromethane	580	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	580	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	580	U
156-60-5	trans-1,2-Dichloroethene	580	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	870	U
78-93-3	2-Butanone	870	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	580	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	580	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	580	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	580	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	580	U
79-00-5	1,1,2-Trichloroethane	580	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	580	U
126-48-1	Dibromochloromethane	580	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	580	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-29

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.36

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03284.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 19.6 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	870	U
1330-20-7	o-Xylene	580	U
100-42-5	Styrene	580	U
75-25-2	Bromoform	580	U
79-34-5	1,1,2,2-Tetrachloroethane	580	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-29

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3399 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3399.36

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03284.D

Level: (low/med) MED Date Received: 03/11/98

% Moisture: not dec. 19.6 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-30

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.02

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03288.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 11.09 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1200	U
107131	Acrylonitrile	1200	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	870	U
108203	Di-isopropyl ether	580	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	870	U
74-83-9	Bromomethane	580	U
75-00-3	Chloroethane	870	U
75-69-4	Trichlorofluoromethane	580	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	580	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	580	U
156-60-5	trans-1,2-Dichloroethene	580	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	870	U
78-93-3	2-Butanone	870	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	580	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	580	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	580	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	580	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	580	U
79-00-5	1,1,2-Trichloroethane	580	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	580	U
126-48-1	Dibromochloromethane	580	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	580	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-30

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.02

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03288.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 11.09 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	870	U
1330-20-7	o-Xylene	580	U
100-42-5	Styrene	580	U
75-25-2	Bromoform	580	U
79-34-5	1,1,2,2-Tetrachloroethane	580	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-30

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.02

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03288.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 11.09 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-31

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.04

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03289.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.67 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	840	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	840	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	840	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	840	U
78-93-3	2-Butanone	840	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-31

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.04

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03289.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.67 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	840	U
1330-20-7	o-Xylene	560	U
100-42-5	Styrene	560	U
75-25-2	Bromoform	560	U
79-34-5	1,1,2,2-Tetrachloroethane	560	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-31

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.04

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03289.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.67 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-32

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03290.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 13.4 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	850	U
108203	Di-isopropyl ether	570	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	850	U
74-83-9	Bromomethane	570	U
75-00-3	Chloroethane	850	U
75-69-4	Trichlorofluoromethane	570	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	570	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	570	U
156-60-5	trans-1,2-Dichloroethene	570	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	850	U
78-93-3	2-Butanone	850	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	570	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	570	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	570	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	570	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	570	U
79-00-5	1,1,2-Trichloroethane	570	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	570	U
126-48-1	Dibromochloromethane	570	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	570	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-32

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03290.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 13.4 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	850	U
1330-20-7	o-Xylene	570	U
100-42-5	Styrene	570	U
75-25-2	Bromoform	570	U
79-34-5	1,1,2,2-Tetrachloroethane	570	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-32

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03290.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 13.4 Date Analyzed: 03/21/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-33

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.08

Sample wt/vol: 8.6 (g/ml) G Lab File ID: V03291.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 14.47 Date Analyzed: 03/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1400	U
107131	Acrylonitrile	1400	U
75650	tert-Butyl alcohol	2000	U
1634044	Methyl-tert-Butyl ether	1000	U
108203	Di-isopropyl ether	680	U
	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	340	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	680	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	680	U
75-35-4	1,1-Dichloroethene	340	U
67-64-1	Acetone	680	U
75-15-0	Carbon Disulfide	340	U
75-09-2	Methylene Chloride	680	U
156-60-5	trans-1,2-Dichloroethene	680	U
75-35-3	1,1-Dichloroethane	340	U
108-05-4	Vinyl Acetate	1000	U
78-93-3	2-Butanone	1000	U
	cis-1,2-Dichloroethene	340	U
67-66-3	Chloroform	340	U
75-55-6	1,1,1-Trichloroethane	340	U
56-23-5	Carbon Tetrachloride	680	U
71-43-2	Benzene	340	U
107-06-2	1,2-Dichloroethane	680	U
79-01-6	Trichloroethene	340	U
78-87-5	1,2-Dichloropropane	340	U
75-27-4	Bromodichloromethane	340	U
110-75-8	2-Chloroethyl vinyl ether	680	U
10061-01-5	cis-1,3-Dichloropropene	340	U
108-10-1	4-Methyl-2-Pentanone	680	U
108-88-3	Toluene	340	U
10061-02-6	trans-1,3-Dichloropropene	680	U
79-00-5	1,1,2-Trichloroethane	680	U
127-18-4	Tetrachloroethene	340	U
591-78-6	2-Hexanone	680	U
126-48-1	Dibromochloromethane	680	U
108-90-7	Chlorobenzene	340	U
100-41-4	Ethylbenzene	680	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-33

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.08

Sample wt/vol: 8.6 (g/ml) G Lab File ID: V03291.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 14.47 Date Analyzed: 03/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1000	U
1330-20-7	o-Xylene	680	U
100-42-5	Styrene	680	U
75-25-2	Bromoform	680	U
79-34-5	1,1,2,2-Tetrachloroethane	680	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-33

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.08

Sample wt/vol: 8.6 (g/ml) G Lab File ID: V03291.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 14.47 Date Analyzed: 03/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-34

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.10

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03305.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 15.56 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1200	U
107131	Acrylonitrile	1200	U
75650	tert-Butyl alcohol	1800	U
1634044	Methyl-tert-Butyl ether	920	U
108203	Di-isopropyl ether	610	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	920	U
74-83-9	Bromomethane	610	U
75-00-3	Chloroethane	920	U
75-69-4	Trichlorofluoromethane	610	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	610	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	610	U
156-60-5	trans-1,2-Dichloroethene	610	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	920	U
78-93-3	2-Butanone	920	U
	cis-1,2-Dichloroethene	310	U
67-66-3	Chloroform	310	U
75-55-6	1,1,1-Trichloroethane	310	U
56-23-5	Carbon Tetrachloride	610	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	610	U
79-01-6	Trichloroethene	310	U
78-87-5	1,2-Dichloropropane	310	U
75-27-4	Bromodichloromethane	310	U
110-75-8	2-Chloroethyl vinyl ether	610	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	610	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	610	U
79-00-5	1,1,2-Trichloroethane	610	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	610	U
126-48-1	Dibromochloromethane	610	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	610	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-34

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.10

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03305.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 15.56 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	920	U
1330-20-7	o-Xylene	610	U
100-42-5	Styrene	610	U
75-25-2	Bromoform	610	U
79-34-5	1,1,2,2-Tetrachloroethane	610	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-34

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.10

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03305.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 15.56 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-35

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.12

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03306.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.09 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	550	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	820	U
74-83-9	Bromomethane	550	U
75-00-3	Chloroethane	820	U
75-69-4	Trichlorofluoromethane	550	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	550	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	550	U
156-60-5	trans-1,2-Dichloroethene	550	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	820	U
78-93-3	2-Butanone	820	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	550	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	550	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	550	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	550	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	550	U
79-00-5	1,1,2-Trichloroethane	550	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	550	U
126-48-1	Dibromochloromethane	550	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	550	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-35

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.12

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03306.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.09 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	820	U
1330-20-7	o-Xylene	550	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. **B-35**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.12

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03306.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.09 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-36

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.14

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03307.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 15.06 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1200	U
107131	Acrylonitrile	1200	U
75650	tert-Butyl alcohol	1800	U
1634044	Methyl-tert-Butyl ether	910	U
108203	Di-isopropyl ether	600	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	910	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	910	U
75-69-4	Trichlorofluoromethane	600	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	600	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	600	U
156-60-5	trans-1,2-Dichloroethene	600	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	910	U
78-93-3	2-Butanone	910	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	600	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	600	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	600	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	600	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	600	U
79-00-5	1,1,2-Trichloroethane	600	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	600	U
126-48-1	Dibromochloromethane	600	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	600	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-36

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.14

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03307.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 15.06 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	910	U
1330-20-7	o-Xylene	600	U
100-42-5	Styrene	600	U
75-25-2	Bromoform	600	U
79-34-5	1,1,2,2-Tetrachloroethane	600	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-36

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.14

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03307.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 15.06 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-37

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.16

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03308.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 11.65 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1200	U
107131	Acrylonitrile	1200	U
75650	tert-Butyl alcohol	1800	U
1634044	Methyl-tert-Butyl ether	890	U
108203	Di-isopropyl ether	590	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	890	U
74-83-9	Bromomethane	590	U
75-00-3	Chloroethane	890	U
75-69-4	Trichlorofluoromethane	590	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	590	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	590	U
156-60-5	trans-1,2-Dichloroethene	590	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	890	U
78-93-3	2-Butanone	890	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	590	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	590	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	590	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	590	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	590	U
79-00-5	1,1,2-Trichloroethane	590	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	590	U
126-48-1	Dibromochloromethane	590	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	590	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-37

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.16

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03308.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 11.65 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	890	U
1330-20-7	o-Xylene	590	U
100-42-5	Styrene	590	U
75-25-2	Bromoform	590	U
79-34-5	1,1,2,2-Tetrachloroethane	590	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. **B-37**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.16

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03308.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 11.65 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-38

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.18

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03309.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.83 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1200	U
107131	Acrylonitrile	1200	U
75650	tert-Butyl alcohol	1800	U
1634044	Methyl-tert-Butyl ether	890	U
108203	Di-isopropyl ether	590	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	890	U
74-83-9	Bromomethane	590	U
75-00-3	Chloroethane	890	U
75-69-4	Trichlorofluoromethane	590	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	590	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	590	U
156-60-5	trans-1,2-Dichloroethene	590	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	890	U
78-93-3	2-Butanone	890	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	590	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	590	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	590	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	590	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	590	U
79-00-5	1,1,2-Trichloroethane	590	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	590	U
126-48-1	Dibromochloromethane	590	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	590	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-38

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.18

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03309.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.83 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	890	U
1330-20-7	o-Xylene	590	U
100-42-5	Styrene	590	U
75-25-2	Bromoform	590	U
79-34-5	1,1,2,2-Tetrachloroethane	590	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-38

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.18

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03309.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.83 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-39

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.20

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03310.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 11.49 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
[redacted]	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-39

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.20

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03310.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 11.49 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	800	U
1330-20-7	o-Xylene	530	U
100-42-5	Styrene	530	U
75-25-2	Bromoform	530	U
79-34-5	1,1,2,2-Tetrachloroethane	530	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-39

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.20

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03310.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 11.49 Date Analyzed: 03/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-40

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.22

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03319.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 13.26 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	850	U
108203	Di-isopropyl ether	570	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	850	U
74-83-9	Bromomethane	570	U
75-00-3	Chloroethane	850	U
75-69-4	Trichlorofluoromethane	570	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	570	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	570	U
156-60-5	trans-1,2-Dichloroethene	570	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	850	U
78-93-3	2-Butanone	850	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	570	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	570	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	570	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	570	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	570	U
79-00-5	1,1,2-Trichloroethane	570	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	570	U
126-48-1	Dibromochloromethane	570	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	570	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-40

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.22

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03319.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 13.26 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	850	U
1330-20-7	o-Xylene	570	U
100-42-5	Styrene	570	U
75-25-2	Bromoform	570	U
79-34-5	1,1,2,2-Tetrachloroethane	570	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-40

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.22

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03319.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 13.26 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	12.17	5700	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-41

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.24

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03320.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 14.16 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1200	U
107131	Acrylonitrile	1200	U
75650	tert-Butyl alcohol	1800	U
1634044	Methyl-tert-Butyl ether	920	U
108203	Di-isopropyl ether	610	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	920	U
74-83-9	Bromomethane	610	U
75-00-3	Chloroethane	920	U
75-69-4	Trichlorofluoromethane	610	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	610	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	610	U
156-60-5	trans-1,2-Dichloroethene	610	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	920	U
78-93-3	2-Butanone	920	U
	cis-1,2-Dichloroethene	310	U
67-66-3	Chloroform	310	U
75-55-6	1,1,1-Trichloroethane	310	U
56-23-5	Carbon Tetrachloride	610	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	610	U
79-01-6	Trichloroethene	310	U
78-87-5	1,2-Dichloropropane	310	U
75-27-4	Bromodichloromethane	310	U
110-75-8	2-Chloroethyl vinyl ether	610	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	610	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	610	U
79-00-5	1,1,2-Trichloroethane	610	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	610	U
126-48-1	Dibromochloromethane	610	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	610	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-41

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.24

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03320.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 14.16 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	920	U
1330-20-7	o-Xylene	610	U
100-42-5	Styrene	610	U
75-25-2	Bromoform	610	U
79-34-5	1,1,2,2-Tetrachloroethane	610	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-41

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.24

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03320.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 14.16 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

000202

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-42

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.26

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03321.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 26.94 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1300	U
107131	Acrylonitrile	1300	U
75650	tert-Butyl alcohol	1900	U
1634044	Methyl-tert-Butyl ether	940	U
108203	Di-isopropyl ether	630	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	940	U
74-83-9	Bromomethane	630	U
75-00-3	Chloroethane	940	U
75-69-4	Trichlorofluoromethane	630	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	630	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	630	U
156-60-5	trans-1,2-Dichloroethene	630	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	940	U
78-93-3	2-Butanone	940	U
	cis-1,2-Dichloroethene	310	U
67-66-3	Chloroform	310	U
75-55-6	1,1,1-Trichloroethane	310	U
56-23-5	Carbon Tetrachloride	630	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	630	U
79-01-6	Trichloroethene	310	U
78-87-5	1,2-Dichloropropane	310	U
75-27-4	Bromodichloromethane	310	U
110-75-8	2-Chloroethyl vinyl ether	630	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	630	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	630	U
79-00-5	1,1,2-Trichloroethane	630	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	630	U
126-48-1	Dibromochloromethane	630	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	630	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-42

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.26

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03321.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 26.94 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	940	U
1330-20-7	o-Xylene	630	U
100-42-5	Styrene	630	U
75-25-2	Bromoform	630	U
79-34-5	1,1,2,2-Tetrachloroethane	630	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-42

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.26

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03321.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 26.94 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-43

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.28

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03322.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.33 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	49	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-43

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.28

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03322.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.33 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	810	U
1330-20-7	o-Xylene	540	U
100-42-5	Styrene	540	U
75-25-2	Bromoform	540	U
79-34-5	1,1,2,2-Tetrachloroethane	540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-43

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.28

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03322.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.33 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	12.15	12000	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-44

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.30

Sample wt/vol: 9.3 (g/ml) G Lab File ID: V03323.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 15.93 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1300	U
107131	Acrylonitrile	1300	U
75650	tert-Butyl alcohol	1900	U
1634044	Methyl-tert-Butyl ether	960	U
108203	Di-isopropyl ether	640	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	320	U
75-01-4	Vinyl Chloride	960	U
74-83-9	Bromomethane	640	U
75-00-3	Chloroethane	960	U
75-69-4	Trichlorofluoromethane	640	U
75-35-4	1,1-Dichloroethene	320	U
67-64-1	Acetone	640	U
75-15-0	Carbon Disulfide	320	U
75-09-2	Methylene Chloride	640	U
156-60-5	trans-1,2-Dichloroethene	640	U
75-35-3	1,1-Dichloroethane	320	U
108-05-4	Vinyl Acetate	960	U
78-93-3	2-Butanone	960	U
	cis-1,2-Dichloroethene	320	U
67-66-3	Chloroform	320	U
75-55-6	1,1,1-Trichloroethane	320	U
56-23-5	Carbon Tetrachloride	640	U
71-43-2	Benzene	320	U
107-06-2	1,2-Dichloroethane	640	U
79-01-6	Trichloroethene	320	U
78-87-5	1,2-Dichloropropane	320	U
75-27-4	Bromodichloromethane	320	U
110-75-8	2-Chloroethyl vinyl ether	640	U
10061-01-5	cis-1,3-Dichloropropene	320	U
108-10-1	4-Methyl-2-Pentanone	640	U
108-88-3	Toluene	320	U
10061-02-6	trans-1,3-Dichloropropene	640	U
79-00-5	1,1,2-Trichloroethane	640	U
127-18-4	Tetrachloroethene	320	U
591-78-6	2-Hexanone	640	U
126-48-1	Dibromochloromethane	640	U
108-90-7	Chlorobenzene	320	U
100-41-4	Ethylbenzene	640	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-44

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.30

Sample wt/vol: 9.3 (g/ml) G Lab File ID: V03323.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 15.93 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	960	U
1330-20-7	o-Xylene	640	U
100-42-5	Styrene	640	U
75-25-2	Bromoform	640	U
79-34-5	1,1,2,2-Tetrachloroethane	640	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-44

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.30

Sample wt/vol: 9.3 (g/ml) G Lab File ID: V03323.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 15.93 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-45

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.32

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03324.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 14.5 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	550	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	820	U
74-83-9	Bromomethane	550	U
75-00-3	Chloroethane	820	U
75-69-4	Trichlorofluoromethane	550	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	550	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	550	U
156-60-5	trans-1,2-Dichloroethene	550	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	820	U
78-93-3	2-Butanone	820	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	550	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	550	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	550	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	550	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	550	U
79-00-5	1,1,2-Trichloroethane	550	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	550	U
126-48-1	Dibromochloromethane	550	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	550	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-45

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.32

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03324.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 14.5 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	820	U
1330-20-7	o-Xylene	550	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-45

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.32

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03324.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 14.5 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-46

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.34

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03325.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 15.22 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	850	U
108203	Di-isopropyl ether	570	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	850	U
74-83-9	Bromomethane	570	U
75-00-3	Chloroethane	850	U
75-69-4	Trichlorofluoromethane	570	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	570	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	570	U
156-60-5	trans-1,2-Dichloroethene	570	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	850	U
78-93-3	2-Butanone	850	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	570	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	570	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	570	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	570	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	570	U
79-00-5	1,1,2-Trichloroethane	570	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	570	U
126-48-1	Dibromochloromethane	570	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	570	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-46

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.34

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03325.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 15.22 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	850	U
1330-20-7	o-Xylene	570	U
100-42-5	Styrene	570	U
75-25-2	Bromoform	570	U
79-34-5	1,1,2,2-Tetrachloroethane	570	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-46

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.34

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03325.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 15.22 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-47

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.36

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03326.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.15 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	860	U
108203	Di-isopropyl ether	570	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	860	U
74-83-9	Bromomethane	570	U
75-00-3	Chloroethane	860	U
75-69-4	Trichlorofluoromethane	570	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	570	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	570	U
156-60-5	trans-1,2-Dichloroethene	570	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	860	U
78-93-3	2-Butanone	860	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	570	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	570	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	570	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	570	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	570	U
79-00-5	1,1,2-Trichloroethane	570	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	570	U
126-48-1	Dibromochloromethane	570	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	570	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-47

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.36

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03326.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.15 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	860	U
1330-20-7	o-Xylene	570	U
100-42-5	Styrene	570	U
75-25-2	Bromoform	570	U
79-34-5	1,1,2,2-Tetrachloroethane	570	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-47

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.36

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03326.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.15 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-48

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.40

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03328.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.97 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	840	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	840	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	840	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	840	U
78-93-3	2-Butanone	840	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-48

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.40

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03328.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.97 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	840	U
1330-20-7	o-Xylene	560	U
100-42-5	Styrene	560	U
75-25-2	Bromoform	560	U
79-34-5	1,1,2,2-Tetrachloroethane	560	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-48

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.40

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03328.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 12.97 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-49

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.42

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03329.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 11.9 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	550	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	820	U
74-83-9	Bromomethane	550	U
75-00-3	Chloroethane	820	U
75-69-4	Trichlorofluoromethane	550	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	550	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	550	U
156-60-5	trans-1,2-Dichloroethene	550	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	820	U
78-93-3	2-Butanone	820	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	550	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	550	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	550	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	550	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	550	U
79-00-5	1,1,2-Trichloroethane	550	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	550	U
126-48-1	Dibromochloromethane	550	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	550	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-49

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.42

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03329.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 11.9 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	820	U
1330-20-7	o-Xylene	550	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-49

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3403 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3403.42

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03329.D

Level: (low/med) MED Date Received: 03/12/98

% Moisture: not dec. 11.9 Date Analyzed: 03/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-50

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.02

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03344.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 12.25 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-50

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.02

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03344.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 12.25 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	800	U
1330-20-7	o-Xylene	540	U
100-42-5	Styrene	540	U
75-25-2	Bromoform	540	U
79-34-5	1,1,2,2-Tetrachloroethane	540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-50

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.02

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03344.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 12.25 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	12.14	3700	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-51

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03345.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 10.87 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	830	U
108203	Di-isopropyl ether	550	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	830	U
74-83-9	Bromomethane	550	U
75-00-3	Chloroethane	830	U
75-69-4	Trichlorofluoromethane	550	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	550	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	550	U
156-60-5	trans-1,2-Dichloroethene	550	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	830	U
78-93-3	2-Butanone	830	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	550	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	550	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	550	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	550	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	550	U
79-00-5	1,1,2-Trichloroethane	550	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	550	U
126-48-1	Dibromochloromethane	550	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	550	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-51

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03345.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 10.87 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	830	U
1330-20-7	o-Xylene	550	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-51

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03345.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 10.87 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-52

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.06

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03346.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 11.01 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	790	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	790	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	790	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	790	U
78-93-3	2-Butanone	790	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-52

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.06

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03346.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 11.01 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	790	U
1330-20-7	o-Xylene	530	U
100-42-5	Styrene	530	U
75-25-2	Bromoform	530	U
79-34-5	1,1,2,2-Tetrachloroethane	530	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-52

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.06

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03346.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 11.01 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-53

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.08

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03347.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 14.16 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	860	U
108203	Di-isopropyl ether	570	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	860	U
74-83-9	Bromomethane	570	U
75-00-3	Chloroethane	860	U
75-69-4	Trichlorofluoromethane	570	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	570	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	570	U
156-60-5	trans-1,2-Dichloroethene	570	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	860	U
78-93-3	2-Butanone	860	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	570	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	570	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	570	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	570	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	570	U
79-00-5	1,1,2-Trichloroethane	570	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	570	U
126-48-1	Dibromochloromethane	570	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	570	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-53

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.08

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03347.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 14.16 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	860	U
1330-20-7	o-Xylene	570	U
100-42-5	Styrene	570	U
75-25-2	Bromoform	570	U
79-34-5	1,1,2,2-Tetrachloroethane	570	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-53

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.08

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03347.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 14.16 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-54

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.10

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03348.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 12.44 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	830	U
108203	Di-isopropyl ether	550	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	830	U
74-83-9	Bromomethane	550	U
75-00-3	Chloroethane	830	U
75-69-4	Trichlorofluoromethane	550	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	550	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	550	U
156-60-5	trans-1,2-Dichloroethene	550	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	830	U
78-93-3	2-Butanone	830	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	550	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	550	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	550	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	550	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	550	U
79-00-5	1,1,2-Trichloroethane	550	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	550	U
126-48-1	Dibromochloromethane	550	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	550	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-54

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.10

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03348.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 12.44 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	830	U
1330-20-7	o-Xylene	550	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-54

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.10

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03348.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 12.44 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-55

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.12

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03349.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 15.9 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-55

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.12

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03349.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 15.9 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	810	U
1330-20-7	o-Xylene	540	U
100-42-5	Styrene	540	U
75-25-2	Bromoform	540	U
79-34-5	1,1,2,2-Tetrachloroethane	540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-55

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.12

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03349.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 15.9 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-56

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.14

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03350.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 10.3 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	790	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	790	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	790	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	790	U
78-93-3	2-Butanone	790	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-56

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.14

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03350.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 10.3 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	790	U
1330-20-7	o-Xylene	520	U
100-42-5	Styrene	520	U
75-25-2	Bromoform	520	U
79-34-5	1,1,2,2-Tetrachloroethane	520	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-56

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.14

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03350.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 10.3 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-57

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.16

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03351.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 17.82 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	840	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	840	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	840	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	840	U
78-93-3	2-Butanone	840	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-57

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.16

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03351.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 17.82 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	840	U
1330-20-7	o-Xylene	560	U
100-42-5	Styrene	560	U
75-25-2	Bromoform	560	U
79-34-5	1,1,2,2-Tetrachloroethane	560	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-57

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.16

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03351.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 17.82 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-58

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.18

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03352.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 13.51 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1200	U
107131	Acrylonitrile	1200	U
75650	tert-Butyl alcohol	1800	U
1634044	Methyl-tert-Butyl ether	900	U
108203	Di-isopropyl ether	600	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	900	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	900	U
75-69-4	Trichlorofluoromethane	600	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	600	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	600	U
156-60-5	trans-1,2-Dichloroethene	600	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	900	U
78-93-3	2-Butanone	900	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	600	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	600	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	600	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	600	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	600	U
79-00-5	1,1,2-Trichloroethane	600	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	600	U
126-48-1	Dibromochloromethane	600	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	600	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-58

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.18

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03352.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 13.51 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	900	U
1330-20-7	o-Xylene	600	U
100-42-5	Styrene	600	U
75-25-2	Bromoform	600	U
79-34-5	1,1,2,2-Tetrachloroethane	600	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-58

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.18

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03352.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 13.51 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-59

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.20

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03363.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 10.33 Date Analyzed: 03/27/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	770	U
108203	Di-isopropyl ether	510	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	770	U
74-83-9	Bromomethane	510	U
75-00-3	Chloroethane	770	U
75-69-4	Trichlorofluoromethane	510	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	510	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	510	U
156-60-5	trans-1,2-Dichloroethene	510	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	770	U
78-93-3	2-Butanone	770	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	510	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	510	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	510	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	510	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	510	U
79-00-5	1,1,2-Trichloroethane	510	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	510	U
126-48-1	Dibromochloromethane	510	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	510	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-59

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.20

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03363.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 10.33 Date Analyzed: 03/27/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	770	U
1330-20-7	o-Xylene	510	U
100-42-5	Styrene	510	U
75-25-2	Bromoform	510	U
79-34-5	1,1,2,2-Tetrachloroethane	510	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-59

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.20

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03363.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 10.33 Date Analyzed: 03/27/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-60**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.22

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03364.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 11.36 Date Analyzed: 03/27/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1700	U
1634044	Methyl-tert-Butyl ether	850	U
108203	Di-isopropyl ether	570	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	850	U
74-83-9	Bromomethane	570	U
75-00-3	Chloroethane	850	U
75-69-4	Trichlorofluoromethane	570	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	570	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	570	U
156-60-5	trans-1,2-Dichloroethene	570	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	850	U
78-93-3	2-Butanone	850	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	570	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	570	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	570	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	570	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	570	U
79-00-5	1,1,2-Trichloroethane	570	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	570	U
126-48-1	Dibromochloromethane	570	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	570	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-60

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.22

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03364.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 11.36 Date Analyzed: 03/27/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	850	U
1330-20-7	o-Xylene	570	U
100-42-5	Styrene	570	U
75-25-2	Bromoform	570	U
79-34-5	1,1,2,2-Tetrachloroethane	570	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-60

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.22

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03364.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 11.36 Date Analyzed: 03/27/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-61**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.24

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03355.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 7.87 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	990	U
107131	Acrylonitrile	990	U
75650	tert-Butyl alcohol	1500	U
1634044	Methyl-tert-Butyl ether	740	U
108203	Di-isopropyl ether	490	U
	Dichlorodifluoromethane	990	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	740	U
74-83-9	Bromomethane	490	U
75-00-3	Chloroethane	740	U
75-69-4	Trichlorofluoromethane	490	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	490	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	490	U
156-60-5	trans-1,2-Dichloroethene	490	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	740	U
78-93-3	2-Butanone	740	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	490	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	490	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	490	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	490	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	490	U
79-00-5	1,1,2-Trichloroethane	490	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	490	U
126-48-1	Dibromochloromethane	490	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	490	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-61

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.24

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03355.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 7.87 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	740	U
1330-20-7	o-Xylene	490	U
100-42-5	Styrene	490	U
75-25-2	Bromoform	490	U
79-34-5	1,1,2,2-Tetrachloroethane	490	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-61

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.24

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03355.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 7.87 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-62

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.26

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03356.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 14.57 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1200	U
107131	Acrylonitrile	1200	U
75650	tert-Butyl alcohol	1800	U
1634044	Methyl-tert-Butyl ether	880	U
108203	Di-isopropyl ether	590	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	880	U
74-83-9	Bromomethane	590	U
75-00-3	Chloroethane	880	U
75-69-4	Trichlorofluoromethane	590	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	590	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	590	U
156-60-5	trans-1,2-Dichloroethene	590	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	880	U
78-93-3	2-Butanone	880	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	590	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	590	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	590	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	590	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	590	U
79-00-5	1,1,2-Trichloroethane	590	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	590	U
126-48-1	Dibromochloromethane	590	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	590	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-62

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.26

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03356.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 14.57 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	880	U
1330-20-7	o-Xylene	590	U
100-42-5	Styrene	590	U
75-25-2	Bromoform	590	U
79-34-5	1,1,2,2-Tetrachloroethane	590	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-62

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.26

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03356.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 14.57 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-63

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.28

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03357.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 13.59 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1100	U
107131	Acrylonitrile	1100	U
75650	tert-Butyl alcohol	1600	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-63

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.28

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03357.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 13.59 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	810	U
1330-20-7	o-Xylene	540	U
100-42-5	Styrene	540	U
75-25-2	Bromoform	540	U
79-34-5	1,1,2,2-Tetrachloroethane	540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-63

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3408 Location: M-4 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3408.28

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03357.D

Level: (low/med) MED Date Received: 03/13/98

% Moisture: not dec. 13.59 Date Analyzed: 03/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

METHOD BLANKS

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 37

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3396 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: SBLK 37

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1140.D

Level: (low/med) LOW Date Received: 03/09/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	500	U
62-75-9	N-nitroso-dimethylamine	500	U
62-53-3	Aniline	500	U
108-95-2	Phenol	500	U
111-44-4	bis(2-Chloroethyl)ether	500	U
95-57-8	2-Chlorophenol	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
100-51-6	Benzyl alcohol	500	U
95-50-1	1,2-Dichlorobenzene	500	U
	2-Methylphenol	500	U
108-60-1	bis(2-chloroisopropyl)ether	500	U
	4-Methylphenol	500	U
621-64-7	n-Nitroso-di-n-propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	500	U
111-91-1	bis(2-Chloroethoxy)methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
65-85-0	Benzoic Acid	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U
91-20-3	Naphthalene	500	U
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-methylphenol	500	U
91-57-6	2-Methylnaphthalene	500	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
	2,4,5-Trichlorophenol	500	U
91-58-7	2-Chloronaphthalene	500	U
88-74-4	2-Nitroaniline	500	U
131-11-3	Dimethylphthalate	500	U
208-96-8	Acenaphthylene	500	U
606-20-2	2,6-Dinitrotoluene	500	U
99-09-2	3-Nitroaniline	500	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 37

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3396 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: SBLK 37

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1140.D

Level: (low/med) LOW Date Received: 03/09/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	500	U
51-28-5	2,4-Dinitrophenol	500	U
132-64-9	Dibenzofuran	500	U
100-02-7	4-Nitrophenol	500	U
121-14-2	2,4-Dinitrotoluene	500	U
84-66-2	Diethylphthalate	500	U
86-73-7	Fluorene	500	U
7005-72-3	4-Chlorophenyl-phenylether	500	U
100-01-6	4-Nitroaniline	500	U
534-52-1	4,6-Dinitro-2-methylphenol	500	U
86-30-6	n-Nitrosodiphenylamine	500	U
103-33-3	Azobenzene	500	U
101-55-3	4-Bromophenyl-phenylether	500	U
118-74-1	Hexachlorobenzene	500	U
87-86-5	Pentachlorophenol	500	U
85-01-8	Phenanthrene	500	U
120-12-7	Anthracene	500	U
84-74-2	Di-n-butylphthalate	180	J
206-44-0	Fluoranthene	500	U
92-87-5	Benzidine	500	U
129-00-0	Pyrene	500	U
85-68-7	Butylbenzylphthalate	500	U
56-55-3	Benzo[a]anthracene	500	U
91-94-1	3,3'-Dichlorobenzidine	500	U
218-01-9	Chrysene	500	U
117-81-7	bis(2-Ethylhexyl)phthalate	500	U
117-84-0	Di-n-octylphthalate	500	U
205-99-2	Benzo[b]fluoranthene	500	U
207-08-9	Benzo[k]fluoranthene	500	U
50-32-8	Benzo[a]pyrene	500	U
193-39-5	Indeno[1,2,3-cd]pyrene	500	U
53-70-3	Dibenz[a,h]anthracene	500	U
191-24-2	Benzo[g,h,i]perylene	500	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK 37

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3396 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: SBLK 37

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1140.D

Level: (low/med) LOW Date Received: 03/09/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.30	400	JN
2. 000109-21-7	Butanoic acid, butyl ester	13.58	700	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis(	19.25	420	JN
4. 001599-67-3	1-Docosene	24.71	760	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 38

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 38

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1159.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	500	U
62-75-9	N-nitroso-dimethylamine	500	U
62-53-3	Aniline	500	U
108-95-2	Phenol	500	U
111-44-4	bis(2-Chloroethyl)ether	500	U
95-57-8	2-Chlorophenol	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
100-51-6	Benzyl alcohol	500	U
95-50-1	1,2-Dichlorobenzene	500	U
	2-Methylphenol	500	U
108-60-1	bis(2-chloroisopropyl)ether	500	U
	4-Methylphenol	500	U
621-64-7	n-Nitroso-di-n-propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	500	U
111-91-1	bis(2-Chloroethoxy)methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
65-85-0	Benzoic Acid	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U
91-20-3	Naphthalene	500	U
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-methylphenol	500	U
91-57-6	2-Methylnaphthalene	500	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
	2,4,5-Trichlorophenol	500	U
91-58-7	2-Chloronaphthalene	500	U
88-74-4	2-Nitroaniline	500	U
131-11-3	Dimethylphthalate	500	U
208-96-8	Acenaphthylene	500	U
606-20-2	2,6-Dinitrotoluene	500	U
99-09-2	3-Nitroaniline	500	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 38

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: SBLK 38

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1159.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	500	U
51-28-5	2,4-Dinitrophenol	500	U
132-64-9	Dibenzofuran	500	U
100-02-7	4-Nitrophenol	500	U
121-14-2	2,4-Dinitrotoluene	500	U
84-66-2	Diethylphthalate	59	J
86-73-7	Fluorene	500	U
7005-72-3	4-Chlorophenyl-phenylether	500	U
100-01-6	4-Nitroaniline	500	U
534-52-1	4,6-Dinitro-2-methylphenol	500	U
86-30-6	n-Nitrosodiphenylamine	500	U
103-33-3	Azobenzene	500	U
101-55-3	4-Bromophenyl-phenylether	500	U
118-74-1	Hexachlorobenzene	500	U
87-86-5	Pentachlorophenol	500	U
85-01-8	Phenanthrene	500	U
120-12-7	Anthracene	500	U
84-74-2	Di-n-butylphthalate	520	
206-44-0	Fluoranthene	500	U
92-87-5	Benzidine	500	U
129-00-0	Pyrene	500	U
85-68-7	Butylbenzylphthalate	500	U
56-55-3	Benzo[a]anthracene	500	U
91-94-1	3,3'-Dichlorobenzidine	500	U
218-01-9	Chrysene	500	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	
117-84-0	Di-n-octylphthalate	500	U
205-99-2	Benzo[b]fluoranthene	500	U
207-08-9	Benzo[k]fluoranthene	500	U
50-32-8	Benzo[a]pyrene	500	U
193-39-5	Indeno[1,2,3-cd]pyrene	500	U
53-70-3	Dibenz[a,h]anthracene	500	U
191-24-2	Benzo[g,h,i]perylene	500	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK 38

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: SBLK 38

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1159.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis(	19.26	990	JN
2. 000112-92-5	1-Octadecanol	24.71	710	JN

000367

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 37

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3396 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: SBLK 37

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1140.D

Level: (low/med) LOW Date Received: 03/09/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	500	U
62-75-9	N-nitroso-dimethylamine	500	U
62-53-3	Aniline	500	U
108-95-2	Phenol	500	U
111-44-4	bis(2-Chloroethyl)ether	500	U
95-57-8	2-Chlorophenol	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
100-51-6	Benzyl alcohol	500	U
95-50-1	1,2-Dichlorobenzene	500	U
	2-Methylphenol	500	U
108-60-1	bis(2-chloroisopropyl)ether	500	U
	4-Methylphenol	500	U
621-64-7	n-Nitroso-di-n-propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	500	U
111-91-1	bis(2-Chloroethoxy)methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
65-85-0	Benzoic Acid	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U
91-20-3	Naphthalene	500	U
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-methylphenol	500	U
91-57-6	2-Methylnaphthalene	500	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
	2,4,5-Trichlorophenol	500	U
91-58-7	2-Chloronaphthalene	500	U
88-74-4	2-Nitroaniline	500	U
131-11-3	Dimethylphthalate	500	U
208-96-8	Acenaphthylene	500	U
606-20-2	2,6-Dinitrotoluene	500	U
99-09-2	3-Nitroaniline	500	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 37

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3396 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: SBLK 37

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1140.D

Level: (low/med) LOW Date Received: 03/09/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	500	U
51-28-5	2,4-Dinitrophenol	500	U
132-64-9	Dibenzofuran	500	U
100-02-7	4-Nitrophenol	500	U
121-14-2	2,4-Dinitrotoluene	500	U
84-66-2	Diethylphthalate	500	U
86-73-7	Fluorene	500	U
7005-72-3	4-Chlorophenyl-phenylether	500	U
100-01-6	4-Nitroaniline	500	U
534-52-1	4,6-Dinitro-2-methylphenol	500	U
86-30-6	n-Nitrosodiphenylamine	500	U
103-33-3	Azobenzene	500	U
101-55-3	4-Bromophenyl-phenylether	500	U
118-74-1	Hexachlorobenzene	500	U
87-86-5	Pentachlorophenol	500	U
85-01-8	Phenanthrene	500	U
120-12-7	Anthracene	500	U
84-74-2	Di-n-butylphthalate	180	J
206-44-0	Fluoranthene	500	U
92-87-5	Benzidine	500	U
129-00-0	Pyrene	500	U
85-68-7	Butylbenzylphthalate	500	U
56-55-3	Benzo[a]anthracene	500	U
91-94-1	3,3'-Dichlorobenzidine	500	U
218-01-9	Chrysene	500	U
117-81-7	bis(2-Ethylhexyl)phthalate	500	U
117-84-0	Di-n-octylphthalate	500	U
205-99-2	Benzo[b]fluoranthene	500	U
207-08-9	Benzo[k]fluoranthene	500	U
50-32-8	Benzo[a]pyrene	500	U
193-39-5	Indeno[1,2,3-cd]pyrene	500	U
53-70-3	Dibenz[a,h]anthracene	500	U
191-24-2	Benzo[g,h,i]perylene	500	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK 37

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3396 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: SBLK 37

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1140.D

Level: (low/med) LOW Date Received: 03/09/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.30	400	JN
2. 000109-21-7	Butanoic acid, butyl ester	13.58	700	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis(	19.25	420	JN
4. 001599-67-3	1-Docosene	24.71	760	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 38

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: SBLK 38

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1159.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	500	U
62-75-9	N-nitroso-dimethylamine	500	U
62-53-3	Aniline	500	U
108-95-2	Phenol	500	U
111-44-4	bis(2-Chloroethyl)ether	500	U
95-57-8	2-Chlorophenol	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
100-51-6	Benzyl alcohol	500	U
95-50-1	1,2-Dichlorobenzene	500	U
	2-Methylphenol	500	U
108-60-1	bis(2-chloroisopropyl)ether	500	U
	4-Methylphenol	500	U
621-64-7	n-Nitroso-di-n-propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	500	U
111-91-1	bis(2-Chloroethoxy)methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
65-85-0	Benzoic Acid	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U
91-20-3	Naphthalene	500	U
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-methylphenol	500	U
91-57-6	2-Methylnaphthalene	500	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
	2,4,5-Trichlorophenol	500	U
91-58-7	2-Chloronaphthalene	500	U
88-74-4	2-Nitroaniline	500	U
131-11-3	Dimethylphthalate	500	U
208-96-8	Acenaphthylene	500	U
606-20-2	2,6-Dinitrotoluene	500	U
99-09-2	3-Nitroaniline	500	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 38

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: SBLK 38

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1159.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	500	U
51-28-5	2,4-Dinitrophenol	500	U
132-64-9	Dibenzofuran	500	U
100-02-7	4-Nitrophenol	500	U
121-14-2	2,4-Dinitrotoluene	500	U
84-66-2	Diethylphthalate	59	J
86-73-7	Fluorene	500	U
7005-72-3	4-Chlorophenyl-phenylether	500	U
100-01-6	4-Nitroaniline	500	U
534-52-1	4,6-Dinitro-2-methylphenol	500	U
86-30-6	n-Nitrosodiphenylamine	500	U
103-33-3	Azobenzene	500	U
101-55-3	4-Bromophenyl-phenylether	500	U
118-74-1	Hexachlorobenzene	500	U
87-86-5	Pentachlorophenol	500	U
85-01-8	Phenanthrene	500	U
120-12-7	Anthracene	500	U
84-74-2	Di-n-butylphthalate	520	
206-44-0	Fluoranthene	500	U
92-87-5	Benzidine	500	U
129-00-0	Pyrene	500	U
85-68-7	Butylbenzylphthalate	500	U
56-55-3	Benzo[a]anthracene	500	U
91-94-1	3,3'-Dichlorobenzidine	500	U
218-01-9	Chrysene	500	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	
117-84-0	Di-n-octylphthalate	500	U
205-99-2	Benzo[b]fluoranthene	500	U
207-08-9	Benzo[k]fluoranthene	500	U
50-32-8	Benzo[a]pyrene	500	U
193-39-5	Indeno[1,2,3-cd]pyrene	500	U
53-70-3	Dibenz[a,h]anthracene	500	U
191-24-2	Benzo[g,h,i]perylene	500	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

SBLK 38

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL

Lab Sample ID: SBLK 38

Sample wt/vol: 20 (g/ml) G

Lab File ID: BN1159.D

Level: (low/med) LOW

Date Received: 03/11/98

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 2

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis(	19.26	990	JN
2. 000112-92-5	1-Octadecanol	24.71	710	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 39

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 39

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1266.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	500	U
62-75-9	N-nitroso-dimethylamine	500	U
62-53-3	Aniline	500	U
108-95-2	Phenol	500	U
111-44-4	bis(2-Chloroethyl)ether	500	U
95-57-8	2-Chlorophenol	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
100-51-6	Benzyl alcohol	500	U
95-50-1	1,2-Dichlorobenzene	500	U
	2-Methylphenol	500	U
108-60-1	bis(2-chloroisopropyl)ether	500	U
	4-Methylphenol	500	U
621-64-7	n-Nitroso-di-n-propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	500	U
111-91-1	bis(2-Chloroethoxy)methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
65-85-0	Benzoic Acid	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U
91-20-3	Naphthalene	500	U
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-methylphenol	500	U
91-57-6	2-Methylnaphthalene	500	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
	2,4,5-Trichlorophenol	500	U
91-58-7	2-Chloronaphthalene	500	U
88-74-4	2-Nitroaniline	500	U
131-11-3	Dimethylphthalate	500	U
208-96-8	Acenaphthylene	500	U
606-20-2	2,6-Dinitrotoluene	500	U
99-09-2	3-Nitroaniline	500	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 39

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 39

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1266.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	500	U
51-28-5	2,4-Dinitrophenol	500	U
132-64-9	Dibenzofuran	500	U
100-02-7	4-Nitrophenol	500	U
121-14-2	2,4-Dinitrotoluene	500	U
84-66-2	Diethylphthalate	500	U
86-73-7	Fluorene	500	U
7005-72-3	4-Chlorophenyl-phenylether	500	U
100-01-6	4-Nitroaniline	500	U
534-52-1	4,6-Dinitro-2-methylphenol	500	U
86-30-6	n-Nitrosodiphenylamine	500	U
103-33-3	Azobenzene	500	U
101-55-3	4-Bromophenyl-phenylether	500	U
118-74-1	Hexachlorobenzene	500	U
87-86-5	Pentachlorophenol	500	U
85-01-8	Phenanthrene	500	U
120-12-7	Anthracene	500	U
84-74-2	Di-n-butylphthalate	180	J
206-44-0	Fluoranthene	500	U
92-87-5	Benzidine	500	U
129-00-0	Pyrene	500	U
85-68-7	Butylbenzylphthalate	500	U
56-55-3	Benzo[a]anthracene	500	U
91-94-1	3,3'-Dichlorobenzidine	500	U
218-01-9	Chrysene	500	U
117-81-7	bis(2-Ethylhexyl)phthalate	170	J
117-84-0	Di-n-octylphthalate	500	U
205-99-2	Benzo[b]fluoranthene	500	U
207-08-9	Benzo[k]fluoranthene	500	U
50-32-8	Benzo[a]pyrene	500	U
193-39-5	Indeno[1,2,3-cd]pyrene	500	U
53-70-3	Dibenz[a,h]anthracene	500	U
191-24-2	Benzo[g,h,i]perylene	500	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK 39

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 39

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1266.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.29	1100	JN
2. 000109-21-7	Butanoic acid, butyl ester	13.58	1800	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.26	1600	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 40

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 40

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1311.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	500	U
62-75-9	N-nitroso-dimethylamine	500	U
62-53-3	Aniline	500	U
108-95-2	Phenol	500	U
111-44-4	bis(2-Chloroethyl)ether	500	U
95-57-8	2-Chlorophenol	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
100-51-6	Benzyl alcohol	500	U
95-50-1	1,2-Dichlorobenzene	500	U
	2-Methylphenol	500	U
108-60-1	bis(2-chloroisopropyl)ether	500	U
	4-Methylphenol	500	U
621-64-7	n-Nitroso-di-n-propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	500	U
111-91-1	bis(2-Chloroethoxy)methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
65-85-0	Benzoic Acid	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U
91-20-3	Naphthalene	500	U
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-methylphenol	500	U
91-57-6	2-Methylnaphthalene	500	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
	2,4,5-Trichlorophenol	500	U
91-58-7	2-Chloronaphthalene	500	U
88-74-4	2-Nitroaniline	500	U
131-11-3	Dimethylphthalate	500	U
208-96-8	Acenaphthylene	500	U
606-20-2	2,6-Dinitrotoluene	500	U
99-09-2	3-Nitroaniline	500	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 40

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 40

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1311.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	500	U
51-28-5	2,4-Dinitrophenol	500	U
132-64-9	Dibenzofuran	500	U
100-02-7	4-Nitrophenol	500	U
121-14-2	2,4-Dinitrotoluene	500	U
84-66-2	Diethylphthalate	260	J
86-73-7	Fluorene	500	U
7005-72-3	4-Chlorophenyl-phenylether	500	U
100-01-6	4-Nitroaniline	500	U
534-52-1	4,6-Dinitro-2-methylphenol	500	U
86-30-6	n-Nitrosodiphenylamine	500	U
103-33-3	Azobenzene	500	U
101-55-3	4-Bromophenyl-phenylether	500	U
118-74-1	Hexachlorobenzene	500	U
87-86-5	Pentachlorophenol	500	U
85-01-8	Phenanthrene	500	U
120-12-7	Anthracene	500	U
84-74-2	Di-n-butylphthalate	470	J
206-44-0	Fluoranthene	500	U
92-87-5	Benzidine	500	U
129-00-0	Pyrene	500	U
85-68-7	Butylbenzylphthalate	500	U
56-55-3	Benzo[a]anthracene	500	U
91-94-1	3,3'-Dichlorobenzidine	500	U
218-01-9	Chrysene	500	U
117-81-7	bis(2-Ethylhexyl)phthalate	74	J
117-84-0	Di-n-octylphthalate	500	U
205-99-2	Benzo[b]fluoranthene	500	U
207-08-9	Benzo[k]fluoranthene	500	U
50-32-8	Benzo[a]pyrene	500	U
193-39-5	Indeno[1,2,3-cd]pyrene	500	U
53-70-3	Dibenz[a,h]anthracene	500	U
191-24-2	Benzo[g,h,i]perylene	500	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK 40

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 40

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1311.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.28	670	JN
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.27	4100	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 47

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3444 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 47

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1458.D

Level: (low/med) LOW Date Received: 03/30/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	500	U
62-75-9	N-nitroso-dimethylamine	500	U
62-53-3	Aniline	500	U
108-95-2	Phenol	500	U
111-44-4	bis(2-Chloroethyl)ether	500	U
95-57-8	2-Chlorophenol	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
100-51-6	Benzyl alcohol	500	U
95-50-1	1,2-Dichlorobenzene	500	U
	2-Methylphenol	500	U
108-60-1	bis(2-chloroisopropyl)ether	500	U
	4-Methylphenol	500	U
621-64-7	n-Nitroso-di-n-propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	500	U
111-91-1	bis(2-Chloroethoxy)methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
65-85-0	Benzoic Acid	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U
91-20-3	Naphthalene	500	U
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-methylphenol	500	U
91-57-6	2-Methylnaphthalene	500	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
	2,4,5-Trichlorophenol	500	U
91-58-7	2-Chloronaphthalene	500	U
88-74-4	2-Nitroaniline	500	U
131-11-3	Dimethylphthalate	500	U
208-96-8	Acenaphthylene	500	U
606-20-2	2,6-Dinitrotoluene	500	U
99-09-2	3-Nitroaniline	500	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 47

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3444 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 47

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1458.D

Level: (low/med) LOW Date Received: 03/30/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	500	U
51-28-5	2,4-Dinitrophenol	500	U
132-64-9	Dibenzofuran	500	U
100-02-7	4-Nitrophenol	500	U
121-14-2	2,4-Dinitrotoluene	500	U
84-66-2	Diethylphthalate	500	U
86-73-7	Fluorene	500	U
7005-72-3	4-Chlorophenyl-phenylether	500	U
100-01-6	4-Nitroaniline	500	U
534-52-1	4,6-Dinitro-2-methylphenol	500	U
86-30-6	n-Nitrosodiphenylamine	500	U
103-33-3	Azobenzene	500	U
101-55-3	4-Bromophenyl-phenylether	500	U
118-74-1	Hexachlorobenzene	500	U
87-86-5	Pentachlorophenol	500	U
85-01-8	Phenanthrene	500	U
120-12-7	Anthracene	500	U
84-74-2	Di-n-butylphthalate	740	
206-44-0	Fluoranthene	500	U
92-87-5	Benzidine	500	U
129-00-0	Pyrene	500	U
85-68-7	Butylbenzylphthalate	500	U
56-55-3	Benzo[a]anthracene	500	U
91-94-1	3,3'-Dichlorobenzidine	500	U
218-01-9	Chrysene	500	U
117-81-7	bis(2-Ethylhexyl)phthalate	130	J
117-84-0	Di-n-octylphthalate	500	U
205-99-2	Benzo[b]fluoranthene	500	U
207-08-9	Benzo[k]fluoranthene	500	U
50-32-8	Benzo[a]pyrene	500	U
193-39-5	Indeno[1,2,3-cd]pyrene	500	U
53-70-3	Dibenz[a,h]anthracene	500	U
191-24-2	Benzo[g,h,i]perylene	500	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK 47

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3444 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 47

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1458.D

Level: (low/med) LOW Date Received: 03/30/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 03/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	13.21	1000	J
2. 000109-21-7	Butanoic acid, butyl ester	13.50	2500	JN
3.	unknown	17.73	640	J
4.	unknown	17.86	560	J
5. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.20	5300	JN
6. 000000-00-0	10-Methylnonadecane	27.57	470	JN
7. 000630-06-8	Hexatriacontane	28.23	430	JN
8. 007098-22-8	Tetratetracontane	28.87	430	JN

FIELD DUPLICATES

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

FIELD DUP 1

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.29

Sample wt/vol: 20.18 (g/ml) G Lab File ID: BN1184.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 14.73 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	580	U
62-75-9	N-nitroso-dimethylamine	580	U
62-53-3	Aniline	580	U
108-95-2	Phenol	580	U
111-44-4	bis(2-Chloroethyl)ether	580	U
95-57-8	2-Chlorophenol	580	U
541-73-1	1,3-Dichlorobenzene	580	U
106-46-7	1,4-Dichlorobenzene	580	U
100-51-6	Benzyl alcohol	580	U
95-50-1	1,2-Dichlorobenzene	580	U
	2-Methylphenol	580	U
108-60-1	bis(2-chloroisopropyl)ether	580	U
	4-Methylphenol	580	U
621-64-7	n-Nitroso-di-n-propylamine	580	U
67-72-1	Hexachloroethane	580	U
98-95-3	Nitrobenzene	580	U
78-59-1	Isophorone	580	U
88-75-5	2-Nitrophenol	580	U
105-67-9	2,4-Dimethylphenol	580	U
111-91-1	bis(2-Chloroethoxy)methane	580	U
120-83-2	2,4-Dichlorophenol	580	U
65-85-0	Benzoic Acid	580	U
120-82-1	1,2,4-Trichlorobenzene	580	U
91-20-3	Naphthalene	66	J
106-47-8	4-Chloroaniline	580	U
87-68-3	Hexachlorobutadiene	580	U
59-50-7	4-Chloro-3-methylphenol	580	U
91-57-6	2-Methylnaphthalene	84	J
77-47-4	Hexachlorocyclopentadiene	580	U
88-06-2	2,4,6-Trichlorophenol	580	U
	2,4,5-Trichlorophenol	580	U
91-58-7	2-Chloronaphthalene	580	U
88-74-4	2-Nitroaniline	580	U
131-11-3	Dimethylphthalate	580	U
208-96-8	Acenaphthylene	62	J
606-20-2	2,6-Dinitrotoluene	580	U
99-09-2	3-Nitroaniline	580	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

FIELD DUP 1

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.29

Sample wt/vol: 20.18 (g/ml) G Lab File ID: BN1184.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 14.73 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	580	U
51-28-5	2,4-Dinitrophenol	580	U
132-64-9	Dibenzofuran	580	U
100-02-7	4-Nitrophenol	580	U
121-14-2	2,4-Dinitrotoluene	580	U
84-66-2	Diethylphthalate	580	U
86-73-7	Fluorene	580	U
7005-72-3	4-Chlorophenyl-phenylether	580	U
100-01-6	4-Nitroaniline	580	U
534-52-1	4,6-Dinitro-2-methylphenol	580	U
86-30-6	n-Nitrosodiphenylamine	580	U
103-33-3	Azobenzene	580	U
101-55-3	4-Bromophenyl-phenylether	580	U
118-74-1	Hexachlorobenzene	580	U
87-86-5	Pentachlorophenol	580	U
85-01-8	Phenanthrene	160	J
120-12-7	Anthracene	580	U
84-74-2	Di-n-butylphthalate	210	JB
206-44-0	Fluoranthene	210	J
92-87-5	Benzidine	580	U
129-00-0	Pyrene	380	J
85-68-7	Butylbenzylphthalate	580	U
56-55-3	Benzo[a]anthracene	150	J
91-94-1	3,3'-Dichlorobenzidine	580	U
218-01-9	Chrysene	420	J
117-81-7	bis(2-Ethylhexyl)phthalate	200	JB
117-84-0	Di-n-octylphthalate	580	U
205-99-2	Benzo[b]fluoranthene	120	J
207-08-9	Benzo[k]fluoranthene	260	J
50-32-8	Benzo[a]pyrene	580	U
193-39-5	Indeno[1,2,3-cd]pyrene	580	U
53-70-3	Dibenz[a,h]anthracene	580	U
191-24-2	Benzo[g,h,i]perylene	580	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD DUP 1

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.29

Sample wt/vol: 20.18 (g/ml) G Lab File ID: BN1184.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 14.73 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.28	780	JN
2. 000109-21-7	Butanoic acid, butyl ester	13.57	1300	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis(	19.24	570	JN
4. 015965-99-8	Oxirane, [(hexadecyloxy)methyl]-	26.24	920	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

FIELD DUP #2

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.37

Sample wt/vol: 20.21 (g/ml) G Lab File ID: BN1308.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 18.92 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	610	U
62-75-9	N-nitroso-dimethylamine	610	U
62-53-3	Aniline	610	U
108-95-2	Phenol	610	U
111-44-4	bis(2-Chloroethyl)ether	610	U
95-57-8	2-Chlorophenol	610	U
541-73-1	1,3-Dichlorobenzene	610	U
106-46-7	1,4-Dichlorobenzene	610	U
100-51-6	Benzyl alcohol	610	U
95-50-1	1,2-Dichlorobenzene	610	U
	2-Methylphenol	610	U
108-60-1	bis(2-chloroisopropyl)ether	610	U
	4-Methylphenol	610	U
621-64-7	n-Nitroso-di-n-propylamine	610	U
67-72-1	Hexachloroethane	610	U
98-95-3	Nitrobenzene	610	U
78-59-1	Isophorone	610	U
88-75-5	2-Nitrophenol	610	U
105-67-9	2,4-Dimethylphenol	610	U
111-91-1	bis(2-Chloroethoxy)methane	610	U
120-83-2	2,4-Dichlorophenol	610	U
65-85-0	Benzoic Acid	610	U
120-82-1	1,2,4-Trichlorobenzene	610	U
91-20-3	Naphthalene	610	U
106-47-8	4-Chloroaniline	610	U
87-68-3	Hexachlorobutadiene	610	U
59-50-7	4-Chloro-3-methylphenol	610	U
91-57-6	2-Methylnaphthalene	610	U
77-47-4	Hexachlorocyclopentadiene	610	U
88-06-2	2,4,6-Trichlorophenol	610	U
	2,4,5-Trichlorophenol	610	U
91-58-7	2-Chloronaphthalene	610	U
88-74-4	2-Nitroaniline	610	U
131-11-3	Dimethylphthalate	610	U
208-96-8	Acenaphthylene	610	U
606-20-2	2,6-Dinitrotoluene	610	U
99-09-2	3-Nitroaniline	610	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

FIELD DUP 2

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.37

Sample wt/vol: 20.21 (g/ml) G Lab File ID: BN1308.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 18.92 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	610	U
51-28-5	2,4-Dinitrophenol	610	U
132-64-9	Dibenzofuran	610	U
100-02-7	4-Nitrophenol	610	U
121-14-2	2,4-Dinitrotoluene	610	U
84-66-2	Diethylphthalate	610	U
86-73-7	Fluorene	610	U
7005-72-3	4-Chlorophenyl-phenylether	610	U
100-01-6	4-Nitroaniline	610	U
534-52-1	4,6-Dinitro-2-methylphenol	610	U
86-30-6	n-Nitrosodiphenylamine	610	U
103-33-3	Azobenzene	610	U
101-55-3	4-Bromophenyl-phenylether	610	U
118-74-1	Hexachlorobenzene	610	U
87-86-5	Pentachlorophenol	610	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	610	U
84-74-2	Di-n-butylphthalate	210	JB
206-44-0	Fluoranthene	250	J
92-87-5	Benzidine	610	U
129-00-0	Pyrene	210	J
85-68-7	Butylbenzylphthalate	610	U
56-55-3	Benzo[a]anthracene	110	J
91-94-1	3,3'-Dichlorobenzidine	610	U
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)phthalate	200	JB
117-84-0	Di-n-octylphthalate	610	U
205-99-2	Benzo[b]fluoranthene	110	J
207-08-9	Benzo[k]fluoranthene	130	J
50-32-8	Benzo[a]pyrene	140	J
193-39-5	Indeno[1,2,3-cd]pyrene	610	U
53-70-3	Dibenz[a,h]anthracene	610	U
191-24-2	Benzo[g,h,i]perylene	610	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD DUP #2

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.37

Sample wt/vol: 20.21 (g/ml) G Lab File ID: BN1308.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 18.92 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 9 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.90	590	J
2. 000539-90-2	Butanoic acid, 2-methylpropyl est	13.28	1100	JN
3. 000084-74-2	Dibutyl phthalate	19.25	1500	JN
4. 056554-90-6	13-Octadecenal	27.24	1700	JN
5. 006624-79-9	1-Dotriacontanol	27.67	2800	JN
6. 056554-86-0	17-Octadecenal	28.60	760	JN
7. 007098-22-8	Tetratetracontane	28.95	1000	JN
8. 000629-76-5	1-Pentadecanol	29.01	740	JN
9. 000124-25-4	Tetradecanal	29.97	1000	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

FIELD DUP3

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.29

Sample wt/vol: 20.03 (g/ml) G Lab File ID: BN1331.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 15.33 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	590	U
62-75-9	N-nitroso-dimethylamine	590	U
62-53-3	Aniline	590	U
108-95-2	Phenol	590	U
111-44-4	bis(2-Chloroethyl)ether	590	U
95-57-8	2-Chlorophenol	590	U
541-73-1	1,3-Dichlorobenzene	590	U
106-46-7	1,4-Dichlorobenzene	590	U
100-51-6	Benzyl alcohol	590	U
95-50-1	1,2-Dichlorobenzene	590	U
	2-Methylphenol	590	U
108-60-1	bis(2-chloroisopropyl)ether	590	U
	4-Methylphenol	590	U
621-64-7	n-Nitroso-di-n-propylamine	590	U
67-72-1	Hexachloroethane	590	U
98-95-3	Nitrobenzene	590	U
78-59-1	Isophorone	590	U
88-75-5	2-Nitrophenol	590	U
105-67-9	2,4-Dimethylphenol	590	U
111-91-1	bis(2-Chloroethoxy)methane	590	U
120-83-2	2,4-Dichlorophenol	590	U
65-85-0	Benzoic Acid	590	U
120-82-1	1,2,4-Trichlorobenzene	590	U
91-20-3	Naphthalene	590	U
106-47-8	4-Chloroaniline	590	U
87-68-3	Hexachlorobutadiene	590	U
59-50-7	4-Chloro-3-methylphenol	590	U
91-57-6	2-Methylnaphthalene	590	U
77-47-4	Hexachlorocyclopentadiene	590	U
88-06-2	2,4,6-Trichlorophenol	590	U
	2,4,5-Trichlorophenol	590	U
91-58-7	2-Chloronaphthalene	590	U
88-74-4	2-Nitroaniline	590	U
131-11-3	Dimethylphthalate	590	U
208-96-8	Acenaphthylene	590	U
606-20-2	2,6-Dinitrotoluene	590	U
99-09-2	3-Nitroaniline	590	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

FIELD DUP #3

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.29

Sample wt/vol: 20.03 (g/ml) G Lab File ID: BN1331.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 15.33 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	590	U
51-28-5	2,4-Dinitrophenol	590	U
132-64-9	Dibenzofuran	590	U
100-02-7	4-Nitrophenol	590	U
121-14-2	2,4-Dinitrotoluene	590	U
84-66-2	Diethylphthalate	590	U
86-73-7	Fluorene	590	U
7005-72-3	4-Chlorophenyl-phenylether	590	U
100-01-6	4-Nitroaniline	590	U
534-52-1	4,6-Dinitro-2-methylphenol	590	U
86-30-6	n-Nitrosodiphenylamine	590	U
103-33-3	Azobenzene	590	U
101-55-3	4-Bromophenyl-phenylether	590	U
118-74-1	Hexachlorobenzene	590	U
87-86-5	Pentachlorophenol	590	U
85-01-8	Phenanthrene	220	J
120-12-7	Anthracene	590	U
84-74-2	Di-n-butylphthalate	550	JB
206-44-0	Fluoranthene	400	J
92-87-5	Benzidine	590	U
129-00-0	Pyrene	330	J
85-68-7	Butylbenzylphthalate	590	U
56-55-3	Benzo[a]anthracene	180	J
91-94-1	3,3'-Dichlorobenzidine	590	U
218-01-9	Chrysene	340	J
117-81-7	bis(2-Ethylhexyl)phthalate	95	JB
117-84-0	Di-n-octylphthalate	590	U
205-99-2	Benzo[b]fluoranthene	160	J
207-08-9	Benzo[k]fluoranthene	190	J
50-32-8	Benzo[a]pyrene	220	J
193-39-5	Indeno[1,2,3-cd]pyrene	590	U
53-70-3	Dibenz[a,h]anthracene	590	U
191-24-2	Benzo[g,h,i]perylene	160	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD DUP #3

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.29

Sample wt/vol: 20.03 (g/ml) G Lab File ID: BN1331.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 15.33 decanted: (Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.90	810	J
2.	unknown	13.28	1500	J
3. 000109-21-7	Butanoic acid, butyl ester	13.56	3200	JN
4. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.27	4000	JN
5. 000000-00-0	1-Hexacosanal	27.24	1800	JN
6. 007206-19-1	3-Octadecene, (E)-	27.67	2900	JN
7. 000629-80-1	Hexadecanal	28.59	690	JN
8. 000646-31-1	Tetracosane	28.95	1200	JN
9. 019047-85-9	Phosphonic acid, dioctadecyl est	29.02	570	JN
10. 056554-89-3	14-Octadecenal	29.97	900	JN

SAMPLES

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-1

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3396 Project N 980211 SDG No. _____

Matrix: (soil/water) SOIL Lab Sample ID: 3396.01

Sample wt/vol: 20.35 (g/ml) G Lab File ID: BN1142.D

Level: (low/med) LOW Date Received: 03/09/98

% Moisture: 16.49 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
110-86-1	Pyridine	590	U
62-75-9	N-nitroso-dimethylamine	590	U
62-53-3	Aniline	590	U
108-95-2	Phenol	590	U
111-44-4	bis(2-Chloroethyl)ether	590	U
95-57-8	2-Chlorophenol	590	U
541-73-1	1,3-Dichlorobenzene	590	U
106-46-7	1,4-Dichlorobenzene	590	U
100-51-6	Benzyl alcohol	590	U
95-50-1	1,2-Dichlorobenzene	590	U
	2-Methylphenol	590	U
108-60-1	bis(2-chloroisopropyl)ether	590	U
	4-Methylphenol	590	U
621-64-7	n-Nitroso-di-n-propylamine	590	U
67-72-1	Hexachloroethane	590	U
98-95-3	Nitrobenzene	590	U
78-59-1	Isophorone	590	U
88-75-5	2-Nitrophenol	590	U
105-67-9	2,4-Dimethylphenol	590	U
111-91-1	bis(2-Chloroethoxy)methane	590	U
120-83-2	2,4-Dichlorophenol	590	U
65-85-0	Benzoic Acid	590	U
120-82-1	1,2,4-Trichlorobenzene	590	U
91-20-3	Naphthalene	590	U
106-47-8	4-Chloroaniline	590	U
87-68-3	Hexachlorobutadiene	590	U
59-50-7	4-Chloro-3-methylphenol	590	U
91-57-6	2-Methylnaphthalene	590	U
77-47-4	Hexachlorocyclopentadiene	590	U
88-06-2	2,4,6-Trichlorophenol	590	U
	2,4,5-Trichlorophenol	590	U
91-58-7	2-Chloronaphthalene	590	U
88-74-4	2-Nitroaniline	590	U
131-11-3	Dimethylphthalate	590	U
208-96-8	Acenaphthylene	590	U
606-20-2	2,6-Dinitrotoluene	590	U
99-09-2	3-Nitroaniline	590	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-1

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3396 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3396.01

Sample wt/vol: 20.35 (g/ml) G Lab File ID: BN1142.D

Level: (low/med) LOW Date Received: 03/09/98

% Moisture: 16.49 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	590	U
51-28-5	2,4-Dinitrophenol	590	U
132-64-9	Dibenzofuran	590	U
100-02-7	4-Nitrophenol	590	U
121-14-2	2,4-Dinitrotoluene	590	U
84-66-2	Diethylphthalate	590	U
86-73-7	Fluorene	590	U
7005-72-3	4-Chlorophenyl-phenylether	590	U
100-01-6	4-Nitroaniline	590	U
534-52-1	4,6-Dinitro-2-methylphenol	590	U
86-30-6	n-Nitrosodiphenylamine	590	U
103-33-3	Azobenzene	590	U
101-55-3	4-Bromophenyl-phenylether	590	U
118-74-1	Hexachlorobenzene	590	U
87-86-5	Pentachlorophenol	590	U
85-01-8	Phenanthrene	360	J
120-12-7	Anthracene	81	J
84-74-2	Di-n-butylphthalate	240	JB
206-44-0	Fluoranthene	1100	
92-87-5	Benzidine	590	U
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	590	U
56-55-3	Benzo[a]anthracene	860	
91-94-1	3,3'-Dichlorobenzidine	590	U
218-01-9	Chrysene	1400	
117-81-7	bis(2-Ethylhexyl)phthalate	590	U
117-84-0	Di-n-octylphthalate	590	U
205-99-2	Benzo[b]fluoranthene	740	
207-08-9	Benzo[k]fluoranthene	820	
50-32-8	Benzo[a]pyrene	1000	
193-39-5	Indeno[1,2,3-cd]pyrene	520	J
53-70-3	Dibenz[a,h]anthracene	200	J
191-24-2	Benzo[g,h,i]perylene	520	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-1

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3396 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3396.01

Sample wt/vol: 20.35 (g/ml) G Lab File ID: BN1142.D

Level: (low/med) LOW Date Received: 03/09/98

% Moisture: 16.49 decanted: (Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.31	690	JN
2. 000109-21-7	Butanoic acid, butyl ester	13.58	1100	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis(	19.24	530	JN
4. 000238-84-6	11H-Benzo[a]fluorene	22.56	550	JN
5. 000205-99-2	Benz[e]acephenanthrylene	27.47	710	JN
6. 000057-88-5	Cholesterol	29.23	1000	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-2

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3396 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3396.03

Sample wt/vol: 20.08 (g/ml) G Lab File ID: BN1145.D

Level: (low/med) LOW Date Received: 03/09/98

% Moisture: 8.76 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	550	U
62-75-9	N-nitroso-dimethylamine	550	U
62-53-3	Aniline	550	U
108-95-2	Phenol	550	U
111-44-4	bis(2-Chloroethyl)ether	550	U
95-57-8	2-Chlorophenol	550	U
541-73-1	1,3-Dichlorobenzene	550	U
106-46-7	1,4-Dichlorobenzene	550	U
100-51-6	Benzyl alcohol	550	U
95-50-1	1,2-Dichlorobenzene	550	U
	2-Methylphenol	550	U
108-60-1	bis(2-chloroisopropyl)ether	550	U
	4-Methylphenol	550	U
621-64-7	n-Nitroso-di-n-propylamine	550	U
67-72-1	Hexachloroethane	550	U
98-95-3	Nitrobenzene	550	U
78-59-1	Isophorone	550	U
88-75-5	2-Nitrophenol	550	U
105-67-9	2,4-Dimethylphenol	550	U
111-91-1	bis(2-Chloroethoxy)methane	550	U
120-83-2	2,4-Dichlorophenol	550	U
65-85-0	Benzoic Acid	550	U
120-82-1	1,2,4-Trichlorobenzene	550	U
91-20-3	Naphthalene	550	U
106-47-8	4-Chloroaniline	550	U
87-68-3	Hexachlorobutadiene	550	U
59-50-7	4-Chloro-3-methylphenol	550	U
91-57-6	2-Methylnaphthalene	550	U
77-47-4	Hexachlorocyclopentadiene	550	U
88-06-2	2,4,6-Trichlorophenol	550	U
	2,4,5-Trichlorophenol	550	U
91-58-7	2-Chloronaphthalene	550	U
88-74-4	2-Nitroaniline	550	U
131-11-3	Dimethylphthalate	550	U
208-96-8	Acenaphthylene	550	U
606-20-2	2,6-Dinitrotoluene	550	U
99-09-2	3-Nitroaniline	550	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-2

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3396 Project N 980211 SDG No. _____

Matrix (soil/water) SOIL Lab Sample ID: 3396.03

Sample wt/vol: 20.08 (g/ml) G Lab File ID: BN1145.D

Level: (low/med) LOW Date Received: 03/09/98

% Moisture: 8.76 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	550	U
51-28-5	2,4-Dinitrophenol	550	U
132-64-9	Dibenzofuran	550	U
100-02-7	4-Nitrophenol	550	U
121-14-2	2,4-Dinitrotoluene	550	U
84-66-2	Diethylphthalate	59	J
86-73-7	Fluorene	550	U
7005-72-3	4-Chlorophenyl-phenylether	550	U
100-01-6	4-Nitroaniline	550	U
534-52-1	4,6-Dinitro-2-methylphenol	550	U
86-30-6	n-Nitrosodiphenylamine	550	U
103-33-3	Azobenzene	550	U
101-55-3	4-Bromophenyl-phenylether	550	U
118-74-1	Hexachlorobenzene	550	U
87-86-5	Pentachlorophenol	550	U
85-01-8	Phenanthrene	550	U
120-12-7	Anthracene	550	U
84-74-2	Di-n-butylphthalate	900	B
206-44-0	Fluoranthene	550	U
92-87-5	Benzidine	550	U
129-00-0	Pyrene	550	U
85-68-7	Butylbenzylphthalate	550	U
56-55-3	Benzo[a]anthracene	55	J
91-94-1	3,3'-Dichlorobenzidine	550	U
218-01-9	Chrysene	92	J
117-81-7	bis(2-Ethylhexyl)phthalate	64	J
117-84-0	Di-n-octylphthalate	550	U
205-99-2	Benzo[b]fluoranthene	75	J
207-08-9	Benzo[k]fluoranthene	94	J
50-32-8	Benzo[a]pyrene	140	J
193-39-5	Indeno[1,2,3-cd]pyrene	110	J
53-70-3	Dibenz[a,h]anthracene	550	U
191-24-2	Benzo[g,h,i]perylene	96	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-2

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3396 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3396.03

Sample wt/vol: 20.08 (g/ml) G Lab File ID: BN1145.D

Level: (low/med) LOW Date Received: 03/09/98

% Moisture: 8.76 decanted: (Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.31	680	JN
2. 000109-21-7	Butanoic acid, butyl ester	13.59	1100	JN
3. 000084-74-2	Dibutyl phthalate	19.26	2600	JN
4. 001599-67-3	1-Docosene	24.70	2900	JN
5. 002461-18-9	Oxirane, [(dodecyloxy)methyl]-	26.23	960	JN
6. 002765-11-9	Pentadecanal-	27.21	520	JN
7. 000646-31-1	Tetracosane	28.92	480	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-3

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3396 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3396.05

Sample wt/vol: 21.06 (g/ml) G Lab File ID: BN1146.D

Level: (low/med) LOW Date Received: 03/09/98

% Moisture: 12.69 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	540	U
62-75-9	N-nitroso-dimethylamine	540	U
62-53-3	Aniline	540	U
108-95-2	Phenol	540	U
111-44-4	bis(2-Chloroethyl)ether	540	U
95-57-8	2-Chlorophenol	540	U
541-73-1	1,3-Dichlorobenzene	540	U
106-46-7	1,4-Dichlorobenzene	540	U
100-51-6	Benzyl alcohol	540	U
95-50-1	1,2-Dichlorobenzene	540	U
	2-Methylphenol	540	U
108-60-1	bis(2-chloroisopropyl)ether	540	U
	4-Methylphenol	540	U
621-64-7	n-Nitroso-di-n-propylamine	540	U
67-72-1	Hexachloroethane	540	U
98-95-3	Nitrobenzene	540	U
78-59-1	Isophorone	540	U
88-75-5	2-Nitrophenol	540	U
105-67-9	2,4-Dimethylphenol	540	U
111-91-1	bis(2-Chloroethoxy)methane	540	U
120-83-2	2,4-Dichlorophenol	540	U
65-85-0	Benzoic Acid	540	U
120-82-1	1,2,4-Trichlorobenzene	540	U
91-20-3	Naphthalene	540	U
106-47-8	4-Chloroaniline	540	U
87-68-3	Hexachlorobutadiene	540	U
59-50-7	4-Chloro-3-methylphenol	540	U
91-57-6	2-Methylnaphthalene	540	U
77-47-4	Hexachlorocyclopentadiene	540	U
88-06-2	2,4,6-Trichlorophenol	540	U
	2,4,5-Trichlorophenol	540	U
91-58-7	2-Chloronaphthalene	540	U
88-74-4	2-Nitroaniline	540	U
131-11-3	Dimethylphthalate	540	U
208-96-8	Acenaphthylene	540	U
606-20-2	2,6-Dinitrotoluene	540	U
99-09-2	3-Nitroaniline	540	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-3

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3396 Project N 980211 SDG No. _____

Matrix (soil/water) SOIL Lab Sample ID: 3396.05

Sample wt/vol: 21.06 (g/ml) G Lab File ID: BN1146.D

Level: (low/med) LOW Date Received: 03/09/98

% Moisture: 12.69 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	540	U
51-28-5	2,4-Dinitrophenol	540	U
132-64-9	Dibenzofuran	540	U
100-02-7	4-Nitrophenol	540	U
121-14-2	2,4-Dinitrotoluene	540	U
84-66-2	Diethylphthalate	540	U
86-73-7	Fluorene	540	U
7005-72-3	4-Chlorophenyl-phenylether	540	U
100-01-6	4-Nitroaniline	540	U
534-52-1	4,6-Dinitro-2-methylphenol	540	U
86-30-6	n-Nitrosodiphenylamine	540	U
103-33-3	Azobenzene	540	U
101-55-3	4-Bromophenyl-phenylether	540	U
118-74-1	Hexachlorobenzene	540	U
87-86-5	Pentachlorophenol	540	U
85-01-8	Phenanthrene	540	U
120-12-7	Anthracene	540	U
84-74-2	Di-n-butylphthalate	560	B
206-44-0	Fluoranthene	540	U
92-87-5	Benzidine	540	U
129-00-0	Pyrene	540	U
85-68-7	Butylbenzylphthalate	540	U
56-55-3	Benzo[a]anthracene	540	U
91-94-1	3,3'-Dichlorobenzidine	540	U
218-01-9	Chrysene	65	J
117-81-7	bis(2-Ethylhexyl)phthalate	60	J
117-84-0	Di-n-octylphthalate	540	U
205-99-2	Benzo[b]fluoranthene	58	J
207-08-9	Benzo[k]fluoranthene	70	J
50-32-8	Benzo[a]pyrene	76	J
193-39-5	Indeno[1,2,3-cd]pyrene	540	U
53-70-3	Dibenz[a,h]anthracene	540	U
191-24-2	Benzo[g,h,i]perylene	540	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-3

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3396 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3396.05

Sample wt/vol: 21.06 (g/ml) G Lab File ID: BN1146.D

Level: (low/med) LOW Date Received: 03/09/98

% Moisture: 12.69 decanted: (Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 6 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 002765-11-9	Pentadecanal-	27.21	630	JN
2. 000661-19-8	1-Docosanol	28.99	460	JN
3. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.31	680	JN
4. 000109-21-7	Butanoic acid, butyl ester	13.58	990	JN
5. 000084-74-2	Dibutyl phthalate	19.25	1300	JN
6. 002461-18-9	Oxirane, [(dodecyloxy)methyl]-	26.23	570	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-4

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.01

Sample wt/vol: 20.81 (g/ml) G Lab File ID: BN1147.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 10.91 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	540	U
62-75-9	N-nitroso-dimethylamine	540	U
62-53-3	Aniline	540	U
108-95-2	Phenol	540	U
111-44-4	bis(2-Chloroethyl)ether	540	U
95-57-8	2-Chlorophenol	540	U
541-73-1	1,3-Dichlorobenzene	540	U
106-46-7	1,4-Dichlorobenzene	540	U
100-51-6	Benzyl alcohol	540	U
95-50-1	1,2-Dichlorobenzene	540	U
	2-Methylphenol	540	U
108-60-1	bis(2-chloroisopropyl)ether	540	U
	4-Methylphenol	540	U
621-64-7	n-Nitroso-di-n-propylamine	540	U
67-72-1	Hexachloroethane	540	U
98-95-3	Nitrobenzene	540	U
78-59-1	Isophorone	540	U
88-75-5	2-Nitrophenol	540	U
105-67-9	2,4-Dimethylphenol	540	U
111-91-1	bis(2-Chloroethoxy)methane	540	U
120-83-2	2,4-Dichlorophenol	540	U
65-85-0	Benzoic Acid	540	U
120-82-1	1,2,4-Trichlorobenzene	540	U
91-20-3	Naphthalene	540	U
106-47-8	4-Chloroaniline	540	U
87-68-3	Hexachlorobutadiene	540	U
59-50-7	4-Chloro-3-methylphenol	540	U
91-57-6	2-Methylnaphthalene	540	U
77-47-4	Hexachlorocyclopentadiene	540	U
88-06-2	2,4,6-Trichlorophenol	540	U
	2,4,5-Trichlorophenol	540	U
91-58-7	2-Chloronaphthalene	540	U
88-74-4	2-Nitroaniline	540	U
131-11-3	Dimethylphthalate	540	U
208-96-8	Acenaphthylene	540	U
606-20-2	2,6-Dinitrotoluene	540	U
99-09-2	3-Nitroaniline	540	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-4**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.01

Sample wt/vol: 20.81 (g/ml) G Lab File ID: BN1147.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 10.91 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	540	U
51-28-5	2,4-Dinitrophenol	540	U
132-64-9	Dibenzofuran	540	U
100-02-7	4-Nitrophenol	540	U
121-14-2	2,4-Dinitrotoluene	540	U
84-66-2	Diethylphthalate	540	U
86-73-7	Fluorene	540	U
7005-72-3	4-Chlorophenyl-phenylether	540	U
100-01-6	4-Nitroaniline	540	U
534-52-1	4,6-Dinitro-2-methylphenol	540	U
86-30-6	n-Nitrosodiphenylamine	540	U
103-33-3	Azobenzene	540	U
101-55-3	4-Bromophenyl-phenylether	540	U
118-74-1	Hexachlorobenzene	540	U
87-86-5	Pentachlorophenol	540	U
85-01-8	Phenanthrene	540	U
120-12-7	Anthracene	540	U
84-74-2	Di-n-butylphthalate	380	JB
206-44-0	Fluoranthene	540	U
92-87-5	Benzidine	540	U
129-00-0	Pyrene	540	U
85-68-7	Butylbenzylphthalate	540	U
56-55-3	Benzo[a]anthracene	540	U
91-94-1	3,3'-Dichlorobenzidine	540	U
218-01-9	Chrysene	540	U
117-81-7	bis(2-Ethylhexyl)phthalate	61	J
117-84-0	Di-n-octylphthalate	540	U
205-99-2	Benzo[b]fluoranthene	540	U
207-08-9	Benzo[k]fluoranthene	540	U
50-32-8	Benzo[a]pyrene	540	U
193-39-5	Indeno[1,2,3-cd]pyrene	540	U
53-70-3	Dibenz[a,h]anthracene	540	U
191-24-2	Benzo[g,h,i]perylene	540	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-4

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3398.01

Sample wt/vol: 20.81 (g/ml) G Lab File ID: BN1147.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 10.91 decanted: (Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-5**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.03 R

Sample wt/vol: 21.33 (g/ml) G Lab File ID: BN1214.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 12.58 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	540	U
62-75-9	N-nitroso-dimethylamine	540	U
62-53-3	Aniline	540	U
108-95-2	Phenol	540	U
111-44-4	bis(2-Chloroethyl)ether	540	U
95-57-8	2-Chlorophenol	540	U
541-73-1	1,3-Dichlorobenzene	540	U
106-46-7	1,4-Dichlorobenzene	540	U
100-51-6	Benzyl alcohol	540	U
95-50-1	1,2-Dichlorobenzene	540	U
	2-Methylphenol	540	U
108-60-1	bis(2-chloroisopropyl)ether	540	U
	4-Methylphenol	540	U
621-64-7	n-Nitroso-di-n-propylamine	540	U
67-72-1	Hexachloroethane	540	U
98-95-3	Nitrobenzene	540	U
78-59-1	Isophorone	540	U
88-75-5	2-Nitrophenol	540	U
105-67-9	2,4-Dimethylphenol	540	U
111-91-1	bis(2-Chloroethoxy)methane	540	U
120-83-2	2,4-Dichlorophenol	540	U
65-85-0	Benzoic Acid	540	U
120-82-1	1,2,4-Trichlorobenzene	540	U
91-20-3	Naphthalene	540	U
106-47-8	4-Chloroaniline	540	U
87-68-3	Hexachlorobutadiene	540	U
59-50-7	4-Chloro-3-methylphenol	540	U
91-57-6	2-Methylnaphthalene	540	U
77-47-4	Hexachlorocyclopentadiene	540	U
88-06-2	2,4,6-Trichlorophenol	540	U
	2,4,5-Trichlorophenol	540	U
91-58-7	2-Chloronaphthalene	540	U
88-74-4	2-Nitroaniline	540	U
131-11-3	Dimethylphthalate	540	U
208-96-8	Acenaphthylene	540	U
606-20-2	2,6-Dinitrotoluene	540	U
99-09-2	3-Nitroaniline	540	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-5**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.03 R

Sample wt/vol: 21.33 (g/ml) G Lab File ID: BN1214.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 12.58 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	540	U
51-28-5	2,4-Dinitrophenol	540	U
132-64-9	Dibenzofuran	540	U
100-02-7	4-Nitrophenol	540	U
121-14-2	2,4-Dinitrotoluene	540	U
84-66-2	Diethylphthalate	54	J
86-73-7	Fluorene	540	U
7005-72-3	4-Chlorophenyl-phenylether	540	U
100-01-6	4-Nitroaniline	540	U
534-52-1	4,6-Dinitro-2-methylphenol	540	U
86-30-6	n-Nitrosodiphenylamine	540	U
103-33-3	Azobenzene	540	U
101-55-3	4-Bromophenyl-phenylether	540	U
118-74-1	Hexachlorobenzene	540	U
87-86-5	Pentachlorophenol	540	U
85-01-8	Phenanthrene	540	U
120-12-7	Anthracene	540	U
84-74-2	Di-n-butylphthalate	500	JB
206-44-0	Fluoranthene	540	U
92-87-5	Benzidine	540	U
129-00-0	Pyrene	540	U
85-68-7	Butylbenzylphthalate	540	U
56-55-3	Benzo[a]anthracene	540	U
91-94-1	3,3'-Dichlorobenzidine	540	U
218-01-9	Chrysene	58	J
117-81-7	bis(2-Ethylhexyl)phthalate	230	J
117-84-0	Di-n-octylphthalate	540	U
205-99-2	Benzo[b]fluoranthene	540	U
207-08-9	Benzo[k]fluoranthene	540	U
50-32-8	Benzo[a]pyrene	540	U
193-39-5	Indeno[1,2,3-cd]pyrene	540	U
53-70-3	Dibenz[a,h]anthracene	540	U
191-24-2	Benzo[g,h,i]perylene	540	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-5

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.03 R

Sample wt/vol: 21.33 (g/ml) G Lab File ID: BN1214.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 12.58 decanted: (Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.91	470	JN
2. 000539-90-2	Butanoic acid, 2-methylpropyl est	13.28	1400	JN
3. 000109-21-7	Butanoic acid, butyl ester	13.57	2300	JN
4. 000084-69-5	1,2-Benzenedicarboxylic acid, bis(	19.27	4200	JN
5. 006624-79-9	1-Dotriacontanol	26.24	1400	JN
6. 007390-81-0	Oxirane, hexadecyl-	27.23	670	JN
7. 006624-79-9	1-Dotriacontanol	27.66	1300	JN
8. 000112-92-5	1-Octadecanol	29.00	670	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-6

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.05

Sample wt/vol: 21.76 (g/ml) G Lab File ID: BN1149.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 14.31 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	540	U
62-75-9	N-nitroso-dimethylamine	540	U
62-53-3	Aniline	540	U
108-95-2	Phenol	540	U
111-44-4	bis(2-Chloroethyl)ether	540	U
95-57-8	2-Chlorophenol	540	U
541-73-1	1,3-Dichlorobenzene	540	U
106-46-7	1,4-Dichlorobenzene	540	U
100-51-6	Benzyl alcohol	540	U
95-50-1	1,2-Dichlorobenzene	540	U
	2-Methylphenol	540	U
108-60-1	bis(2-chloroisopropyl)ether	540	U
	4-Methylphenol	540	U
621-64-7	n-Nitroso-di-n-propylamine	540	U
67-72-1	Hexachloroethane	540	U
98-95-3	Nitrobenzene	540	U
78-59-1	Isophorone	540	U
88-75-5	2-Nitrophenol	540	U
105-67-9	2,4-Dimethylphenol	540	U
111-91-1	bis(2-Chloroethoxy)methane	540	U
120-83-2	2,4-Dichlorophenol	540	U
65-85-0	Benzoic Acid	540	U
120-82-1	1,2,4-Trichlorobenzene	540	U
91-20-3	Naphthalene	540	U
106-47-8	4-Chloroaniline	540	U
87-68-3	Hexachlorobutadiene	540	U
59-50-7	4-Chloro-3-methylphenol	540	U
91-57-6	2-Methylnaphthalene	540	U
77-47-4	Hexachlorocyclopentadiene	540	U
88-06-2	2,4,6-Trichlorophenol	540	U
	2,4,5-Trichlorophenol	540	U
91-58-7	2-Chloronaphthalene	540	U
88-74-4	2-Nitroaniline	540	U
131-11-3	Dimethylphthalate	540	U
208-96-8	Acenaphthylene	540	U
606-20-2	2,6-Dinitrotoluene	540	U
99-09-2	3-Nitroaniline	540	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-6**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.05

Sample wt/vol: 21.76 (g/ml) G Lab File ID: BN1149.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 14.31 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	540	U
51-28-5	2,4-Dinitrophenol	540	U
132-64-9	Dibenzofuran	540	U
100-02-7	4-Nitrophenol	540	U
121-14-2	2,4-Dinitrotoluene	540	U
84-66-2	Diethylphthalate	540	U
86-73-7	Fluorene	540	U
7005-72-3	4-Chlorophenyl-phenylether	540	U
100-01-6	4-Nitroaniline	540	U
534-52-1	4,6-Dinitro-2-methylphenol	540	U
86-30-6	n-Nitrosodiphenylamine	540	U
103-33-3	Azobenzene	540	U
101-55-3	4-Bromophenyl-phenylether	540	U
118-74-1	Hexachlorobenzene	540	U
87-86-5	Pentachlorophenol	540	U
85-01-8	Phenanthrene	540	U
120-12-7	Anthracene	540	U
84-74-2	Di-n-butylphthalate	220	JB
206-44-0	Fluoranthene	86	J
92-87-5	Benzidine	540	U
129-00-0	Pyrene	90	J
85-68-7	Butylbenzylphthalate	540	U
56-55-3	Benzo[a]anthracene	540	U
91-94-1	3,3'-Dichlorobenzidine	540	U
218-01-9	Chrysene	85	J
117-81-7	bis(2-Ethylhexyl)phthalate	56	J
117-84-0	Di-n-octylphthalate	540	U
205-99-2	Benzo[b]fluoranthene	540	U
207-08-9	Benzo[k]fluoranthene	59	J
50-32-8	Benzo[a]pyrene	540	U
193-39-5	Indeno[1,2,3-cd]pyrene	540	U
53-70-3	Dibenz[a,h]anthracene	540	U
191-24-2	Benzo[g,h,i]perylene	540	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-6

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.05

Sample wt/vol: 21.76 (g/ml) G Lab File ID: BN1149.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 14.31 decanted: (Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.31	570	JN
2. 074367-34-3	Propanoic acid, 2-methyl-, 3-hydr	13.59	840	JN
3. 000084-74-2	Dibutyl phthalate	19.25	530	JN
4. 001599-67-3	1-Docosene	24.70	2000	JN
5. 002461-18-9	Oxirane, [(dodecyloxy)methyl]-	26.23	560	JN
6. 000638-66-4	Octadecanal	27.21	570	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-7

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.07

Sample wt/vol: 20.2 (g/ml) G Lab File ID: BN1150.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 13.1 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	570	U
62-75-9	N-nitroso-dimethylamine	570	U
62-53-3	Aniline	570	U
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
541-73-1	1,3-Dichlorobenzene	570	U
106-46-7	1,4-Dichlorobenzene	570	U
100-51-6	Benzyl alcohol	570	U
95-50-1	1,2-Dichlorobenzene	570	U
	2-Methylphenol	570	U
108-60-1	bis(2-chloroisopropyl)ether	570	U
	4-Methylphenol	570	U
621-64-7	n-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	570	U
91-20-3	Naphthalene	570	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	570	U
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
	2,4,5-Trichlorophenol	570	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	570	U
131-11-3	Dimethylphthalate	570	U
208-96-8	Acenaphthylene	570	U
606-20-2	2,6-Dinitrotoluene	570	U
99-09-2	3-Nitroaniline	570	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-7

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3398.07

Sample wt/vol: 20.2 (g/ml) G Lab File ID: BN1150.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 13.1 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	570	U
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	570	U
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	570	U
84-66-2	Diethylphthalate	570	U
86-73-7	Fluorene	570	U
7005-72-3	4-Chlorophenyl-phenylether	570	U
100-01-6	4-Nitroaniline	570	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	570	U
103-33-3	Azobenzene	570	U
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
87-86-5	Pentachlorophenol	570	U
85-01-8	Phenanthrene	570	U
120-12-7	Anthracene	570	U
84-74-2	Di-n-butylphthalate	530	JB
206-44-0	Fluoranthene	570	U
92-87-5	Benzidine	570	U
129-00-0	Pyrene	570	U
85-68-7	Butylbenzylphthalate	570	U
56-55-3	Benzo[a]anthracene	570	U
91-94-1	3,3'-Dichlorobenzidine	570	U
218-01-9	Chrysene	570	U
117-81-7	bis(2-Ethylhexyl)phthalate	62	J
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo[b]fluoranthene	570	U
207-08-9	Benzo[k]fluoranthene	570	U
50-32-8	Benzo[a]pyrene	570	U
193-39-5	Indeno[1,2,3-cd]pyrene	570	U
53-70-3	Dibenz[a,h]anthracene	570	U
191-24-2	Benzo[g,h,i]perylene	570	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-7

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3398.07

Sample wt/vol: 20.2 (g/ml) G Lab File ID: BN1150.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 13.1 decanted: (Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.31	710	JN
2. 074367-34-3	Propanoic acid, 2-methyl-, 3-hydr	13.59	1100	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis(	19.25	1400	JN
4. 001599-67-3	1-Docosene	24.70	2900	JN
5. 006624-79-9	1-Dotriacontanol	26.23	720	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-8**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3398.09

Sample wt/vol: 20.49 (g/ml) G Lab File ID: BN1151.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 8.5 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	530	U
62-75-9	N-nitroso-dimethylamine	530	U
62-53-3	Aniline	530	U
108-95-2	Phenol	530	U
111-44-4	bis(2-Chloroethyl)ether	530	U
95-57-8	2-Chlorophenol	530	U
541-73-1	1,3-Dichlorobenzene	530	U
106-46-7	1,4-Dichlorobenzene	530	U
100-51-6	Benzyl alcohol	530	U
95-50-1	1,2-Dichlorobenzene	530	U
	2-Methylphenol	530	U
108-60-1	bis(2-chloroisopropyl)ether	530	U
	4-Methylphenol	530	U
621-64-7	n-Nitroso-di-n-propylamine	530	U
67-72-1	Hexachloroethane	530	U
98-95-3	Nitrobenzene	530	U
78-59-1	Isophorone	530	U
88-75-5	2-Nitrophenol	530	U
105-67-9	2,4-Dimethylphenol	530	U
111-91-1	bis(2-Chloroethoxy)methane	530	U
120-83-2	2,4-Dichlorophenol	530	U
65-85-0	Benzoic Acid	530	U
120-82-1	1,2,4-Trichlorobenzene	530	U
91-20-3	Naphthalene	530	U
106-47-8	4-Chloroaniline	530	U
87-68-3	Hexachlorobutadiene	530	U
59-50-7	4-Chloro-3-methylphenol	530	U
91-57-6	2-Methylnaphthalene	530	U
77-47-4	Hexachlorocyclopentadiene	530	U
88-06-2	2,4,6-Trichlorophenol	530	U
	2,4,5-Trichlorophenol	530	U
91-58-7	2-Chloronaphthalene	530	U
88-74-4	2-Nitroaniline	530	U
131-11-3	Dimethylphthalate	530	U
208-96-8	Acenaphthylene	530	U
606-20-2	2,6-Dinitrotoluene	530	U
99-09-2	3-Nitroaniline	530	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-8

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3398.09

Sample wt/vol: 20.49 (g/ml) G Lab File ID: BN1151.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 8.5 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	530	U
51-28-5	2,4-Dinitrophenol	530	U
132-64-9	Dibenzofuran	530	U
100-02-7	4-Nitrophenol	530	U
121-14-2	2,4-Dinitrotoluene	530	U
84-66-2	Diethylphthalate	530	U
86-73-7	Fluorene	530	U
7005-72-3	4-Chlorophenyl-phenylether	530	U
100-01-6	4-Nitroaniline	530	U
534-52-1	4,6-Dinitro-2-methylphenol	530	U
86-30-6	n-Nitrosodiphenylamine	530	U
103-33-3	Azobenzene	530	U
101-55-3	4-Bromophenyl-phenylether	530	U
118-74-1	Hexachlorobenzene	530	U
87-86-5	Pentachlorophenol	530	U
85-01-8	Phenanthrene	530	U
120-12-7	Anthracene	530	U
84-74-2	Di-n-butylphthalate	640	B
206-44-0	Fluoranthene	530	U
92-87-5	Benzidine	530	U
129-00-0	Pyrene	530	U
85-68-7	Butylbenzylphthalate	530	U
56-55-3	Benzo[a]anthracene	530	U
91-94-1	3,3'-Dichlorobenzidine	530	U
218-01-9	Chrysene	530	U
117-81-7	bis(2-Ethylhexyl)phthalate	62	J
117-84-0	Di-n-octylphthalate	530	U
205-99-2	Benzo[b]fluoranthene	530	U
207-08-9	Benzo[k]fluoranthene	530	U
50-32-8	Benzo[a]pyrene	530	U
193-39-5	Indeno[1,2,3-cd]pyrene	530	U
53-70-3	Dibenz[a,h]anthracene	530	U
191-24-2	Benzo[g,h,i]perylene	530	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-8

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3398.09

Sample wt/vol: 20.49 (g/ml) G Lab File ID: BN1151.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 8.5 decanted: (Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.30	560	JN
2. 000109-21-7	Butanoic acid, butyl ester	13.59	860	JN
3. 000084-74-2	Dibutyl phthalate	19.26	1500	JN
4. 001599-67-3	1-Docosene	24.69	2800	JN
5. 002461-18-9	Oxirane, [(dodecyloxy)methyl]-	26.23	570	JN
6. 000000-00-0	1-Hexacosanal	27.21	660	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-9**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.11

Sample wt/vol: 20.32 (g/ml) G Lab File ID: BN1152.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 13.29 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	570	U
62-75-9	N-nitroso-dimethylamine	570	U
62-53-3	Aniline	570	U
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
541-73-1	1,3-Dichlorobenzene	570	U
106-46-7	1,4-Dichlorobenzene	570	U
100-51-6	Benzyl alcohol	570	U
95-50-1	1,2-Dichlorobenzene	570	U
	2-Methylphenol	570	U
108-60-1	bis(2-chloroisopropyl)ether	570	U
	4-Methylphenol	570	U
621-64-7	n-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	570	U
91-20-3	Naphthalene	770	
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	180	J
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
	2,4,5-Trichlorophenol	570	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	570	U
131-11-3	Dimethylphthalate	570	U
208-96-8	Acenaphthylene	570	U
606-20-2	2,6-Dinitrotoluene	570	U
99-09-2	3-Nitroaniline	570	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-9

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3398.11

Sample wt/vol: 20.32 (g/ml) G Lab File ID: BN1152.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 13.29 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1800	
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	540	J
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	570	U
84-66-2	Diethylphthalate	77	J
86-73-7	Fluorene	1000	
7005-72-3	4-Chlorophenyl-phenylether	570	U
100-01-6	4-Nitroaniline	570	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	570	U
103-33-3	Azobenzene	570	U
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
87-86-5	Pentachlorophenol	570	U
85-01-8	Phenanthrene	6300	
120-12-7	Anthracene	1800	
84-74-2	Di-n-butylphthalate	470	JB
206-44-0	Fluoranthene	6600	
92-87-5	Benzidine	570	U
129-00-0	Pyrene	6200	
85-68-7	Butylbenzylphthalate	570	U
56-55-3	Benzo[a]anthracene	3700	
91-94-1	3,3'-Dichlorobenzidine	570	U
218-01-9	Chrysene	4600	
117-81-7	bis(2-Ethylhexyl)phthalate	73	J
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo[b]fluoranthene	4000	
207-08-9	Benzo[k]fluoranthene	2100	
50-32-8	Benzo[a]pyrene	3500	
193-39-5	Indeno[1,2,3-cd]pyrene	1900	
53-70-3	Dibenz[a,h]anthracene	690	
191-24-2	Benzo[g,h,i]perylene	1600	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-9

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3398.11

Sample wt/vol: 20.32 (g/ml) G Lab File ID: BN1152.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 13.29 decanted: (Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 21 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000613-12-7	Anthracene, 2-methyl-	19.60	490	JN
2. 000610-48-0	Anthracene, 1-methyl-	19.66	640	JN
3. 000203-64-5	4H-Cyclopenta[def]phenanthrene	19.83	1100	JN
4. 000243-17-4	11H-Benzo[b]fluorene	22.59	990	JN
5. 000243-17-4	11H-Benzo[b]fluorene	22.73	690	JN
6. 000084-15-1	o-Terphenyl	23.61	460	JN
7.	unknown hydrocarbon	24.09	530	J
8.	unknown hydrocarbon	24.84	460	J
9. 000629-78-7	Heptadecane	26.24	1000	JN
10. 000207-08-9	Benzo[k]fluoranthene	27.17	1500	JN
11. 000638-66-4	Octadecanal	27.22	1300	JN
12.	unknown	27.39	640	J
13. 000192-97-2	Benzo[e]pyrene	27.50	2600	JN
14.	unknown	28.57	990	J
15. 013287-24-6	Nonadecane, 9-methyl-	28.92	840	JN
16. 000629-96-9	1-Eicosanol	29.00	920	JN
17. 000000-00-0	1,12-Benzperylene	29.53	730	JN
18. 000000-00-0	1,2:7,8-Dibenzphenanthrene	29.97	770	JN
19. 074367-34-3	Propanoic acid, 2-methyl-, 3-hydr	13.58	480	JN
20. 000086-74-8	Carbazole	19.03	1200	JN
21. 000084-74-2	Dibutyl phthalate	19.26	960	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-10

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.13 R

Sample wt/vol: 21.03 (g/ml) G Lab File ID: BN1215.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 10.79 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	530	U
62-75-9	N-nitroso-dimethylamine	530	U
62-53-3	Aniline	530	U
108-95-2	Phenol	530	U
111-44-4	bis(2-Chloroethyl)ether	530	U
95-57-8	2-Chlorophenol	530	U
541-73-1	1,3-Dichlorobenzene	530	U
106-46-7	1,4-Dichlorobenzene	530	U
100-51-6	Benzyl alcohol	530	U
95-50-1	1,2-Dichlorobenzene	530	U
	2-Methylphenol	530	U
108-60-1	bis(2-chloroisopropyl)ether	530	U
	4-Methylphenol	530	U
621-64-7	n-Nitroso-di-n-propylamine	530	U
67-72-1	Hexachloroethane	530	U
98-95-3	Nitrobenzene	530	U
78-59-1	Isophorone	530	U
88-75-5	2-Nitrophenol	530	U
105-67-9	2,4-Dimethylphenol	530	U
111-91-1	bis(2-Chloroethoxy)methane	530	U
120-83-2	2,4-Dichlorophenol	530	U
65-85-0	Benzoic Acid	530	U
120-82-1	1,2,4-Trichlorobenzene	530	U
91-20-3	Naphthalene	56	J
106-47-8	4-Chloroaniline	530	U
87-68-3	Hexachlorobutadiene	530	U
59-50-7	4-Chloro-3-methylphenol	530	U
91-57-6	2-Methylnaphthalene	530	U
77-47-4	Hexachlorocyclopentadiene	530	U
88-06-2	2,4,6-Trichlorophenol	530	U
	2,4,5-Trichlorophenol	530	U
91-58-7	2-Chloronaphthalene	530	U
88-74-4	2-Nitroaniline	530	U
131-11-3	Dimethylphthalate	530	U
208-96-8	Acenaphthylene	110	J
606-20-2	2,6-Dinitrotoluene	530	U
99-09-2	3-Nitroaniline	530	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-10

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.13 R

Sample wt/vol: 21.03 (g/ml) G Lab File ID: BN1215.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 10.79 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	530	U
51-28-5	2,4-Dinitrophenol	530	U
132-64-9	Dibenzofuran	530	U
100-02-7	4-Nitrophenol	530	U
121-14-2	2,4-Dinitrotoluene	530	U
84-66-2	Diethylphthalate	110	J
86-73-7	Fluorene	530	U
7005-72-3	4-Chlorophenyl-phenylether	530	U
100-01-6	4-Nitroaniline	530	U
534-52-1	4,6-Dinitro-2-methylphenol	530	U
86-30-6	n-Nitrosodiphenylamine	530	U
103-33-3	Azobenzene	530	U
101-55-3	4-Bromophenyl-phenylether	530	U
118-74-1	Hexachlorobenzene	530	U
87-86-5	Pentachlorophenol	530	U
85-01-8	Phenanthrene	200	J
120-12-7	Anthracene	530	U
84-74-2	Di-n-butylphthalate	690	B
206-44-0	Fluoranthene	300	J
92-87-5	Benzidine	530	U
129-00-0	Pyrene	490	J
85-68-7	Butylbenzylphthalate	530	U
56-55-3	Benzo[a]anthracene	230	J
91-94-1	3,3'-Dichlorobenzidine	530	U
218-01-9	Chrysene	460	J
117-81-7	bis(2-Ethylhexyl)phthalate	74	J
117-84-0	Di-n-octylphthalate	530	U
205-99-2	Benzo[b]fluoranthene	170	J
207-08-9	Benzo[k]fluoranthene	210	J
50-32-8	Benzo[a]pyrene	320	J
193-39-5	Indeno[1,2,3-cd]pyrene	220	J
53-70-3	Dibenz[a,h]anthracene	530	U
191-24-2	Benzo[g,h,i]perylene	530	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-10

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.13 R

Sample wt/vol: 21.03 (g/ml) G Lab File ID: BN1215.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 10.79 decanted: (Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000109-21-7	Butanoic acid, butyl ester	13.56	530	JN
2. 000084-64-0	1,2-Benzenedicarboxylic acid, but	19.25	1200	JN
3. 000072-54-8	1,1-Dichloro-2,2-bis(p-chlorophen	23.07	470	JN
4. 055162-61-3	Tetracontane, 3,5,24-trimethyl-	26.25	1000	JN
5. 000000-00-0	1-Hexacosanal	27.23	1000	JN
6. 000646-31-1	Tetracosane	28.95	440	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-11

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.15 R

Sample wt/vol: 20.72 (g/ml) G Lab File ID: BN1216.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 10.8 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	540	U
62-75-9	N-nitroso-dimethylamine	540	U
62-53-3	Aniline	540	U
108-95-2	Phenol	540	U
111-44-4	bis(2-Chloroethyl)ether	540	U
95-57-8	2-Chlorophenol	540	U
541-73-1	1,3-Dichlorobenzene	540	U
106-46-7	1,4-Dichlorobenzene	540	U
100-51-6	Benzyl alcohol	540	U
95-50-1	1,2-Dichlorobenzene	540	U
	2-Methylphenol	540	U
108-60-1	bis(2-chloroisopropyl)ether	540	U
	4-Methylphenol	540	U
621-64-7	n-Nitroso-di-n-propylamine	540	U
67-72-1	Hexachloroethane	540	U
98-95-3	Nitrobenzene	540	U
78-59-1	Isophorone	540	U
88-75-5	2-Nitrophenol	540	U
105-67-9	2,4-Dimethylphenol	540	U
111-91-1	bis(2-Chloroethoxy)methane	540	U
120-83-2	2,4-Dichlorophenol	540	U
65-85-0	Benzoic Acid	540	U
120-82-1	1,2,4-Trichlorobenzene	540	U
91-20-3	Naphthalene	540	U
106-47-8	4-Chloroaniline	540	U
87-68-3	Hexachlorobutadiene	540	U
59-50-7	4-Chloro-3-methylphenol	540	U
91-57-6	2-Methylnaphthalene	540	U
77-47-4	Hexachlorocyclopentadiene	540	U
88-06-2	2,4,6-Trichlorophenol	540	U
	2,4,5-Trichlorophenol	540	U
91-58-7	2-Chloronaphthalene	540	U
88-74-4	2-Nitroaniline	540	U
131-11-3	Dimethylphthalate	540	U
208-96-8	Acenaphthylene	540	U
606-20-2	2,6-Dinitrotoluene	540	U
99-09-2	3-Nitroaniline	540	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-11

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.15 R

Sample wt/vol: 20.72 (g/ml) G Lab File ID: BN1216.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 10.8 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	540	U
51-28-5	2,4-Dinitrophenol	540	U
132-64-9	Dibenzofuran	540	U
100-02-7	4-Nitrophenol	540	U
121-14-2	2,4-Dinitrotoluene	540	U
84-66-2	Diethylphthalate	60	J
86-73-7	Fluorene	540	U
7005-72-3	4-Chlorophenyl-phenylether	540	U
100-01-6	4-Nitroaniline	540	U
534-52-1	4,6-Dinitro-2-methylphenol	540	U
86-30-6	n-Nitrosodiphenylamine	540	U
103-33-3	Azobenzene	540	U
101-55-3	4-Bromophenyl-phenylether	540	U
118-74-1	Hexachlorobenzene	540	U
87-86-5	Pentachlorophenol	540	U
85-01-8	Phenanthrene	100	J
120-12-7	Anthracene	540	U
84-74-2	Di-n-butylphthalate	280	JB
206-44-0	Fluoranthene	170	J
92-87-5	Benzidine	540	U
129-00-0	Pyrene	180	J
85-68-7	Butylbenzylphthalate	540	U
56-55-3	Benzo[a]anthracene	110	J
91-94-1	3,3'-Dichlorobenzidine	540	U
218-01-9	Chrysene	180	J
117-81-7	bis(2-Ethylhexyl)phthalate	540	U
117-84-0	Di-n-octylphthalate	540	U
205-99-2	Benzo[b]fluoranthene	100	J
207-08-9	Benzo[k]fluoranthene	87	J
50-32-8	Benzo[a]pyrene	150	J
193-39-5	Indeno[1,2,3-cd]pyrene	100	J
53-70-3	Dibenz[a,h]anthracene	540	U
191-24-2	Benzo[g,h,i]perylene	80	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-11

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.15 R

Sample wt/vol: 20.72 (g/ml) G Lab File ID: BN1216.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 10.8 decanted: (Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000109-21-7	Butanoic acid, butyl ester	13.56	610	JN
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis(	19.25	490	JN
3. 002461-18-9	Oxirane, [(dodecyloxy)methyl]-	26.24	800	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-12

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.17

Sample wt/vol: 20.98 (g/ml) G Lab File ID: BN1192.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 15.08 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	560	U
62-75-9	N-nitroso-dimethylamine	560	U
62-53-3	Aniline	560	U
108-95-2	Phenol	560	U
111-44-4	bis(2-Chloroethyl)ether	560	U
95-57-8	2-Chlorophenol	560	U
541-73-1	1,3-Dichlorobenzene	560	U
106-46-7	1,4-Dichlorobenzene	560	U
100-51-6	Benzyl alcohol	560	U
95-50-1	1,2-Dichlorobenzene	560	U
	2-Methylphenol	560	U
108-60-1	bis(2-chloroisopropyl)ether	560	U
	4-Methylphenol	560	U
621-64-7	n-Nitroso-di-n-propylamine	560	U
67-72-1	Hexachloroethane	560	U
98-95-3	Nitrobenzene	560	U
78-59-1	Isophorone	560	U
88-75-5	2-Nitrophenol	560	U
105-67-9	2,4-Dimethylphenol	560	U
111-91-1	bis(2-Chloroethoxy)methane	560	U
120-83-2	2,4-Dichlorophenol	560	U
65-85-0	Benzoic Acid	560	U
120-82-1	1,2,4-Trichlorobenzene	560	U
91-20-3	Naphthalene	560	U
106-47-8	4-Chloroaniline	560	U
87-68-3	Hexachlorobutadiene	560	U
59-50-7	4-Chloro-3-methylphenol	560	U
91-57-6	2-Methylnaphthalene	560	U
77-47-4	Hexachlorocyclopentadiene	560	U
88-06-2	2,4,6-Trichlorophenol	560	U
	2,4,5-Trichlorophenol	560	U
91-58-7	2-Chloronaphthalene	560	U
88-74-4	2-Nitroaniline	560	U
131-11-3	Dimethylphthalate	560	U
208-96-8	Acenaphthylene	560	U
606-20-2	2,6-Dinitrotoluene	560	U
99-09-2	3-Nitroaniline	560	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-12

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3398.17

Sample wt/vol: 20.98 (g/ml) G Lab File ID: BN1192.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 15.08 decanted:(Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	560	U
51-28-5	2,4-Dinitrophenol	560	U
132-64-9	Dibenzofuran	560	U
100-02-7	4-Nitrophenol	560	U
121-14-2	2,4-Dinitrotoluene	560	U
84-66-2	Diethylphthalate	160	J
86-73-7	Fluorene	560	U
7005-72-3	4-Chlorophenyl-phenylether	560	U
100-01-6	4-Nitroaniline	560	U
534-52-1	4,6-Dinitro-2-methylphenol	560	U
86-30-6	n-Nitrosodiphenylamine	560	U
103-33-3	Azobenzene	560	U
101-55-3	4-Bromophenyl-phenylether	560	U
118-74-1	Hexachlorobenzene	560	U
87-86-5	Pentachlorophenol	560	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	560	U
84-74-2	Di-n-butylphthalate	630	B
206-44-0	Fluoranthene	200	J
92-87-5	Benzidine	560	U
129-00-0	Pyrene	320	J
85-68-7	Butylbenzylphthalate	560	U
56-55-3	Benzo[a]anthracene	250	J
91-94-1	3,3'-Dichlorobenzidine	560	U
218-01-9	Chrysene	350	J
117-81-7	bis(2-Ethylhexyl)phthalate	110	J
117-84-0	Di-n-octylphthalate	560	U
205-99-2	Benzo[b]fluoranthene	69	J
207-08-9	Benzo[k]fluoranthene	230	J
50-32-8	Benzo[a]pyrene	560	U
193-39-5	Indeno[1,2,3-cd]pyrene	560	U
53-70-3	Dibenz[a,h]anthracene	560	U
191-24-2	Benzo[g,h,i]perylene	560	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-12

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3398 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3398.17

Sample wt/vol: 20.98 (g/ml) G Lab File ID: BN1192.D

Level: (low/med) LOW Date Received: 03/10/98

% Moisture: 15.08 decanted: (Y/N) N Date Extracted: 03/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000109-21-7	Butanoic acid, butyl ester	13.57	920	JN
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis(	19.25	1200	JN
3. 000630-06-8	Hexatriacontane	26.94	880	JN
4. 006006-01-5	3,7,11-Tridecatrienenitrile, 4,8,12-	27.18	890	JN
5. 007390-81-0	Oxirane, hexadecyl-	27.22	5600	JN
6. 000630-06-8	Hexatriacontane	27.63	2300	JN
7.	unknown hydrocarbon	27.66	3600	J
8. 054833-23-7	Eicosane, 10-methyl-	28.29	650	JN
9. 000629-80-1	Hexadecanal	28.58	1800	JN
10. 000630-06-8	Hexatriacontane	28.93	3100	JN
11. 000120-29-6	Tropine	29.95	1600	JN
12.	unknown hydrocarbon	30.35	1300	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-13

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3399.01

Sample wt/vol: 21.08 (g/ml) G Lab File ID: BN1217.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 15.83 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	560	U
62-75-9	N-nitroso-dimethylamine	560	U
62-53-3	Aniline	560	U
108-95-2	Phenol	560	U
111-44-4	bis(2-Chloroethyl)ether	560	U
95-57-8	2-Chlorophenol	560	U
541-73-1	1,3-Dichlorobenzene	560	U
106-46-7	1,4-Dichlorobenzene	560	U
100-51-6	Benzyl alcohol	560	U
95-50-1	1,2-Dichlorobenzene	560	U
	2-Methylphenol	560	U
108-60-1	bis(2-chloroisopropyl)ether	560	U
	4-Methylphenol	130	J
621-64-7	n-Nitroso-di-n-propylamine	560	U
67-72-1	Hexachloroethane	560	U
98-95-3	Nitrobenzene	560	U
78-59-1	Isophorone	560	U
88-75-5	2-Nitrophenol	560	U
105-67-9	2,4-Dimethylphenol	560	U
111-91-1	bis(2-Chloroethoxy)methane	560	U
120-83-2	2,4-Dichlorophenol	560	U
65-85-0	Benzoic Acid	560	U
120-82-1	1,2,4-Trichlorobenzene	560	U
91-20-3	Naphthalene	120	J
106-47-8	4-Chloroaniline	560	U
87-68-3	Hexachlorobutadiene	560	U
59-50-7	4-Chloro-3-methylphenol	560	U
91-57-6	2-Methylnaphthalene	88	J
77-47-4	Hexachlorocyclopentadiene	560	U
88-06-2	2,4,6-Trichlorophenol	560	U
	2,4,5-Trichlorophenol	560	U
91-58-7	2-Chloronaphthalene	560	U
88-74-4	2-Nitroaniline	560	U
131-11-3	Dimethylphthalate	560	U
208-96-8	Acenaphthylene	560	U
606-20-2	2,6-Dinitrotoluene	560	U
99-09-2	3-Nitroaniline	560	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-13

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.01

Sample wt/vol: 21.08 (g/ml) G Lab File ID: BN1217.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 15.83 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	560	U
51-28-5	2,4-Dinitrophenol	560	U
132-64-9	Dibenzofuran	560	U
100-02-7	4-Nitrophenol	560	U
121-14-2	2,4-Dinitrotoluene	560	U
84-66-2	Diethylphthalate	560	U
86-73-7	Fluorene	560	U
7005-72-3	4-Chlorophenyl-phenylether	560	U
100-01-6	4-Nitroaniline	560	U
534-52-1	4,6-Dinitro-2-methylphenol	560	U
86-30-6	n-Nitrosodiphenylamine	560	U
103-33-3	Azobenzene	560	U
101-55-3	4-Bromophenyl-phenylether	560	U
118-74-1	Hexachlorobenzene	560	U
87-86-5	Pentachlorophenol	560	U
85-01-8	Phenanthrene	250	J
120-12-7	Anthracene	560	U
84-74-2	Di-n-butylphthalate	550	JB
206-44-0	Fluoranthene	460	J
92-87-5	Benzidine	560	U
129-00-0	Pyrene	480	J
85-68-7	Butylbenzylphthalate	560	U
56-55-3	Benzo[a]anthracene	230	J
91-94-1	3,3'-Dichlorobenzidine	560	U
218-01-9	Chrysene	490	J
117-81-7	bis(2-Ethylhexyl)phthalate	130	JB
117-84-0	Di-n-octylphthalate	560	U
205-99-2	Benzo[b]fluoranthene	250	J
207-08-9	Benzo[k]fluoranthene	210	J
50-32-8	Benzo[a]pyrene	210	J
193-39-5	Indeno[1,2,3-cd]pyrene	210	J
53-70-3	Dibenz[a,h]anthracene	560	U
191-24-2	Benzo[g,h,i]perylene	190	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-13

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.01

Sample wt/vol: 21.08 (g/ml) G Lab File ID: BN1217.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 15.83 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 13 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.91	490	JN
2. 000539-90-2	Butanoic acid, 2-methylpropyl est	13.29	1500	JN
3. 000109-21-7	Butanoic acid, butyl ester	13.57	2300	JN
4. 000084-69-5	1,2-Benzenedicarboxylic acid, bis(	19.26	3500	JN
5. 000112-92-5	1-Octadecanol	23.07	520	JN
6. 002461-18-9	Oxirane, [(dodecyloxy)methyl]-	26.25	1800	JN
7. 007390-81-0	Oxirane, hexadecyl-	27.24	4300	JN
8. 006624-79-9	1-Dotriacontanol	27.67	6100	JN
9. 056554-90-6	13-Octadecenal	28.59	1400	JN
10. 000593-49-7	Heptacosane	28.94	2600	JN
11. 019047-85-9	Phosphonic acid, dioctadecyl este	29.01	940	JN
12. 000629-80-1	Hexadecanal	29.97	950	JN
13. 000124-25-4	Tetradecanal	31.77	600	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-14

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.03

Sample wt/vol: 20.38 (g/ml) G Lab File ID: BN1164.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 14.39 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	570	U
62-75-9	N-nitroso-dimethylamine	570	U
62-53-3	Aniline	570	U
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
541-73-1	1,3-Dichlorobenzene	570	U
106-46-7	1,4-Dichlorobenzene	570	U
100-51-6	Benzyl alcohol	570	U
95-50-1	1,2-Dichlorobenzene	570	U
	2-Methylphenol	570	U
108-60-1	bis(2-chloroisopropyl)ether	570	U
	4-Methylphenol	570	U
621-64-7	n-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	570	U
91-20-3	Naphthalene	570	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	570	U
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
	2,4,5-Trichlorophenol	570	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	570	U
131-11-3	Dimethylphthalate	570	U
208-96-8	Acenaphthylene	570	U
606-20-2	2,6-Dinitrotoluene	570	U
99-09-2	3-Nitroaniline	570	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-14

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.03

Sample wt/vol: 20.38 (g/ml) G Lab File ID: BN1164.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 14.39 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	570	U
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	570	U
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	570	U
84-66-2	Diethylphthalate	570	U
86-73-7	Fluorene	570	U
7005-72-3	4-Chlorophenyl-phenylether	570	U
100-01-6	4-Nitroaniline	570	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	570	U
103-33-3	Azobenzene	570	U
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
87-86-5	Pentachlorophenol	570	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	570	U
84-74-2	Di-n-butylphthalate	460	JB
206-44-0	Fluoranthene	210	J
92-87-5	Benzidine	570	U
129-00-0	Pyrene	220	J
85-68-7	Butylbenzylphthalate	570	U
56-55-3	Benzo[a]anthracene	130	J
91-94-1	3,3'-Dichlorobenzidine	570	U
218-01-9	Chrysene	200	J
117-81-7	bis(2-Ethylhexyl)phthalate	98	JB
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo[b]fluoranthene	140	J
207-08-9	Benzo[k]fluoranthene	99	J
50-32-8	Benzo[a]pyrene	120	J
193-39-5	Indeno[1,2,3-cd]pyrene	570	U
53-70-3	Dibenz[a,h]anthracene	570	U
191-24-2	Benzo[g,h,i]perylene	570	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-14

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.03

Sample wt/vol: 20.38 (g/ml) G Lab File ID: BN1164.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 14.39 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000539-90-2	Butanoic acid, 2-methylpropyl est	13.31	680	JN
2. 074367-34-3	Propanoic acid, 2-methyl-, 3-hydr	13.60	1100	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis(	19.26	1500	JN
4. 002461-18-9	Oxirane, [(dodecyloxy)methyl]-	26.24	810	JN
5. 000638-66-4	Octadecanal	27.23	1000	JN
6. 006624-79-9	1-Dotriacontanol	27.66	2300	JN
7. 000630-06-8	Hexatriacontane	28.93	750	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-15

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3399.05

Sample wt/vol: 20.09 (g/ml) G Lab File ID: BN1165.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 12.53 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	570	U
62-75-9	N-nitroso-dimethylamine	570	U
62-53-3	Aniline	570	U
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
541-73-1	1,3-Dichlorobenzene	570	U
106-46-7	1,4-Dichlorobenzene	570	U
100-51-6	Benzyl alcohol	570	U
95-50-1	1,2-Dichlorobenzene	570	U
	2-Methylphenol	570	U
108-60-1	bis(2-chloroisopropyl)ether	570	U
	4-Methylphenol	570	U
621-64-7	n-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	570	U
91-20-3	Naphthalene	570	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	570	U
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
	2,4,5-Trichlorophenol	570	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	570	U
131-11-3	Dimethylphthalate	570	U
208-96-8	Acenaphthylene	570	U
606-20-2	2,6-Dinitrotoluene	570	U
99-09-2	3-Nitroaniline	570	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-15**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3399.05

Sample wt/vol: 20.09 (g/ml) G Lab File ID: BN1165.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 12.53 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	570	U
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	570	U
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	570	U
84-66-2	Diethylphthalate	80	JB
86-73-7	Fluorene	570	U
7005-72-3	4-Chlorophenyl-phenylether	570	U
100-01-6	4-Nitroaniline	570	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	570	U
103-33-3	Azobenzene	570	U
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
87-86-5	Pentachlorophenol	570	U
85-01-8	Phenanthrene	570	U
120-12-7	Anthracene	570	U
84-74-2	Di-n-butylphthalate	560	JB
206-44-0	Fluoranthene	64	J
92-87-5	Benzidine	570	U
129-00-0	Pyrene	75	J
85-68-7	Butylbenzylphthalate	570	U
56-55-3	Benzo[a]anthracene	570	U
91-94-1	3,3'-Dichlorobenzidine	570	U
218-01-9	Chrysene	69	J
117-81-7	bis(2-Ethylhexyl)phthalate	96	JB
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo[b]fluoranthene	570	U
207-08-9	Benzo[k]fluoranthene	570	U
50-32-8	Benzo[a]pyrene	570	U
193-39-5	Indeno[1,2,3-cd]pyrene	570	U
53-70-3	Dibenz[a,h]anthracene	570	U
191-24-2	Benzo[g,h,i]perylene	570	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-15

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3399.05

Sample wt/vol: 20.09 (g/ml) G Lab File ID: BN1165.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 12.53 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000109-21-7	Butanoic acid, butyl ester	13.59	580	JN
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.26	1000	JN
3. 002461-18-9	Oxirane, [(dodecyloxy)methyl]-	26.24	640	JN
4. 025022-25-7	7-Azabicyclo[4.1.0]heptane, 1-m	27.23	490	JN
5. 032281-85-9	Cyclopentane, 2-isopropyl-1,3-di	27.67	660	JN
6. 000646-31-1	Tetracosane	28.93	520	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-16

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.07

Sample wt/vol: 20.23 (g/ml) G Lab File ID: BN1166.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 7.57 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	530	U
62-75-9	N-nitroso-dimethylamine	530	U
62-53-3	Aniline	530	U
108-95-2	Phenol	530	U
111-44-4	bis(2-Chloroethyl)ether	530	U
95-57-8	2-Chlorophenol	530	U
541-73-1	1,3-Dichlorobenzene	530	U
106-46-7	1,4-Dichlorobenzene	530	U
100-51-6	Benzyl alcohol	530	U
95-50-1	1,2-Dichlorobenzene	530	U
	2-Methylphenol	530	U
108-60-1	bis(2-chloroisopropyl)ether	530	U
	4-Methylphenol	530	U
621-64-7	n-Nitroso-di-n-propylamine	530	U
67-72-1	Hexachloroethane	530	U
98-95-3	Nitrobenzene	530	U
78-59-1	Isophorone	530	U
88-75-5	2-Nitrophenol	530	U
105-67-9	2,4-Dimethylphenol	530	U
111-91-1	bis(2-Chloroethoxy)methane	530	U
120-83-2	2,4-Dichlorophenol	530	U
65-85-0	Benzoic Acid	530	U
120-82-1	1,2,4-Trichlorobenzene	530	U
91-20-3	Naphthalene	530	U
106-47-8	4-Chloroaniline	530	U
87-68-3	Hexachlorobutadiene	530	U
59-50-7	4-Chloro-3-methylphenol	530	U
91-57-6	2-Methylnaphthalene	530	U
77-47-4	Hexachlorocyclopentadiene	530	U
88-06-2	2,4,6-Trichlorophenol	530	U
	2,4,5-Trichlorophenol	530	U
91-58-7	2-Chloronaphthalene	530	U
88-74-4	2-Nitroaniline	530	U
131-11-3	Dimethylphthalate	530	U
208-96-8	Acenaphthylene	530	U
606-20-2	2,6-Dinitrotoluene	530	U
99-09-2	3-Nitroaniline	530	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-16**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.07

Sample wt/vol: 20.23 (g/ml) G Lab File ID: BN1166.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 7.57 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
83-32-9	Acenaphthene	530	U
51-28-5	2,4-Dinitrophenol	530	U
132-64-9	Dibenzofuran	530	U
100-02-7	4-Nitrophenol	530	U
121-14-2	2,4-Dinitrotoluene	530	U
84-66-2	Diethylphthalate	530	U
86-73-7	Fluorene	530	U
7005-72-3	4-Chlorophenyl-phenylether	530	U
100-01-6	4-Nitroaniline	530	U
534-52-1	4,6-Dinitro-2-methylphenol	530	U
86-30-6	n-Nitrosodiphenylamine	530	U
103-33-3	Azobenzene	530	U
101-55-3	4-Bromophenyl-phenylether	530	U
118-74-1	Hexachlorobenzene	530	U
87-86-5	Pentachlorophenol	530	U
85-01-8	Phenanthrene	80	J
120-12-7	Anthracene	530	U
84-74-2	Di-n-butylphthalate	220	JB
206-44-0	Fluoranthene	110	J
92-87-5	Benzidine	530	U
129-00-0	Pyrene	180	J
85-68-7	Butylbenzylphthalate	530	U
56-55-3	Benzo[a]anthracene	76	J
91-94-1	3,3'-Dichlorobenzidine	530	U
218-01-9	Chrysene	130	J
117-81-7	bis(2-Ethylhexyl)phthalate	120	JB
117-84-0	Di-n-octylphthalate	530	U
205-99-2	Benzo[b]fluoranthene	530	U
207-08-9	Benzo[k]fluoranthene	66	J
50-32-8	Benzo[a]pyrene	530	U
193-39-5	Indeno[1,2,3-cd]pyrene	530	U
53-70-3	Dibenz[a,h]anthracene	530	U
191-24-2	Benzo[g,h,i]perylene	530	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. **B-16**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.07

Sample wt/vol: 20.23 (g/ml) G Lab File ID: BN1166.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 7.57 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.31	800	JN
2. 000109-21-7	Butanoic acid, butyl ester	13.60	1300	JN
3. 000117-82-8	Bis(2-methoxyethyl) phthalate	19.25	550	JN
4. 006971-40-0	17-Pentatriacontene	26.24	530	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-17

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.09

Sample wt/vol: 21.01 (g/ml) G Lab File ID: BN1179.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 17.28 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	580	U
62-75-9	N-nitroso-dimethylamine	580	U
62-53-3	Aniline	580	U
108-95-2	Phenol	580	U
111-44-4	bis(2-Chloroethyl)ether	580	U
95-57-8	2-Chlorophenol	580	U
541-73-1	1,3-Dichlorobenzene	580	U
106-46-7	1,4-Dichlorobenzene	580	U
100-51-6	Benzyl alcohol	580	U
95-50-1	1,2-Dichlorobenzene	580	U
	2-Methylphenol	580	U
108-60-1	bis(2-chloroisopropyl)ether	580	U
	4-Methylphenol	580	U
621-64-7	n-Nitroso-di-n-propylamine	580	U
67-72-1	Hexachloroethane	580	U
98-95-3	Nitrobenzene	580	U
78-59-1	Isophorone	580	U
88-75-5	2-Nitrophenol	580	U
105-67-9	2,4-Dimethylphenol	580	U
111-91-1	bis(2-Chloroethoxy)methane	580	U
120-83-2	2,4-Dichlorophenol	580	U
65-85-0	Benzoic Acid	580	U
120-82-1	1,2,4-Trichlorobenzene	580	U
91-20-3	Naphthalene	580	U
106-47-8	4-Chloroaniline	580	U
87-68-3	Hexachlorobutadiene	580	U
59-50-7	4-Chloro-3-methylphenol	580	U
91-57-6	2-Methylnaphthalene	580	U
77-47-4	Hexachlorocyclopentadiene	580	U
88-06-2	2,4,6-Trichlorophenol	580	U
	2,4,5-Trichlorophenol	580	U
91-58-7	2-Chloronaphthalene	580	U
88-74-4	2-Nitroaniline	580	U
131-11-3	Dimethylphthalate	580	U
208-96-8	Acenaphthylene	580	U
606-20-2	2,6-Dinitrotoluene	580	U
99-09-2	3-Nitroaniline	580	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-17

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.09

Sample wt/vol: 21.01 (g/ml) G Lab File ID: BN1179.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 17.28 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	580	U
51-28-5	2,4-Dinitrophenol	580	U
132-64-9	Dibenzofuran	580	U
100-02-7	4-Nitrophenol	580	U
121-14-2	2,4-Dinitrotoluene	580	U
84-66-2	Diethylphthalate	580	U
86-73-7	Fluorene	580	U
7005-72-3	4-Chlorophenyl-phenylether	580	U
100-01-6	4-Nitroaniline	580	U
534-52-1	4,6-Dinitro-2-methylphenol	580	U
86-30-6	n-Nitrosodiphenylamine	580	U
103-33-3	Azobenzene	580	U
101-55-3	4-Bromophenyl-phenylether	580	U
118-74-1	Hexachlorobenzene	580	U
87-86-5	Pentachlorophenol	580	U
85-01-8	Phenanthrene	63	J
120-12-7	Anthracene	580	U
84-74-2	Di-n-butylphthalate	200	JB
206-44-0	Fluoranthene	81	J
92-87-5	Benzidine	580	U
129-00-0	Pyrene	140	J
85-68-7	Butylbenzylphthalate	580	U
56-55-3	Benzo[a]anthracene	580	U
91-94-1	3,3'-Dichlorobenzidine	580	U
218-01-9	Chrysene	180	J
117-81-7	bis(2-Ethylhexyl)phthalate	1000	B
117-84-0	Di-n-octylphthalate	580	U
205-99-2	Benzo[b]fluoranthene	580	U
207-08-9	Benzo[k]fluoranthene	110	J
50-32-8	Benzo[a]pyrene	580	U
193-39-5	Indeno[1,2,3-cd]pyrene	580	U
53-70-3	Dibenz[a,h]anthracene	580	U
191-24-2	Benzo[g,h,i]perylene	580	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. **B-17**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.09

Sample wt/vol: 21.01 (g/ml) G Lab File ID: BN1179.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 17.28 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.28	610	JN
2. 000109-21-7	Butanoic acid, butyl ester	13.56	1100	JN
3. 007098-22-8	Tetratetracontane	26.23	1000	JN
4. 000638-66-4	Octadecanal	27.21	1300	JN
5. 006624-79-9	1-Dotriacontanol	27.65	2500	JN
6. 000630-06-8	Hexatriacontane	28.92	1000	JN
7. 007098-22-8	Tetratetracontane	30.33	490	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-18

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.11

Sample wt/vol: 20.73 (g/ml) G Lab File ID: BN1180.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 39.94 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	800	U
62-75-9	N-nitroso-dimethylamine	800	U
62-53-3	Aniline	800	U
108-95-2	Phenol	800	U
111-44-4	bis(2-Chloroethyl)ether	800	U
95-57-8	2-Chlorophenol	800	U
541-73-1	1,3-Dichlorobenzene	800	U
106-46-7	1,4-Dichlorobenzene	800	U
100-51-6	Benzyl alcohol	800	U
95-50-1	1,2-Dichlorobenzene	800	U
	2-Methylphenol	800	U
108-60-1	bis(2-chloroisopropyl)ether	800	U
	4-Methylphenol	800	U
621-64-7	n-Nitroso-di-n-propylamine	800	U
67-72-1	Hexachloroethane	800	U
98-95-3	Nitrobenzene	800	U
78-59-1	Isophorone	800	U
88-75-5	2-Nitrophenol	800	U
105-67-9	2,4-Dimethylphenol	800	U
111-91-1	bis(2-Chloroethoxy)methane	800	U
120-83-2	2,4-Dichlorophenol	800	U
65-85-0	Benzoic Acid	800	U
120-82-1	1,2,4-Trichlorobenzene	800	U
91-20-3	Naphthalene	200	J
106-47-8	4-Chloroaniline	800	U
87-68-3	Hexachlorobutadiene	800	U
59-50-7	4-Chloro-3-methylphenol	800	U
91-57-6	2-Methylnaphthalene	170	J
77-47-4	Hexachlorocyclopentadiene	800	U
88-06-2	2,4,6-Trichlorophenol	800	U
	2,4,5-Trichlorophenol	800	U
91-58-7	2-Chloronaphthalene	800	U
88-74-4	2-Nitroaniline	800	U
131-11-3	Dimethylphthalate	800	U
208-96-8	Acenaphthylene	800	U
606-20-2	2,6-Dinitrotoluene	800	U
99-09-2	3-Nitroaniline	800	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-18

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.11

Sample wt/vol: 20.73 (g/ml) G Lab File ID: BN1180.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 39.94 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	800	U
51-28-5	2,4-Dinitrophenol	800	U
132-64-9	Dibenzofuran	800	U
100-02-7	4-Nitrophenol	800	U
121-14-2	2,4-Dinitrotoluene	800	U
84-66-2	Diethylphthalate	800	U
86-73-7	Fluorene	800	U
7005-72-3	4-Chlorophenyl-phenylether	800	U
100-01-6	4-Nitroaniline	800	U
534-52-1	4,6-Dinitro-2-methylphenol	800	U
86-30-6	n-Nitrosodiphenylamine	800	U
103-33-3	Azobenzene	800	U
101-55-3	4-Bromophenyl-phenylether	800	U
118-74-1	Hexachlorobenzene	800	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	180	J
120-12-7	Anthracene	800	U
84-74-2	Di-n-butylphthalate	660	JB
206-44-0	Fluoranthene	220	J
92-87-5	Benzidine	800	U
129-00-0	Pyrene	420	J
85-68-7	Butylbenzylphthalate	800	U
56-55-3	Benzo[a]anthracene	800	U
91-94-1	3,3'-Dichlorobenzidine	800	U
218-01-9	Chrysene	800	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	JB
117-84-0	Di-n-octylphthalate	800	U
205-99-2	Benzo[b]fluoranthene	800	U
207-08-9	Benzo[k]fluoranthene	800	U
50-32-8	Benzo[a]pyrene	800	U
193-39-5	Indeno[1,2,3-cd]pyrene	800	U
53-70-3	Dibenz[a,h]anthracene	800	U
191-24-2	Benzo[g,h,i]perylene	800	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-18

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.11

Sample wt/vol: 20.73 (g/ml) G Lab File ID: BN1180.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 39.94 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis(	19.24	1600	JN
2. 019047-85-9	Phosphonic acid, dioctadecyl este	24.72	3200	JN
3. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.28	790	JN
4. 074367-34-3	Propanoic acid, 2-methyl-, 3-hydr	13.57	1200	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-19

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.13

Sample wt/vol: 20.52 (g/ml) G Lab File ID: BN1181.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 11.6 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	550	U
62-75-9	N-nitroso-dimethylamine	550	U
62-53-3	Aniline	550	U
108-95-2	Phenol	550	U
111-44-4	bis(2-Chloroethyl)ether	550	U
95-57-8	2-Chlorophenol	550	U
541-73-1	1,3-Dichlorobenzene	550	U
106-46-7	1,4-Dichlorobenzene	550	U
100-51-6	Benzyl alcohol	550	U
95-50-1	1,2-Dichlorobenzene	550	U
	2-Methylphenol	550	U
108-60-1	bis(2-chloroisopropyl)ether	550	U
	4-Methylphenol	550	U
621-64-7	n-Nitroso-di-n-propylamine	550	U
67-72-1	Hexachloroethane	550	U
98-95-3	Nitrobenzene	550	U
78-59-1	Isophorone	550	U
88-75-5	2-Nitrophenol	550	U
105-67-9	2,4-Dimethylphenol	550	U
111-91-1	bis(2-Chloroethoxy)methane	550	U
120-83-2	2,4-Dichlorophenol	550	U
65-85-0	Benzoic Acid	550	U
120-82-1	1,2,4-Trichlorobenzene	550	U
91-20-3	Naphthalene	470	J
106-47-8	4-Chloroaniline	550	U
87-68-3	Hexachlorobutadiene	550	U
59-50-7	4-Chloro-3-methylphenol	550	U
91-57-6	2-Methylnaphthalene	420	J
77-47-4	Hexachlorocyclopentadiene	550	U
88-06-2	2,4,6-Trichlorophenol	550	U
	2,4,5-Trichlorophenol	550	U
91-58-7	2-Chloronaphthalene	550	U
88-74-4	2-Nitroaniline	550	U
131-11-3	Dimethylphthalate	550	U
208-96-8	Acenaphthylene	550	U
606-20-2	2,6-Dinitrotoluene	550	U
99-09-2	3-Nitroaniline	550	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-19

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.13

Sample wt/vol: 20.52 (g/ml) G Lab File ID: BN1181.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 11.6 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	550	U
51-28-5	2,4-Dinitrophenol	550	U
132-64-9	Dibenzofuran	130	J
100-02-7	4-Nitrophenol	550	U
121-14-2	2,4-Dinitrotoluene	550	U
84-66-2	Diethylphthalate	550	U
86-73-7	Fluorene	550	U
7005-72-3	4-Chlorophenyl-phenylether	550	U
100-01-6	4-Nitroaniline	550	U
534-52-1	4,6-Dinitro-2-methylphenol	550	U
86-30-6	n-Nitrosodiphenylamine	550	U
103-33-3	Azobenzene	550	U
101-55-3	4-Bromophenyl-phenylether	550	U
118-74-1	Hexachlorobenzene	550	U
87-86-5	Pentachlorophenol	550	U
85-01-8	Phenanthrene	800	
120-12-7	Anthracene	120	J
84-74-2	Di-n-butylphthalate	200	JB
206-44-0	Fluoranthene	870	
92-87-5	Benzidine	550	U
129-00-0	Pyrene	1200	
85-68-7	Butylbenzylphthalate	550	U
56-55-3	Benzo[a]anthracene	360	J
91-94-1	3,3'-Dichlorobenzidine	550	U
218-01-9	Chrysene	1200	
117-81-7	bis(2-Ethylhexyl)phthalate	120	JB
117-84-0	Di-n-octylphthalate	550	U
205-99-2	Benzo[b]fluoranthene	420	J
207-08-9	Benzo[k]fluoranthene	670	
50-32-8	Benzo[a]pyrene	660	
193-39-5	Indeno[1,2,3-cd]pyrene	550	U
53-70-3	Dibenz[a,h]anthracene	550	U
191-24-2	Benzo[g,h,i]perylene	550	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. **B-19**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3399.13

Sample wt/vol: 20.52 (g/ml) G Lab File ID: BN1181.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 11.6 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000108-38-3	Benzene, 1,3-dimethyl-	5.85	450	JN
2. 000095-36-3	1,2,4-Trimethylbenzene	7.75	620	JN
3. 000091-57-6	Naphthalene, 2-methyl-	12.76	510	JN
4. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.29	610	JN
5. 000109-21-7	Butanoic acid, butyl ester	13.57	980	JN
6. 002131-42-2	Naphthalene, 1,4,6-trimethyl-	16.28	480	JN
7. 074645-98-0	Dodecane, 2,7,10-trimethyl-	17.47	820	JN
8. 000089-18-9	1,2-Benzenedicarboxylic acid, but	19.24	700	JN
9. 000646-31-1	Tetracosane	23.13	540	JN
10. 000544-85-4	Dotriacontane	26.23	1500	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-20**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.15 DR

Sample wt/vol: 20.51 (g/ml) G Lab File ID: BN1219.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 11.54 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	280000	U
62-75-9	N-nitroso-dimethylamine	280000	U
62-53-3	Aniline	280000	U
108-95-2	Phenol	280000	U
111-44-4	bis(2-Chloroethyl)ether	280000	U
95-57-8	2-Chlorophenol	280000	U
541-73-1	1,3-Dichlorobenzene	280000	U
106-46-7	1,4-Dichlorobenzene	280000	U
100-51-6	Benzyl alcohol	280000	U
95-50-1	1,2-Dichlorobenzene	280000	U
	2-Methylphenol	280000	U
108-60-1	bis(2-chloroisopropyl)ether	280000	U
	4-Methylphenol	280000	U
621-64-7	n-Nitroso-di-n-propylamine	280000	U
67-72-1	Hexachloroethane	280000	U
98-95-3	Nitrobenzene	280000	U
78-59-1	Isophorone	280000	U
88-75-5	2-Nitrophenol	280000	U
105-67-9	2,4-Dimethylphenol	280000	U
111-91-1	bis(2-Chloroethoxy)methane	280000	U
120-83-2	2,4-Dichlorophenol	280000	U
65-85-0	Benzoic Acid	280000	U
120-82-1	1,2,4-Trichlorobenzene	280000	U
91-20-3	Naphthalene	280000	U
106-47-8	4-Chloroaniline	280000	U
87-68-3	Hexachlorobutadiene	280000	U
59-50-7	4-Chloro-3-methylphenol	280000	U
91-57-6	2-Methylnaphthalene	280000	U
77-47-4	Hexachlorocyclopentadiene	280000	U
88-06-2	2,4,6-Trichlorophenol	280000	U
	2,4,5-Trichlorophenol	280000	U
91-58-7	2-Chloronaphthalene	280000	U
88-74-4	2-Nitroaniline	280000	U
131-11-3	Dimethylphthalate	280000	U
208-96-8	Acenaphthylene	280000	U
606-20-2	2,6-Dinitrotoluene	280000	U
99-09-2	3-Nitroaniline	280000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-20**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.15 DR

Sample wt/vol: 20.51 (g/ml) G Lab File ID: BN1219.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 11.54 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	280000	U
51-28-5	2,4-Dinitrophenol	280000	U
132-64-9	Dibenzofuran	280000	U
100-02-7	4-Nitrophenol	280000	U
121-14-2	2,4-Dinitrotoluene	280000	U
84-66-2	Diethylphthalate	280000	U
86-73-7	Fluorene	280000	U
7005-72-3	4-Chlorophenyl-phenylether	280000	U
100-01-6	4-Nitroaniline	280000	U
534-52-1	4,6-Dinitro-2-methylphenol	280000	U
86-30-6	n-Nitrosodiphenylamine	280000	U
103-33-3	Azobenzene	280000	U
101-55-3	4-Bromophenyl-phenylether	280000	U
118-74-1	Hexachlorobenzene	280000	U
87-86-5	Pentachlorophenol	280000	U
85-01-8	Phenanthrene	280000	U
120-12-7	Anthracene	280000	U
84-74-2	Di-n-butylphthalate	280000	U
206-44-0	Fluoranthene	280000	U
92-87-5	Benzidine	280000	U
129-00-0	Pyrene	280000	U
85-68-7	Butylbenzylphthalate	280000	U
56-55-3	Benzo[a]anthracene	280000	U
91-94-1	3,3'-Dichlorobenzidine	280000	U
218-01-9	Chrysene	280000	U
117-81-7	bis(2-Ethylhexyl)phthalate	10537588	EBD
117-84-0	Di-n-octylphthalate	280000	U
205-99-2	Benzo[b]fluoranthene	280000	U
207-08-9	Benzo[k]fluoranthene	280000	U
50-32-8	Benzo[a]pyrene	280000	U
193-39-5	Indeno[1,2,3-cd]pyrene	280000	U
53-70-3	Dibenz[a,h]anthracene	280000	U
191-24-2	Benzo[g,h,i]perylene	280000	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. **B-20**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.15 DR

Sample wt/vol: 20.51 (g/ml) G Lab File ID: BN1219.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 11.54 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-21**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.17

Sample wt/vol: 19.88 (g/ml) G Lab File ID: BN1220.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 8.98 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	550	U
62-75-9	N-nitroso-dimethylamine	550	U
62-53-3	Aniline	550	U
108-95-2	Phenol	550	U
111-44-4	bis(2-Chloroethyl)ether	550	U
95-57-8	2-Chlorophenol	550	U
541-73-1	1,3-Dichlorobenzene	550	U
106-46-7	1,4-Dichlorobenzene	550	U
100-51-6	Benzyl alcohol	550	U
95-50-1	1,2-Dichlorobenzene	550	U
	2-Methylphenol	550	U
108-60-1	bis(2-chloroisopropyl)ether	550	U
	4-Methylphenol	550	U
621-64-7	n-Nitroso-di-n-propylamine	550	U
67-72-1	Hexachloroethane	550	U
98-95-3	Nitrobenzene	550	U
78-59-1	Isophorone	550	U
88-75-5	2-Nitrophenol	550	U
105-67-9	2,4-Dimethylphenol	550	U
111-91-1	bis(2-Chloroethoxy)methane	550	U
120-83-2	2,4-Dichlorophenol	550	U
65-85-0	Benzoic Acid	550	U
120-82-1	1,2,4-Trichlorobenzene	550	U
91-20-3	Naphthalene	550	U
106-47-8	4-Chloroaniline	550	U
87-68-3	Hexachlorobutadiene	550	U
59-50-7	4-Chloro-3-methylphenol	550	U
91-57-6	2-Methylnaphthalene	550	U
77-47-4	Hexachlorocyclopentadiene	550	U
88-06-2	2,4,6-Trichlorophenol	550	U
	2,4,5-Trichlorophenol	550	U
91-58-7	2-Chloronaphthalene	550	U
88-74-4	2-Nitroaniline	550	U
131-11-3	Dimethylphthalate	550	U
208-96-8	Acenaphthylene	550	U
606-20-2	2,6-Dinitrotoluene	550	U
99-09-2	3-Nitroaniline	550	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-21**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3399.17

Sample wt/vol: 19.88 (g/ml) G Lab File ID: BN1220.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 8.98 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	550	U
51-28-5	2,4-Dinitrophenol	550	U
132-64-9	Dibenzofuran	550	U
100-02-7	4-Nitrophenol	550	U
121-14-2	2,4-Dinitrotoluene	550	U
84-66-2	Diethylphthalate	210	JB
86-73-7	Fluorene	550	U
7005-72-3	4-Chlorophenyl-phenylether	550	U
100-01-6	4-Nitroaniline	550	U
534-52-1	4,6-Dinitro-2-methylphenol	550	U
86-30-6	n-Nitrosodiphenylamine	550	U
103-33-3	Azobenzene	550	U
101-55-3	4-Bromophenyl-phenylether	550	U
118-74-1	Hexachlorobenzene	550	U
87-86-5	Pentachlorophenol	550	U
85-01-8	Phenanthrene	180	J
120-12-7	Anthracene	550	U
84-74-2	Di-n-butylphthalate	810	B
206-44-0	Fluoranthene	260	J
92-87-5	Benzidine	550	U
129-00-0	Pyrene	340	J
85-68-7	Butylbenzylphthalate	550	U
56-55-3	Benzo[a]anthracene	160	J
91-94-1	3,3'-Dichlorobenzidine	550	U
218-01-9	Chrysene	360	J
117-81-7	bis(2-Ethylhexyl)phthalate	110	JB
117-84-0	Di-n-octylphthalate	550	U
205-99-2	Benzo[b]fluoranthene	160	J
207-08-9	Benzo[k]fluoranthene	160	J
50-32-8	Benzo[a]pyrene	250	J
193-39-5	Indeno[1,2,3-cd]pyrene	170	J
53-70-3	Dibenz[a,h]anthracene	550	U
191-24-2	Benzo[g,h,i]perylene	150	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. **B-21**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.17

Sample wt/vol: 19.88 (g/ml) G Lab File ID: BN1220.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 8.98 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.91	490	J
2. 000539-90-2	Butanoic acid, 2-methylpropyl est	13.29	930	JN
3. 000109-21-7	Butanoic acid, butyl ester	13.57	1600	JN
4. 000084-69-5	1,2-Benzenedicarboxylic acid, bis(	19.28	5600	JN
5. 002461-18-9	Oxirane, [(dodecyloxy)methyl]-	26.25	930	JN
6. 000638-66-4	Octadecanal	27.24	1300	JN
7. 007098-22-8	Tetratetracontane	28.94	710	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-22

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.19

Sample wt/vol: 20.52 (g/ml) G Lab File ID: BN1222.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 14.41 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	570	U
62-75-9	N-nitroso-dimethylamine	570	U
62-53-3	Aniline	570	U
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
541-73-1	1,3-Dichlorobenzene	570	U
106-46-7	1,4-Dichlorobenzene	570	U
100-51-6	Benzyl alcohol	570	U
95-50-1	1,2-Dichlorobenzene	570	U
	2-Methylphenol	570	U
108-60-1	bis(2-chloroisopropyl)ether	570	U
	4-Methylphenol	570	U
621-64-7	n-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	570	U
91-20-3	Naphthalene	570	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	570	U
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
	2,4,5-Trichlorophenol	570	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	570	U
131-11-3	Dimethylphthalate	570	U
208-96-8	Acenaphthylene	570	U
606-20-2	2,6-Dinitrotoluene	570	U
99-09-2	3-Nitroaniline	570	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-22

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.19

Sample wt/vol: 20.52 (g/ml) G Lab File ID: BN1222.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 14.41 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	570	U
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	570	U
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	570	U
84-66-2	Diethylphthalate	570	U
86-73-7	Fluorene	570	U
7005-72-3	4-Chlorophenyl-phenylether	570	U
100-01-6	4-Nitroaniline	570	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	570	U
103-33-3	Azobenzene	570	U
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
87-86-5	Pentachlorophenol	570	U
85-01-8	Phenanthrene	200	J
120-12-7	Anthracene	570	U
84-74-2	Di-n-butylphthalate	280	JB
206-44-0	Fluoranthene	500	J
92-87-5	Benzidine	570	U
129-00-0	Pyrene	570	
85-68-7	Butylbenzylphthalate	570	U
56-55-3	Benzo[a]anthracene	300	J
91-94-1	3,3'-Dichlorobenzidine	570	U
218-01-9	Chrysene	580	
117-81-7	bis(2-Ethylhexyl)phthalate	150	JB
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo[b]fluoranthene	300	J
207-08-9	Benzo[k]fluoranthene	230	J
50-32-8	Benzo[a]pyrene	390	J
193-39-5	Indeno[1,2,3-cd]pyrene	570	U
53-70-3	Dibenz[a,h]anthracene	570	U
191-24-2	Benzo[g,h,i]perylene	570	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. **B-22**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.19

Sample wt/vol: 20.52 (g/ml) G Lab File ID: BN1222.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 14.41 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.92	520	JN
2. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.29	1700	JN
3. 074367-34-3	Propanoic acid, 2-methyl-, 3-hydr	13.58	2600	JN
4. 000084-69-5	1,2-Benzenedicarboxylic acid, bis(	19.26	2500	JN
5. 006971-40-0	17-Pentatriacontene	26.25	990	JN
6. 000629-80-1	Hexadecanal	27.23	620	JN
7. 001454-84-8	1-Nonadecanol	29.01	480	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-23

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3399.21

Sample wt/vol: 20.54 (g/ml) G Lab File ID: BN1200.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 13.23 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	560	U
62-75-9	N-nitroso-dimethylamine	560	U
62-53-3	Aniline	560	U
108-95-2	Phenol	560	U
111-44-4	bis(2-Chloroethyl)ether	560	U
95-57-8	2-Chlorophenol	560	U
541-73-1	1,3-Dichlorobenzene	560	U
106-46-7	1,4-Dichlorobenzene	560	U
100-51-6	Benzyl alcohol	560	U
95-50-1	1,2-Dichlorobenzene	560	U
	2-Methylphenol	560	U
108-60-1	bis(2-chloroisopropyl)ether	560	U
	4-Methylphenol	560	U
621-64-7	n-Nitroso-di-n-propylamine	560	U
67-72-1	Hexachloroethane	560	U
98-95-3	Nitrobenzene	560	U
78-59-1	Isophorone	560	U
88-75-5	2-Nitrophenol	560	U
105-67-9	2,4-Dimethylphenol	560	U
111-91-1	bis(2-Chloroethoxy)methane	560	U
120-83-2	2,4-Dichlorophenol	560	U
65-85-0	Benzoic Acid	560	U
120-82-1	1,2,4-Trichlorobenzene	560	U
91-20-3	Naphthalene	560	U
106-47-8	4-Chloroaniline	560	U
87-68-3	Hexachlorobutadiene	560	U
59-50-7	4-Chloro-3-methylphenol	560	U
91-57-6	2-Methylnaphthalene	560	U
77-47-4	Hexachlorocyclopentadiene	560	U
88-06-2	2,4,6-Trichlorophenol	560	U
	2,4,5-Trichlorophenol	560	U
91-58-7	2-Chloronaphthalene	560	U
88-74-4	2-Nitroaniline	560	U
131-11-3	Dimethylphthalate	560	U
208-96-8	Acenaphthylene	560	U
606-20-2	2,6-Dinitrotoluene	560	U
99-09-2	3-Nitroaniline	560	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-23

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3399.21

Sample wt/vol: 20.54 (g/ml) G Lab File ID: BN1200.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 13.23 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	560	U
51-28-5	2,4-Dinitrophenol	560	U
132-64-9	Dibenzofuran	560	U
100-02-7	4-Nitrophenol	560	U
121-14-2	2,4-Dinitrotoluene	560	U
84-66-2	Diethylphthalate	61	JB
86-73-7	Fluorene	560	U
7005-72-3	4-Chlorophenyl-phenylether	560	U
100-01-6	4-Nitroaniline	560	U
534-52-1	4,6-Dinitro-2-methylphenol	560	U
86-30-6	n-Nitrosodiphenylamine	560	U
103-33-3	Azobenzene	560	U
101-55-3	4-Bromophenyl-phenylether	560	U
118-74-1	Hexachlorobenzene	560	U
87-86-5	Pentachlorophenol	560	U
85-01-8	Phenanthrene	110	J
120-12-7	Anthracene	560	U
84-74-2	Di-n-butylphthalate	610	B
206-44-0	Fluoranthene	150	J
92-87-5	Benzidine	560	U
129-00-0	Pyrene	260	J
85-68-7	Butylbenzylphthalate	560	U
56-55-3	Benzo[a]anthracene	110	J
91-94-1	3,3'-Dichlorobenzidine	560	U
218-01-9	Chrysene	210	J
117-81-7	bis(2-Ethylhexyl)phthalate	180	JB
117-84-0	Di-n-octylphthalate	560	U
205-99-2	Benzo[b]fluoranthene	91	J
207-08-9	Benzo[k]fluoranthene	160	J
50-32-8	Benzo[a]pyrene	560	U
193-39-5	Indeno[1,2,3-cd]pyrene	560	U
53-70-3	Dibenz[a,h]anthracene	560	U
191-24-2	Benzo[g,h,i]perylene	560	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. B-23

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.21

Sample wt/vol: 20.54 (g/ml) G Lab File ID: BN1200.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 13.23 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.91	500	JN
2. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.28	1000	JN
3. 000109-21-7	Butanoic acid, butyl ester	13.57	1500	JN
4. 000084-69-5	1,2-Benzenedicarboxylic acid, bis(	19.27	4900	JN
5. 015965-99-8	Oxirane, [(hexadecyloxy)methyl]-	26.23	1600	JN
6. 000638-66-4	Octadecanal	27.22	2500	JN
7. 006971-40-0	17-Pentatriacontene	27.65	3800	JN
8. 002765-11-9	Pentadecanal-	28.58	580	JN
9. 000646-31-1	Tetracosane	28.93	990	JN
10. 000629-96-9	1-Eicosanol	28.99	560	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-24

Lab Name: FMETL Location: M-4

Cert. No.: 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.23

Sample wt/vol: 21.39 (g/ml) G Lab File ID: BN1201.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 15.08 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	550	U
62-75-9	N-nitroso-dimethylamine	550	U
62-53-3	Aniline	550	U
108-95-2	Phenol	550	U
111-44-4	bis(2-Chloroethyl)ether	550	U
95-57-8	2-Chlorophenol	550	U
541-73-1	1,3-Dichlorobenzene	550	U
106-46-7	1,4-Dichlorobenzene	550	U
100-51-6	Benzyl alcohol	550	U
95-50-1	1,2-Dichlorobenzene	550	U
	2-Methylphenol	550	U
108-60-1	bis(2-chloroisopropyl)ether	550	U
	4-Methylphenol	550	U
621-64-7	n-Nitroso-di-n-propylamine	550	U
67-72-1	Hexachloroethane	550	U
98-95-3	Nitrobenzene	550	U
78-59-1	Isophorone	550	U
88-75-5	2-Nitrophenol	550	U
105-67-9	2,4-Dimethylphenol	550	U
111-91-1	bis(2-Chloroethoxy)methane	550	U
120-83-2	2,4-Dichlorophenol	550	U
65-85-0	Benzoic Acid	550	U
120-82-1	1,2,4-Trichlorobenzene	550	U
91-20-3	Naphthalene	550	U
106-47-8	4-Chloroaniline	550	U
87-68-3	Hexachlorobutadiene	550	U
59-50-7	4-Chloro-3-methylphenol	550	U
91-57-6	2-Methylnaphthalene	550	U
77-47-4	Hexachlorocyclopentadiene	550	U
88-06-2	2,4,6-Trichlorophenol	550	U
	2,4,5-Trichlorophenol	550	U
91-58-7	2-Chloronaphthalene	550	U
88-74-4	2-Nitroaniline	550	U
131-11-3	Dimethylphthalate	550	U
208-96-8	Acenaphthylene	64	J
606-20-2	2,6-Dinitrotoluene	550	U
99-09-2	3-Nitroaniline	550	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-24

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.23

Sample wt/vol: 21.39 (g/ml) G Lab File ID: BN1201.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 15.08 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	550	U
51-28-5	2,4-Dinitrophenol	550	U
132-64-9	Dibenzofuran	550	U
100-02-7	4-Nitrophenol	550	U
121-14-2	2,4-Dinitrotoluene	550	U
84-66-2	Diethylphthalate	330	JB
86-73-7	Fluorene	550	U
7005-72-3	4-Chlorophenyl-phenylether	550	U
100-01-6	4-Nitroaniline	550	U
534-52-1	4,6-Dinitro-2-methylphenol	550	U
86-30-6	n-Nitrosodiphenylamine	550	U
103-33-3	Azobenzene	550	U
101-55-3	4-Bromophenyl-phenylether	550	U
118-74-1	Hexachlorobenzene	550	U
87-86-5	Pentachlorophenol	550	U
85-01-8	Phenanthrene	420	J
120-12-7	Anthracene	550	U
84-74-2	Di-n-butylphthalate	480	JB
206-44-0	Fluoranthene	360	J
92-87-5	Benzidine	550	U
129-00-0	Pyrene	630	
85-68-7	Butylbenzylphthalate	550	U
56-55-3	Benzo[a]anthracene	200	J
91-94-1	3,3'-Dichlorobenzidine	550	U
218-01-9	Chrysene	460	J
117-81-7	bis(2-Ethylhexyl)phthalate	170	JB
117-84-0	Di-n-octylphthalate	550	U
205-99-2	Benzo[b]fluoranthene	130	J
207-08-9	Benzo[k]fluoranthene	290	J
50-32-8	Benzo[a]pyrene	230	J
193-39-5	Indeno[1,2,3-cd]pyrene	160	J
53-70-3	Dibenz[a,h]anthracene	550	U
191-24-2	Benzo[g,h,i]perylene	160	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. **B-24**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.23

Sample wt/vol: 21.39 (g/ml) G Lab File ID: BN1201.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 15.08 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	4.90	560	J
2.	074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.28	770	JN
3.	000109-21-7	Butanoic acid, butyl ester	13.56	1200	JN
4.	000084-69-5	1,2-Benzenedicarboxylic acid, bis(	19.26	4400	JN
5.	000072-54-8	1,1-Dichloro-2,2-bis(p-chlorophen	23.06	480	JN
6.	002461-18-9	Oxirane, [(dodecyloxy)methyl]-	26.23	920	JN
7.	007390-81-0	Oxirane, hexadecyl-	27.22	1200	JN
8.	007390-81-0	Oxirane, hexadecyl-	28.58	470	JN
9.	000630-06-8	Hexatriacontane	28.93	880	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-25**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.25 DR

Sample wt/vol: 20.88 (g/ml) G Lab File ID: BN1224.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 12.32 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	5500	U
62-75-9	N-nitroso-dimethylamine	5500	U
62-53-3	Aniline	5500	U
108-95-2	Phenol	5500	U
111-44-4	bis(2-Chloroethyl)ether	5500	U
95-57-8	2-Chlorophenol	5500	U
541-73-1	1,3-Dichlorobenzene	5500	U
106-46-7	1,4-Dichlorobenzene	5500	U
100-51-6	Benzyl alcohol	5500	U
95-50-1	1,2-Dichlorobenzene	5500	U
	2-Methylphenol	5500	U
108-60-1	bis(2-chloroisopropyl)ether	5500	U
	4-Methylphenol	5500	U
621-64-7	n-Nitroso-di-n-propylamine	5500	U
67-72-1	Hexachloroethane	5500	U
98-95-3	Nitrobenzene	5500	U
78-59-1	Isophorone	5500	U
88-75-5	2-Nitrophenol	5500	U
105-67-9	2,4-Dimethylphenol	5500	U
111-91-1	bis(2-Chloroethoxy)methane	5500	U
120-83-2	2,4-Dichlorophenol	5500	U
65-85-0	Benzoic Acid	5500	U
120-82-1	1,2,4-Trichlorobenzene	5500	U
91-20-3	Naphthalene	5500	U
106-47-8	4-Chloroaniline	5500	U
87-68-3	Hexachlorobutadiene	5500	U
59-50-7	4-Chloro-3-methylphenol	5500	U
91-57-6	2-Methylnaphthalene	5500	U
77-47-4	Hexachlorocyclopentadiene	5500	U
88-06-2	2,4,6-Trichlorophenol	5500	U
	2,4,5-Trichlorophenol	5500	U
91-58-7	2-Chloronaphthalene	5500	U
88-74-4	2-Nitroaniline	5500	U
131-11-3	Dimethylphthalate	5500	U
208-96-8	Acenaphthylene	5500	U
606-20-2	2,6-Dinitrotoluene	5500	U
99-09-2	3-Nitroaniline	5500	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-25**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.25 DR

Sample wt/vol: 20.88 (g/ml) G Lab File ID: BN1224.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 12.32 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	5500	U
51-28-5	2,4-Dinitrophenol	5500	U
132-64-9	Dibenzofuran	5500	U
100-02-7	4-Nitrophenol	5500	U
121-14-2	2,4-Dinitrotoluene	5500	U
84-66-2	Diethylphthalate	5500	U
86-73-7	Fluorene	5500	U
7005-72-3	4-Chlorophenyl-phenylether	5500	U
100-01-6	4-Nitroaniline	5500	U
534-52-1	4,6-Dinitro-2-methylphenol	5500	U
86-30-6	n-Nitrosodiphenylamine	5500	U
103-33-3	Azobenzene	5500	U
101-55-3	4-Bromophenyl-phenylether	5500	U
118-74-1	Hexachlorobenzene	5500	U
87-86-5	Pentachlorophenol	5500	U
85-01-8	Phenanthrene	5500	U
120-12-7	Anthracene	5500	U
84-74-2	Di-n-butylphthalate	1200	JBD
206-44-0	Fluoranthene	660	JD
92-87-5	Benzidine	5500	U
129-00-0	Pyrene	1000	JD
85-68-7	Butylbenzylphthalate	5500	U
56-55-3	Benzo[a]anthracene	5500	U
91-94-1	3,3'-Dichlorobenzidine	5500	U
218-01-9	Chrysene	740	JD
117-81-7	bis(2-Ethylhexyl)phthalate	43000	BD
117-84-0	Di-n-octylphthalate	5500	U
205-99-2	Benzo[b]fluoranthene	5500	U
207-08-9	Benzo[k]fluoranthene	5500	U
50-32-8	Benzo[a]pyrene	5500	U
193-39-5	Indeno[1,2,3-cd]pyrene	5500	U
53-70-3	Dibenz[a,h]anthracene	5500	U
191-24-2	Benzo[g,h,i]perylene	5500	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. **B-25**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL

Sample wt/vol: 20.88 (g/ml) G

Level: (low/med) LOW

% Moisture: 12.32 decanted: (Y/N) N

Concentrated Extract Volume: 1000 (uL)

Injection Volume: 1.0 (uL)

GPC Cleanup: (Y/N) N pH: 7

Lab Sample ID: 3399.25 DR

Lab File ID: BN1224.D

Date Received: 03/11/98

Date Extracted: 03/12/98

Date Analyzed: 03/28/98

Dilution Factor: 10.0

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-26**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.27

Sample wt/vol: 20.68 (g/ml) G Lab File ID: BN1202.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 14.6 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	570	U
62-75-9	N-nitroso-dimethylamine	570	U
62-53-3	Aniline	570	U
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
541-73-1	1,3-Dichlorobenzene	570	U
106-46-7	1,4-Dichlorobenzene	570	U
100-51-6	Benzyl alcohol	570	U
95-50-1	1,2-Dichlorobenzene	570	U
	2-Methylphenol	570	U
108-60-1	bis(2-chloroisopropyl)ether	570	U
	4-Methylphenol	570	U
621-64-7	n-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	570	U
91-20-3	Naphthalene	570	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	570	U
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
	2,4,5-Trichlorophenol	570	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	570	U
131-11-3	Dimethylphthalate	570	U
208-96-8	Acenaphthylene	570	U
606-20-2	2,6-Dinitrotoluene	570	U
99-09-2	3-Nitroaniline	570	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-26

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.27

Sample wt/vol: 20.68 (g/ml) G Lab File ID: BN1202.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 14.6 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	570	U
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	570	U
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	570	U
84-66-2	Diethylphthalate	570	U
86-73-7	Fluorene	570	U
7005-72-3	4-Chlorophenyl-phenylether	570	U
100-01-6	4-Nitroaniline	570	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	570	U
103-33-3	Azobenzene	570	U
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
87-86-5	Pentachlorophenol	570	U
85-01-8	Phenanthrene	97	J
120-12-7	Anthracene	570	U
84-74-2	Di-n-butylphthalate	240	JB
206-44-0	Fluoranthene	160	J
92-87-5	Benzidine	570	U
129-00-0	Pyrene	190	J
85-68-7	Butylbenzylphthalate	570	U
56-55-3	Benzo[a]anthracene	93	J
91-94-1	3,3'-Dichlorobenzidine	570	U
218-01-9	Chrysene	160	J
117-81-7	bis(2-Ethylhexyl)phthalate	100	JB
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo[b]fluoranthene	67	J
207-08-9	Benzo[k]fluoranthene	100	J
50-32-8	Benzo[a]pyrene	570	U
193-39-5	Indeno[1,2,3-cd]pyrene	570	U
53-70-3	Dibenz[a,h]anthracene	570	U
191-24-2	Benzo[g,h,i]perylene	570	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-26

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.27

Sample wt/vol: 20.68 (g/ml) G Lab File ID: BN1202.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 14.6 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-27

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3399.31 D

Sample wt/vol: 21.05 (g/ml) G Lab File ID: BN1282.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 14.6 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	5600	U
62-75-9	N-nitroso-dimethylamine	5600	U
62-53-3	Aniline	5600	U
108-95-2	Phenol	5600	U
111-44-4	bis(2-Chloroethyl)ether	5600	U
95-57-8	2-Chlorophenol	5600	U
541-73-1	1,3-Dichlorobenzene	5600	U
106-46-7	1,4-Dichlorobenzene	5600	U
100-51-6	Benzyl alcohol	5600	U
95-50-1	1,2-Dichlorobenzene	5600	U
	2-Methylphenol	5600	U
108-60-1	bis(2-chloroisopropyl)ether	5600	U
	4-Methylphenol	5600	U
621-64-7	n-Nitroso-di-n-propylamine	5600	U
67-72-1	Hexachloroethane	5600	U
98-95-3	Nitrobenzene	5600	U
78-59-1	Isophorone	5600	U
88-75-5	2-Nitrophenol	5600	U
105-67-9	2,4-Dimethylphenol	5600	U
111-91-1	bis(2-Chloroethoxy)methane	5600	U
120-83-2	2,4-Dichlorophenol	5600	U
65-85-0	Benzoic Acid	5600	U
120-82-1	1,2,4-Trichlorobenzene	5600	U
91-20-3	Naphthalene	5600	U
106-47-8	4-Chloroaniline	5600	U
87-68-3	Hexachlorobutadiene	5600	U
59-50-7	4-Chloro-3-methylphenol	5600	U
91-57-6	2-Methylnaphthalene	5600	U
77-47-4	Hexachlorocyclopentadiene	5600	U
88-06-2	2,4,6-Trichlorophenol	5600	U
	2,4,5-Trichlorophenol	5600	U
91-58-7	2-Chloronaphthalene	5600	U
88-74-4	2-Nitroaniline	5600	U
131-11-3	Dimethylphthalate	5600	U
208-96-8	Acenaphthylene	5600	U
606-20-2	2,6-Dinitrotoluene	5600	U
99-09-2	3-Nitroaniline	5600	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-27

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.31 D

Sample wt/vol: 21.05 (g/ml) G Lab File ID: BN1282.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 14.6 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	5600	U
51-28-5	2,4-Dinitrophenol	5600	U
132-64-9	Dibenzofuran	5600	U
100-02-7	4-Nitrophenol	5600	U
121-14-2	2,4-Dinitrotoluene	5600	U
84-66-2	Diethylphthalate	5600	U
86-73-7	Fluorene	5600	U
7005-72-3	4-Chlorophenyl-phenylether	5600	U
100-01-6	4-Nitroaniline	5600	U
534-52-1	4,6-Dinitro-2-methylphenol	5600	U
86-30-6	n-Nitrosodiphenylamine	5600	U
103-33-3	Azobenzene	5600	U
101-55-3	4-Bromophenyl-phenylether	5600	U
118-74-1	Hexachlorobenzene	5600	U
87-86-5	Pentachlorophenol	5600	U
85-01-8	Phenanthrene	5600	U
120-12-7	Anthracene	5600	U
84-74-2	Di-n-butylphthalate	1300	JBD
206-44-0	Fluoranthene	5600	U
92-87-5	Benzidine	5600	U
129-00-0	Pyrene	5600	U
85-68-7	Butylbenzylphthalate	5600	U
56-55-3	Benzo[a]anthracene	5600	U
91-94-1	3,3'-Dichlorobenzidine	5600	U
218-01-9	Chrysene	5600	U
117-81-7	bis(2-Ethylhexyl)phthalate	1900000	EBD
117-84-0	Di-n-octylphthalate	5600	U
205-99-2	Benzo[b]fluoranthene	5600	U
207-08-9	Benzo[k]fluoranthene	5600	U
50-32-8	Benzo[a]pyrene	5600	U
193-39-5	Indeno[1,2,3-cd]pyrene	5600	U
53-70-3	Dibenz[a,h]anthracene	5600	U
191-24-2	Benzo[g,h,i]perylene	5600	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. **B-27**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.31 D

Sample wt/vol: 21.05 (g/ml) G Lab File ID: BN1282.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 14.6 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 027554-26-3	1,2-Benzenedicarboxylic acid, diis	24.87	22000	JND
2. 000603-11-2	1,2-Benzenedicarboxylic acid, 3-ni	25.14	67000	JND

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-28

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.33

Sample wt/vol: 20.02 (g/ml) G Lab File ID: BN1186.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 19.22 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	310000	U
62-75-9	N-nitroso-dimethylamine	310000	U
62-53-3	Aniline	310000	U
108-95-2	Phenol	310000	U
111-44-4	bis(2-Chloroethyl)ether	310000	U
95-57-8	2-Chlorophenol	310000	U
541-73-1	1,3-Dichlorobenzene	310000	U
106-46-7	1,4-Dichlorobenzene	310000	U
100-51-6	Benzyl alcohol	310000	U
95-50-1	1,2-Dichlorobenzene	310000	U
	2-Methylphenol	310000	U
108-60-1	bis(2-chloroisopropyl)ether	310000	U
	4-Methylphenol	310000	U
621-64-7	n-Nitroso-di-n-propylamine	310000	U
67-72-1	Hexachloroethane	310000	U
98-95-3	Nitrobenzene	310000	U
78-59-1	Isophorone	310000	U
88-75-5	2-Nitrophenol	310000	U
105-67-9	2,4-Dimethylphenol	310000	U
111-91-1	bis(2-Chloroethoxy)methane	310000	U
120-83-2	2,4-Dichlorophenol	310000	U
65-85-0	Benzoic Acid	310000	U
120-82-1	1,2,4-Trichlorobenzene	310000	U
91-20-3	Naphthalene	310000	U
106-47-8	4-Chloroaniline	310000	U
87-68-3	Hexachlorobutadiene	310000	U
59-50-7	4-Chloro-3-methylphenol	310000	U
91-57-6	2-Methylnaphthalene	310000	U
77-47-4	Hexachlorocyclopentadiene	310000	U
88-06-2	2,4,6-Trichlorophenol	310000	U
	2,4,5-Trichlorophenol	310000	U
91-58-7	2-Chloronaphthalene	310000	U
88-74-4	2-Nitroaniline	310000	U
131-11-3	Dimethylphthalate	310000	U
208-96-8	Acenaphthylene	310000	U
606-20-2	2,6-Dinitrotoluene	310000	U
99-09-2	3-Nitroaniline	310000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-28

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.33

Sample wt/vol: 20.02 (g/ml) G Lab File ID: BN1186.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 19.22 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	310000	U
51-28-5	2,4-Dinitrophenol	310000	U
132-64-9	Dibenzofuran	310000	U
100-02-7	4-Nitrophenol	310000	U
121-14-2	2,4-Dinitrotoluene	310000	U
84-66-2	Diethylphthalate	310000	U
86-73-7	Fluorene	310000	U
7005-72-3	4-Chlorophenyl-phenylether	310000	U
100-01-6	4-Nitroaniline	310000	U
534-52-1	4,6-Dinitro-2-methylphenol	310000	U
86-30-6	n-Nitrosodiphenylamine	310000	U
103-33-3	Azobenzene	310000	U
101-55-3	4-Bromophenyl-phenylether	310000	U
118-74-1	Hexachlorobenzene	310000	U
87-86-5	Pentachlorophenol	310000	U
85-01-8	Phenanthrene	310000	U
120-12-7	Anthracene	310000	U
84-74-2	Di-n-butylphthalate	310000	U
206-44-0	Fluoranthene	310000	U
92-87-5	Benzidine	310000	U
129-00-0	Pyrene	310000	U
85-68-7	Butylbenzylphthalate	310000	U
56-55-3	Benzo[a]anthracene	310000	U
91-94-1	3,3'-Dichlorobenzidine	310000	U
218-01-9	Chrysene	310000	U
117-81-7	bis(2-Ethylhexyl)phthalate	8000000	EBD
117-84-0	Di-n-octylphthalate	310000	U
205-99-2	Benzo[b]fluoranthene	310000	U
207-08-9	Benzo[k]fluoranthene	310000	U
50-32-8	Benzo[a]pyrene	310000	U
193-39-5	Indeno[1,2,3-cd]pyrene	310000	U
53-70-3	Dibenz[a,h]anthracene	310000	U
191-24-2	Benzo[g,h,i]perylene	310000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. **B-28**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3399.33

Sample wt/vol: 20.02 (g/ml) G Lab File ID: BN1186.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 19.22 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-29

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.35

Sample wt/vol: 20.6 (g/ml) G Lab File ID: BN1187.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 15.84 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	290000	U
62-75-9	N-nitroso-dimethylamine	290000	U
62-53-3	Aniline	290000	U
108-95-2	Phenol	290000	U
111-44-4	bis(2-Chloroethyl)ether	290000	U
95-57-8	2-Chlorophenol	290000	U
541-73-1	1,3-Dichlorobenzene	290000	U
106-46-7	1,4-Dichlorobenzene	290000	U
100-51-6	Benzyl alcohol	290000	U
95-50-1	1,2-Dichlorobenzene	290000	U
	2-Methylphenol	290000	U
108-60-1	bis(2-chloroisopropyl)ether	290000	U
	4-Methylphenol	290000	U
621-64-7	n-Nitroso-di-n-propylamine	290000	U
67-72-1	Hexachloroethane	290000	U
98-95-3	Nitrobenzene	290000	U
78-59-1	Isophorone	290000	U
88-75-5	2-Nitrophenol	290000	U
105-67-9	2,4-Dimethylphenol	290000	U
111-91-1	bis(2-Chloroethoxy)methane	290000	U
120-83-2	2,4-Dichlorophenol	290000	U
65-85-0	Benzoic Acid	290000	U
120-82-1	1,2,4-Trichlorobenzene	290000	U
91-20-3	Naphthalene	290000	U
106-47-8	4-Chloroaniline	290000	U
87-68-3	Hexachlorobutadiene	290000	U
59-50-7	4-Chloro-3-methylphenol	290000	U
91-57-6	2-Methylnaphthalene	290000	U
77-47-4	Hexachlorocyclopentadiene	290000	U
88-06-2	2,4,6-Trichlorophenol	290000	U
	2,4,5-Trichlorophenol	290000	U
91-58-7	2-Chloronaphthalene	290000	U
88-74-4	2-Nitroaniline	290000	U
131-11-3	Dimethylphthalate	290000	U
208-96-8	Acenaphthylene	290000	U
606-20-2	2,6-Dinitrotoluene	290000	U
99-09-2	3-Nitroaniline	290000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-29**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.35

Sample wt/vol: 20.6 (g/ml) G Lab File ID: BN1187.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 15.84 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	290000	U
51-28-5	2,4-Dinitrophenol	290000	U
132-64-9	Dibenzofuran	290000	U
100-02-7	4-Nitrophenol	290000	U
121-14-2	2,4-Dinitrotoluene	290000	U
84-66-2	Diethylphthalate	290000	U
86-73-7	Fluorene	290000	U
7005-72-3	4-Chlorophenyl-phenylether	290000	U
100-01-6	4-Nitroaniline	290000	U
534-52-1	4,6-Dinitro-2-methylphenol	290000	U
86-30-6	n-Nitrosodiphenylamine	290000	U
103-33-3	Azobenzene	290000	U
101-55-3	4-Bromophenyl-phenylether	290000	U
118-74-1	Hexachlorobenzene	290000	U
87-86-5	Pentachlorophenol	290000	U
85-01-8	Phenanthrene	290000	U
120-12-7	Anthracene	290000	U
84-74-2	Di-n-butylphthalate	290000	U
206-44-0	Fluoranthene	290000	U
92-87-5	Benzidine	290000	U
129-00-0	Pyrene	290000	U
85-68-7	Butylbenzylphthalate	290000	U
56-55-3	Benzo[a]anthracene	290000	U
91-94-1	3,3'-Dichlorobenzidine	290000	U
218-01-9	Chrysene	290000	U
117-81-7	bis(2-Ethylhexyl)phthalate	9000000	EBD
117-84-0	Di-n-octylphthalate	290000	U
205-99-2	Benzo[b]fluoranthene	290000	U
207-08-9	Benzo[k]fluoranthene	290000	U
50-32-8	Benzo[a]pyrene	290000	U
193-39-5	Indeno[1,2,3-cd]pyrene	290000	U
53-70-3	Dibenz[a,h]anthracene	290000	U
191-24-2	Benzo[g,h,i]perylene	290000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-29

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3399 Project N 980211 SDG No.

Matrix (soil/water) SOIL Lab Sample ID: 3399.35

Sample wt/vol: 20.6 (g/ml) G Lab File ID: BN1187.D

Level: (low/med) LOW Date Received: 03/11/98

% Moisture: 15.84 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/26/98

Injection Volume: 1.0 (uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-30

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No. _____

Matrix: (soil/water) SOIL Lab Sample ID: 3403.01

Sample wt/vol: 20.33 (g/ml) G Lab File ID: BN1268.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 12.26 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	280000	U
62-75-9	N-nitroso-dimethylamine	280000	U
62-53-3	Aniline	280000	U
108-95-2	Phenol	280000	U
111-44-4	bis(2-Chloroethyl)ether	280000	U
95-57-8	2-Chlorophenol	280000	U
541-73-1	1,3-Dichlorobenzene	280000	U
106-46-7	1,4-Dichlorobenzene	280000	U
100-51-6	Benzyl alcohol	280000	U
95-50-1	1,2-Dichlorobenzene	280000	U
	2-Methylphenol	280000	U
108-60-1	bis(2-chloroisopropyl)ether	280000	U
	4-Methylphenol	280000	U
621-64-7	n-Nitroso-di-n-propylamine	280000	U
67-72-1	Hexachloroethane	280000	U
98-95-3	Nitrobenzene	280000	U
78-59-1	Isophorone	280000	U
88-75-5	2-Nitrophenol	280000	U
105-67-9	2,4-Dimethylphenol	280000	U
111-91-1	bis(2-Chloroethoxy)methane	280000	U
120-83-2	2,4-Dichlorophenol	280000	U
65-85-0	Benzoic Acid	280000	U
120-82-1	1,2,4-Trichlorobenzene	280000	U
91-20-3	Naphthalene	280000	U
106-47-8	4-Chloroaniline	280000	U
87-68-3	Hexachlorobutadiene	280000	U
59-50-7	4-Chloro-3-methylphenol	280000	U
91-57-6	2-Methylnaphthalene	280000	U
77-47-4	Hexachlorocyclopentadiene	280000	U
88-06-2	2,4,6-Trichlorophenol	280000	U
	2,4,5-Trichlorophenol	280000	U
91-58-7	2-Chloronaphthalene	280000	U
88-74-4	2-Nitroaniline	280000	U
131-11-3	Dimethylphthalate	280000	U
208-96-8	Acenaphthylene	280000	U
606-20-2	2,6-Dinitrotoluene	280000	U
99-09-2	3-Nitroaniline	280000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-30**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.01

Sample wt/vol: 20.33 (g/ml) G Lab File ID: BN1268.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 12.26 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	280000	U
51-28-5	2,4-Dinitrophenol	280000	U
132-64-9	Dibenzofuran	280000	U
100-02-7	4-Nitrophenol	280000	U
121-14-2	2,4-Dinitrotoluene	280000	U
84-66-2	Diethylphthalate	280000	U
86-73-7	Fluorene	280000	U
7005-72-3	4-Chlorophenyl-phenylether	280000	U
100-01-6	4-Nitroaniline	280000	U
534-52-1	4,6-Dinitro-2-methylphenol	280000	U
86-30-6	n-Nitrosodiphenylamine	280000	U
103-33-3	Azobenzene	280000	U
101-55-3	4-Bromophenyl-phenylether	280000	U
118-74-1	Hexachlorobenzene	280000	U
87-86-5	Pentachlorophenol	280000	U
85-01-8	Phenanthrene	280000	U
120-12-7	Anthracene	280000	U
84-74-2	Di-n-butylphthalate	280000	U
206-44-0	Fluoranthene	280000	U
92-87-5	Benzidine	280000	U
129-00-0	Pyrene	280000	U
85-68-7	Butylbenzylphthalate	280000	U
56-55-3	Benzo[a]anthracene	280000	U
91-94-1	3,3'-Dichlorobenzidine	280000	U
218-01-9	Chrysene	280000	U
117-81-7	bis(2-Ethylhexyl)phthalate	3300000	BD
117-84-0	Di-n-octylphthalate	280000	U
205-99-2	Benzo[b]fluoranthene	280000	U
207-08-9	Benzo[k]fluoranthene	280000	U
50-32-8	Benzo[a]pyrene	280000	U
193-39-5	Indeno[1,2,3-cd]pyrene	280000	U
53-70-3	Dibenz[a,h]anthracene	280000	U
191-24-2	Benzo[g,h,i]perylene	280000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-30

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.01

Sample wt/vol: 20.33 (g/ml) G Lab File ID: BN1268.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 12.26 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-31**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.03

Sample wt/vol: 20.96 (g/ml) G Lab File ID: BN1271.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 15.62 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	110000	U
62-75-9	N-nitroso-dimethylamine	110000	U
62-53-3	Aniline	110000	U
108-95-2	Phenol	110000	U
111-44-4	bis(2-Chloroethyl)ether	110000	U
95-57-8	2-Chlorophenol	110000	U
541-73-1	1,3-Dichlorobenzene	110000	U
106-46-7	1,4-Dichlorobenzene	110000	U
100-51-6	Benzyl alcohol	110000	U
95-50-1	1,2-Dichlorobenzene	110000	U
	2-Methylphenol	110000	U
108-60-1	bis(2-chloroisopropyl)ether	110000	U
	4-Methylphenol	110000	U
621-64-7	n-Nitroso-di-n-propylamine	110000	U
67-72-1	Hexachloroethane	110000	U
98-95-3	Nitrobenzene	110000	U
78-59-1	Isophorone	110000	U
88-75-5	2-Nitrophenol	110000	U
105-67-9	2,4-Dimethylphenol	110000	U
111-91-1	bis(2-Chloroethoxy)methane	110000	U
120-83-2	2,4-Dichlorophenol	110000	U
65-85-0	Benzoic Acid	110000	U
120-82-1	1,2,4-Trichlorobenzene	110000	U
91-20-3	Naphthalene	110000	U
106-47-8	4-Chloroaniline	110000	U
87-68-3	Hexachlorobutadiene	110000	U
59-50-7	4-Chloro-3-methylphenol	110000	U
91-57-6	2-Methylnaphthalene	110000	U
77-47-4	Hexachlorocyclopentadiene	110000	U
88-06-2	2,4,6-Trichlorophenol	110000	U
	2,4,5-Trichlorophenol	110000	U
91-58-7	2-Chloronaphthalene	110000	U
88-74-4	2-Nitroaniline	110000	U
131-11-3	Dimethylphthalate	110000	U
208-96-8	Acenaphthylene	110000	U
606-20-2	2,6-Dinitrotoluene	110000	U
99-09-2	3-Nitroaniline	110000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-31

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No. _____

Matrix: (soil/water) SOIL Lab Sample ID: 3403.03

Sample wt/vol: 20.96 (g/ml) G Lab File ID: BN1271.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 15.62 decanted:(Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
83-32-9	Acenaphthene	110000	U
51-28-5	2,4-Dinitrophenol	110000	U
132-64-9	Dibenzofuran	110000	U
100-02-7	4-Nitrophenol	110000	U
121-14-2	2,4-Dinitrotoluene	110000	U
84-66-2	Diethylphthalate	110000	U
86-73-7	Fluorene	110000	U
7005-72-3	4-Chlorophenyl-phenylether	110000	U
100-01-6	4-Nitroaniline	110000	U
534-52-1	4,6-Dinitro-2-methylphenol	110000	U
86-30-6	n-Nitrosodiphenylamine	110000	U
103-33-3	Azobenzene	110000	U
101-55-3	4-Bromophenyl-phenylether	110000	U
118-74-1	Hexachlorobenzene	110000	U
87-86-5	Pentachlorophenol	110000	U
85-01-8	Phenanthrene	110000	U
120-12-7	Anthracene	110000	U
84-74-2	Di-n-butylphthalate	110000	U
206-44-0	Fluoranthene	110000	U
92-87-5	Benzidine	110000	U
129-00-0	Pyrene	110000	U
85-68-7	Butylbenzylphthalate	110000	U
56-55-3	Benzo[a]anthracene	110000	U
91-94-1	3,3'-Dichlorobenzidine	110000	U
218-01-9	Chrysene	110000	U
117-81-7	bis(2-Ethylhexyl)phthalate	1500000	EBD
117-84-0	Di-n-octylphthalate	110000	U
205-99-2	Benzo[b]fluoranthene	110000	U
207-08-9	Benzo[k]fluoranthene	110000	U
50-32-8	Benzo[a]pyrene	110000	U
193-39-5	Indeno[1,2,3-cd]pyrene	110000	U
53-70-3	Dibenz[a,h]anthracene	110000	U
191-24-2	Benzo[g,h,i]perylene	110000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-31

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.03

Sample wt/vol: 20.96 (g/ml) G Lab File ID: BN1271.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 15.62 decanted: (Y/N) N Date Extracted: 03/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-32**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.05

Sample wt/vol: 20.33 (g/ml) G Lab File ID: BN1272.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 13.24 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	570	U
62-75-9	N-nitroso-dimethylamine	570	U
62-53-3	Aniline	570	U
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
541-73-1	1,3-Dichlorobenzene	570	U
106-46-7	1,4-Dichlorobenzene	570	U
100-51-6	Benzyl alcohol	570	U
95-50-1	1,2-Dichlorobenzene	570	U
	2-Methylphenol	570	U
108-60-1	bis(2-chloroisopropyl)ether	570	U
	4-Methylphenol	570	U
621-64-7	n-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	570	U
91-20-3	Naphthalene	570	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	570	U
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
	2,4,5-Trichlorophenol	570	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	570	U
131-11-3	Dimethylphthalate	570	U
208-96-8	Acenaphthylene	570	U
606-20-2	2,6-Dinitrotoluene	570	U
99-09-2	3-Nitroaniline	570	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-32

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.05

Sample wt/vol: 20.33 (g/ml) G Lab File ID: BN1272.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 13.24 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	570	U
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	570	U
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	570	U
84-66-2	Diethylphthalate	570	U
86-73-7	Fluorene	570	U
7005-72-3	4-Chlorophenyl-phenylether	570	U
100-01-6	4-Nitroaniline	570	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	570	U
103-33-3	Azobenzene	570	U
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
87-86-5	Pentachlorophenol	570	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	570	U
84-74-2	Di-n-butylphthalate	57	JB
206-44-0	Fluoranthene	370	J
92-87-5	Benzidine	570	U
129-00-0	Pyrene	260	J
85-68-7	Butylbenzylphthalate	570	U
56-55-3	Benzo[a]anthracene	180	J
91-94-1	3,3'-Dichlorobenzidine	570	U
218-01-9	Chrysene	220	J
117-81-7	bis(2-Ethylhexyl)phthalate	120	JB
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo[b]fluoranthene	110	J
207-08-9	Benzo[k]fluoranthene	130	J
50-32-8	Benzo[a]pyrene	160	J
193-39-5	Indeno[1,2,3-cd]pyrene	130	J
53-70-3	Dibenz[a,h]anthracene	95	J
191-24-2	Benzo[g,h,i]perylene	120	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-32

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No. _____

Matrix: (soil/water) SOIL Lab Sample ID: 3403.05

Sample wt/vol: 20.33 (g/ml) G Lab File ID: BN1272.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 13.24 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-33**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.07

Sample wt/vol: 20.44 (g/ml) G Lab File ID: BN1275.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 10.4 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	550	U
62-75-9	N-nitroso-dimethylamine	550	U
62-53-3	Aniline	550	U
108-95-2	Phenol	550	U
111-44-4	bis(2-Chloroethyl)ether	550	U
95-57-8	2-Chlorophenol	550	U
541-73-1	1,3-Dichlorobenzene	550	U
106-46-7	1,4-Dichlorobenzene	550	U
100-51-6	Benzyl alcohol	550	U
95-50-1	1,2-Dichlorobenzene	550	U
	2-Methylphenol	550	U
108-60-1	bis(2-chloroisopropyl)ether	550	U
	4-Methylphenol	550	U
621-64-7	n-Nitroso-di-n-propylamine	550	U
67-72-1	Hexachloroethane	550	U
98-95-3	Nitrobenzene	550	U
78-59-1	Isophorone	550	U
88-75-5	2-Nitrophenol	550	U
105-67-9	2,4-Dimethylphenol	550	U
111-91-1	bis(2-Chloroethoxy)methane	550	U
120-83-2	2,4-Dichlorophenol	550	U
65-85-0	Benzoic Acid	550	U
120-82-1	1,2,4-Trichlorobenzene	550	U
91-20-3	Naphthalene	550	U
106-47-8	4-Chloroaniline	550	U
87-68-3	Hexachlorobutadiene	550	U
59-50-7	4-Chloro-3-methylphenol	550	U
91-57-6	2-Methylnaphthalene	550	U
77-47-4	Hexachlorocyclopentadiene	550	U
88-06-2	2,4,6-Trichlorophenol	550	U
	2,4,5-Trichlorophenol	550	U
91-58-7	2-Chloronaphthalene	550	U
88-74-4	2-Nitroaniline	550	U
131-11-3	Dimethylphthalate	550	U
208-96-8	Acenaphthylene	550	U
606-20-2	2,6-Dinitrotoluene	550	U
99-09-2	3-Nitroaniline	550	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-33

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.07

Sample wt/vol: 20.44 (g/ml) G Lab File ID: BN1275.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 10.4 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	550	U
51-28-5	2,4-Dinitrophenol	550	U
132-64-9	Dibenzofuran	550	U
100-02-7	4-Nitrophenol	550	U
121-14-2	2,4-Dinitrotoluene	550	U
84-66-2	Diethylphthalate	550	U
86-73-7	Fluorene	550	U
7005-72-3	4-Chlorophenyl-phenylether	550	U
100-01-6	4-Nitroaniline	550	U
534-52-1	4,6-Dinitro-2-methylphenol	550	U
86-30-6	n-Nitrosodiphenylamine	550	U
103-33-3	Azobenzene	550	U
101-55-3	4-Bromophenyl-phenylether	550	U
118-74-1	Hexachlorobenzene	550	U
87-86-5	Pentachlorophenol	550	U
85-01-8	Phenanthrene	88	J
120-12-7	Anthracene	550	U
84-74-2	Di-n-butylphthalate	550	U
206-44-0	Fluoranthene	100	J
92-87-5	Benzidine	550	U
129-00-0	Pyrene	110	J
85-68-7	Butylbenzylphthalate	550	U
56-55-3	Benzo[a]anthracene	73	J
91-94-1	3,3'-Dichlorobenzidine	550	U
218-01-9	Chrysene	110	J
117-81-7	bis(2-Ethylhexyl)phthalate	81	JB
117-84-0	Di-n-octylphthalate	550	U
205-99-2	Benzo[b]fluoranthene	550	U
207-08-9	Benzo[k]fluoranthene	56	J
50-32-8	Benzo[a]pyrene	90	J
193-39-5	Indeno[1,2,3-cd]pyrene	86	J
53-70-3	Dibenz[a,h]anthracene	550	U
191-24-2	Benzo[g,h,i]perylene	84	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-33

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.07

Sample wt/vol: 20.44 (g/ml) G Lab File ID: BN1275.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 10.4 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-34

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.09

Sample wt/vol: 20.1 (g/ml) G Lab File ID: BN1276.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 13.61 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	580	U
62-75-9	N-nitroso-dimethylamine	580	U
62-53-3	Aniline	580	U
108-95-2	Phenol	580	U
111-44-4	bis(2-Chloroethyl)ether	580	U
95-57-8	2-Chlorophenol	580	U
541-73-1	1,3-Dichlorobenzene	580	U
106-46-7	1,4-Dichlorobenzene	580	U
100-51-6	Benzyl alcohol	580	U
95-50-1	1,2-Dichlorobenzene	580	U
	2-Methylphenol	580	U
108-60-1	bis(2-chloroisopropyl)ether	580	U
	4-Methylphenol	580	U
621-64-7	n-Nitroso-di-n-propylamine	580	U
67-72-1	Hexachloroethane	580	U
98-95-3	Nitrobenzene	580	U
78-59-1	Isophorone	580	U
88-75-5	2-Nitrophenol	580	U
105-67-9	2,4-Dimethylphenol	580	U
111-91-1	bis(2-Chloroethoxy)methane	580	U
120-83-2	2,4-Dichlorophenol	580	U
65-85-0	Benzoic Acid	580	U
120-82-1	1,2,4-Trichlorobenzene	580	U
91-20-3	Naphthalene	580	U
106-47-8	4-Chloroaniline	580	U
87-68-3	Hexachlorobutadiene	580	U
59-50-7	4-Chloro-3-methylphenol	580	U
91-57-6	2-Methylnaphthalene	580	U
77-47-4	Hexachlorocyclopentadiene	580	U
88-06-2	2,4,6-Trichlorophenol	580	U
	2,4,5-Trichlorophenol	580	U
91-58-7	2-Chloronaphthalene	580	U
88-74-4	2-Nitroaniline	580	U
131-11-3	Dimethylphthalate	580	U
208-96-8	Acenaphthylene	580	U
606-20-2	2,6-Dinitrotoluene	580	U
99-09-2	3-Nitroaniline	580	U

000402

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-34

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.09

Sample wt/vol: 20.1 (g/ml) G Lab File ID: BN1276.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 13.61 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	580	U
51-28-5	2,4-Dinitrophenol	580	U
132-64-9	Dibenzofuran	580	U
100-02-7	4-Nitrophenol	580	U
121-14-2	2,4-Dinitrotoluene	580	U
84-66-2	Diethylphthalate	580	U
86-73-7	Fluorene	580	U
7005-72-3	4-Chlorophenyl-phenylether	580	U
100-01-6	4-Nitroaniline	580	U
534-52-1	4,6-Dinitro-2-methylphenol	580	U
86-30-6	n-Nitrosodiphenylamine	580	U
103-33-3	Azobenzene	580	U
101-55-3	4-Bromophenyl-phenylether	580	U
118-74-1	Hexachlorobenzene	580	U
87-86-5	Pentachlorophenol	580	U
85-01-8	Phenanthrene	580	U
120-12-7	Anthracene	580	U
84-74-2	Di-n-butylphthalate	350	JB
206-44-0	Fluoranthene	110	J
92-87-5	Benzidine	580	U
129-00-0	Pyrene	79	J
85-68-7	Butylbenzylphthalate	580	U
56-55-3	Benzo[a]anthracene	59	J
91-94-1	3,3'-Dichlorobenzidine	580	U
218-01-9	Chrysene	94	J
117-81-7	bis(2-Ethylhexyl)phthalate	77	JB
117-84-0	Di-n-octylphthalate	580	U
205-99-2	Benzo[b]fluoranthene	580	U
207-08-9	Benzo[k]fluoranthene	580	U
50-32-8	Benzo[a]pyrene	64	J
193-39-5	Indeno[1,2,3-cd]pyrene	62	J
53-70-3	Dibenz[a,h]anthracene	580	U
191-24-2	Benzo[g,h,i]perylene	63	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-34

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.09

Sample wt/vol: 20.1 (g/ml) G Lab File ID: BN1276.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 13.61 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.28	760	JN
2. 000109-21-7	Butanoic acid, butyl ester	13.57	1800	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.27	2700	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-35

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.11

Sample wt/vol: 20.13 (g/ml) G Lab File ID: BN1277.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 17.2 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	600	U
62-75-9	N-nitroso-dimethylamine	600	U
62-53-3	Aniline	600	U
108-95-2	Phenol	600	U
111-44-4	bis(2-Chloroethyl)ether	600	U
95-57-8	2-Chlorophenol	600	U
541-73-1	1,3-Dichlorobenzene	600	U
106-46-7	1,4-Dichlorobenzene	600	U
100-51-6	Benzyl alcohol	600	U
95-50-1	1,2-Dichlorobenzene	600	U
	2-Methylphenol	600	U
108-60-1	bis(2-chloroisopropyl)ether	600	U
	4-Methylphenol	600	U
621-64-7	n-Nitroso-di-n-propylamine	600	U
67-72-1	Hexachloroethane	600	U
98-95-3	Nitrobenzene	600	U
78-59-1	Isophorone	600	U
88-75-5	2-Nitrophenol	600	U
105-67-9	2,4-Dimethylphenol	600	U
111-91-1	bis(2-Chloroethoxy)methane	600	U
120-83-2	2,4-Dichlorophenol	600	U
65-85-0	Benzoic Acid	600	U
120-82-1	1,2,4-Trichlorobenzene	600	U
91-20-3	Naphthalene	600	U
106-47-8	4-Chloroaniline	600	U
87-68-3	Hexachlorobutadiene	600	U
59-50-7	4-Chloro-3-methylphenol	600	U
91-57-6	2-Methylnaphthalene	600	U
77-47-4	Hexachlorocyclopentadiene	600	U
88-06-2	2,4,6-Trichlorophenol	600	U
	2,4,5-Trichlorophenol	600	U
91-58-7	2-Chloronaphthalene	600	U
88-74-4	2-Nitroaniline	600	U
131-11-3	Dimethylphthalate	600	U
208-96-8	Acenaphthylene	600	U
606-20-2	2,6-Dinitrotoluene	600	U
99-09-2	3-Nitroaniline	600	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-35**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No. _____

Matrix: (soil/water) SOIL Lab Sample ID: 3403.11

Sample wt/vol: 20.13 (g/ml) G Lab File ID: BN1277.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 17.2 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	600	U
51-28-5	2,4-Dinitrophenol	600	U
132-64-9	Dibenzofuran	600	U
100-02-7	4-Nitrophenol	600	U
121-14-2	2,4-Dinitrotoluene	600	U
84-66-2	Diethylphthalate	600	U
86-73-7	Fluorene	600	U
7005-72-3	4-Chlorophenyl-phenylether	600	U
100-01-6	4-Nitroaniline	600	U
534-52-1	4,6-Dinitro-2-methylphenol	600	U
86-30-6	n-Nitrosodiphenylamine	600	U
103-33-3	Azobenzene	600	U
101-55-3	4-Bromophenyl-phenylether	600	U
118-74-1	Hexachlorobenzene	600	U
87-86-5	Pentachlorophenol	600	U
85-01-8	Phenanthrene	600	U
120-12-7	Anthracene	600	U
84-74-2	Di-n-butylphthalate	570	JB
206-44-0	Fluoranthene	600	U
92-87-5	Benzidine	600	U
129-00-0	Pyrene	61	J
85-68-7	Butylbenzylphthalate	600	U
56-55-3	Benzo[a]anthracene	600	U
91-94-1	3,3'-Dichlorobenzidine	600	U
218-01-9	Chrysene	48	J
117-81-7	bis(2-Ethylhexyl)phthalate	160	JB
117-84-0	Di-n-octylphthalate	600	U
205-99-2	Benzo[b]fluoranthene	600	U
207-08-9	Benzo[k]fluoranthene	600	U
50-32-8	Benzo[a]pyrene	600	U
193-39-5	Indeno[1,2,3-cd]pyrene	600	U
53-70-3	Dibenz[a,h]anthracene	600	U
191-24-2	Benzo[g,h,i]perylene	600	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-35

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.11

Sample wt/vol: 20.13 (g/ml) G Lab File ID: BN1277.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 17.2 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.92	550	JN
2. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.29	1200	JN
3. 000109-21-7	Butanoic acid, butyl ester	13.57	2400	JN
4. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.28	4000	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-36**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.13

Sample wt/vol: 20.49 (g/ml) G Lab File ID: BN1278.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 10.17 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	5400	U
62-75-9	N-nitroso-dimethylamine	5400	U
62-53-3	Aniline	5400	U
108-95-2	Phenol	5400	U
111-44-4	bis(2-Chloroethyl)ether	5400	U
95-57-8	2-Chlorophenol	5400	U
541-73-1	1,3-Dichlorobenzene	5400	U
106-46-7	1,4-Dichlorobenzene	5400	U
100-51-6	Benzyl alcohol	5400	U
95-50-1	1,2-Dichlorobenzene	5400	U
	2-Methylphenol	5400	U
108-60-1	bis(2-chloroisopropyl)ether	5400	U
	4-Methylphenol	5400	U
621-64-7	n-Nitroso-di-n-propylamine	5400	U
67-72-1	Hexachloroethane	5400	U
98-95-3	Nitrobenzene	5400	U
78-59-1	Isophorone	5400	U
88-75-5	2-Nitrophenol	5400	U
105-67-9	2,4-Dimethylphenol	5400	U
111-91-1	bis(2-Chloroethoxy)methane	5400	U
120-83-2	2,4-Dichlorophenol	5400	U
65-85-0	Benzoic Acid	5400	U
120-82-1	1,2,4-Trichlorobenzene	5400	U
91-20-3	Naphthalene	5400	U
106-47-8	4-Chloroaniline	5400	U
87-68-3	Hexachlorobutadiene	5400	U
59-50-7	4-Chloro-3-methylphenol	5400	U
91-57-6	2-Methylnaphthalene	5400	U
77-47-4	Hexachlorocyclopentadiene	5400	U
88-06-2	2,4,6-Trichlorophenol	5400	U
	2,4,5-Trichlorophenol	5400	U
91-58-7	2-Chloronaphthalene	5400	U
88-74-4	2-Nitroaniline	5400	U
131-11-3	Dimethylphthalate	5400	U
208-96-8	Acenaphthylene	5400	U
606-20-2	2,6-Dinitrotoluene	5400	U
99-09-2	3-Nitroaniline	5400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-36

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.13

Sample wt/vol: 20.49 (g/ml) G Lab File ID: BN1278.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 10.17 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	5400	U
51-28-5	2,4-Dinitrophenol	5400	U
132-64-9	Dibenzofuran	5400	U
100-02-7	4-Nitrophenol	5400	U
121-14-2	2,4-Dinitrotoluene	5400	U
84-66-2	Diethylphthalate	5400	U
86-73-7	Fluorene	5400	U
7005-72-3	4-Chlorophenyl-phenylether	5400	U
100-01-6	4-Nitroaniline	5400	U
534-52-1	4,6-Dinitro-2-methylphenol	5400	U
86-30-6	n-Nitrosodiphenylamine	5400	U
103-33-3	Azobenzene	5400	U
101-55-3	4-Bromophenyl-phenylether	5400	U
118-74-1	Hexachlorobenzene	5400	U
87-86-5	Pentachlorophenol	5400	U
85-01-8	Phenanthrene	610	JD
120-12-7	Anthracene	5400	U
84-74-2	Di-n-butylphthalate	5400	U
206-44-0	Fluoranthene	900	JD
92-87-5	Benzidine	5400	U
129-00-0	Pyrene	840	JD
85-68-7	Butylbenzylphthalate	5400	U
56-55-3	Benzo[a]anthracene	5400	U
91-94-1	3,3'-Dichlorobenzidine	5400	U
218-01-9	Chrysene	750	JD
117-81-7	bis(2-Ethylhexyl)phthalate	5400	U
117-84-0	Di-n-octylphthalate	5400	U
205-99-2	Benzo[b]fluoranthene	5400	U
207-08-9	Benzo[k]fluoranthene	5400	U
50-32-8	Benzo[a]pyrene	5400	U
193-39-5	Indeno[1,2,3-cd]pyrene	5400	U
53-70-3	Dibenz[a,h]anthracene	5400	U
191-24-2	Benzo[g,h,i]perylene	5400	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-36

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No. _____

Matrix: (soil/water) SOIL Lab Sample ID: 3403.13

Sample wt/vol: 20.49 (g/ml) G Lab File ID: BN1278.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 10.17 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-37**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.15

Sample wt/vol: 20.4 (g/ml) G Lab File ID: BN1279.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 11.17 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	550	U
62-75-9	N-nitroso-dimethylamine	550	U
62-53-3	Aniline	550	U
108-95-2	Phenol	550	U
111-44-4	bis(2-Chloroethyl)ether	550	U
95-57-8	2-Chlorophenol	550	U
541-73-1	1,3-Dichlorobenzene	550	U
106-46-7	1,4-Dichlorobenzene	550	U
100-51-6	Benzyl alcohol	550	U
95-50-1	1,2-Dichlorobenzene	550	U
	2-Methylphenol	550	U
108-60-1	bis(2-chloroisopropyl)ether	550	U
	4-Methylphenol	550	U
621-64-7	n-Nitroso-di-n-propylamine	550	U
67-72-1	Hexachloroethane	550	U
98-95-3	Nitrobenzene	550	U
78-59-1	Isophorone	550	U
88-75-5	2-Nitrophenol	550	U
105-67-9	2,4-Dimethylphenol	550	U
111-91-1	bis(2-Chloroethoxy)methane	550	U
120-83-2	2,4-Dichlorophenol	550	U
65-85-0	Benzoic Acid	550	U
120-82-1	1,2,4-Trichlorobenzene	550	U
91-20-3	Naphthalene	550	U
106-47-8	4-Chloroaniline	550	U
87-68-3	Hexachlorobutadiene	550	U
59-50-7	4-Chloro-3-methylphenol	550	U
91-57-6	2-Methylnaphthalene	550	U
77-47-4	Hexachlorocyclopentadiene	550	U
88-06-2	2,4,6-Trichlorophenol	550	U
	2,4,5-Trichlorophenol	550	U
91-58-7	2-Chloronaphthalene	550	U
88-74-4	2-Nitroaniline	550	U
131-11-3	Dimethylphthalate	550	U
208-96-8	Acenaphthylene	550	U
606-20-2	2,6-Dinitrotoluene	550	U
99-09-2	3-Nitroaniline	550	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-37

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No. _____

Matrix: (soil/water) SOIL Lab Sample ID: 3403.15

Sample wt/vol: 20.4 (g/ml) G Lab File ID: BN1279.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 11.17 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	550	U
51-28-5	2,4-Dinitrophenol	550	U
132-64-9	Dibenzofuran	550	U
100-02-7	4-Nitrophenol	550	U
121-14-2	2,4-Dinitrotoluene	550	U
84-66-2	Diethylphthalate	550	U
86-73-7	Fluorene	550	U
7005-72-3	4-Chlorophenyl-phenylether	550	U
100-01-6	4-Nitroaniline	550	U
534-52-1	4,6-Dinitro-2-methylphenol	550	U
86-30-6	n-Nitrosodiphenylamine	550	U
103-33-3	Azobenzene	550	U
101-55-3	4-Bromophenyl-phenylether	550	U
118-74-1	Hexachlorobenzene	550	U
87-86-5	Pentachlorophenol	550	U
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	550	U
84-74-2	Di-n-butylphthalate	470	JB
206-44-0	Fluoranthene	280	J
92-87-5	Benzidine	550	U
129-00-0	Pyrene	320	J
85-68-7	Butylbenzylphthalate	550	U
56-55-3	Benzo[a]anthracene	180	J
91-94-1	3,3'-Dichlorobenzidine	550	U
218-01-9	Chrysene	290	J
117-81-7	bis(2-Ethylhexyl)phthalate	510	JB
117-84-0	Di-n-octylphthalate	550	U
205-99-2	Benzo[b]fluoranthene	160	J
207-08-9	Benzo[k]fluoranthene	170	J
50-32-8	Benzo[a]pyrene	210	J
193-39-5	Indeno[1,2,3-cd]pyrene	170	J
53-70-3	Dibenz[a,h]anthracene	550	U
191-24-2	Benzo[g,h,i]perylene	180	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-37

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.15

Sample wt/vol: 20.4 (g/ml) G Lab File ID: BN1279.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 11.17 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	4.92	460	J
2.	001120-21-4	Undecane	9.55	3200	JN
3.	000097-85-8	Propanoic acid, 2-methyl-, 2-met	13.29	1300	JN
4.	000109-21-7	Butanoic acid, butyl ester	13.58	2600	JN
5.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.28	3700	JN
6.	000000-00-0	1-Hexacosanal	27.26	450	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-38

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.17 D

Sample wt/vol: 21.12 (g/ml) G Lab File ID: BN1280.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 11.46 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	5300	U
62-75-9	N-nitroso-dimethylamine	5300	U
62-53-3	Aniline	5300	U
108-95-2	Phenol	5300	U
111-44-4	bis(2-Chloroethyl)ether	5300	U
95-57-8	2-Chlorophenol	5300	U
541-73-1	1,3-Dichlorobenzene	5300	U
106-46-7	1,4-Dichlorobenzene	5300	U
100-51-6	Benzyl alcohol	5300	U
95-50-1	1,2-Dichlorobenzene	5300	U
	2-Methylphenol	5300	U
108-60-1	bis(2-chloroisopropyl)ether	5300	U
	4-Methylphenol	5300	U
621-64-7	n-Nitroso-di-n-propylamine	5300	U
67-72-1	Hexachloroethane	5300	U
98-95-3	Nitrobenzene	5300	U
78-59-1	Isophorone	5300	U
88-75-5	2-Nitrophenol	5300	U
105-67-9	2,4-Dimethylphenol	5300	U
111-91-1	bis(2-Chloroethoxy)methane	5300	U
120-83-2	2,4-Dichlorophenol	5300	U
65-85-0	Benzoic Acid	5300	U
120-82-1	1,2,4-Trichlorobenzene	5300	U
91-20-3	Naphthalene	5300	U
106-47-8	4-Chloroaniline	5300	U
87-68-3	Hexachlorobutadiene	5300	U
59-50-7	4-Chloro-3-methylphenol	5300	U
91-57-6	2-Methylnaphthalene	5300	U
77-47-4	Hexachlorocyclopentadiene	5300	U
88-06-2	2,4,6-Trichlorophenol	5300	U
	2,4,5-Trichlorophenol	5300	U
91-58-7	2-Chloronaphthalene	5300	U
88-74-4	2-Nitroaniline	5300	U
131-11-3	Dimethylphthalate	5300	U
208-96-8	Acenaphthylene	5300	U
606-20-2	2,6-Dinitrotoluene	5300	U
99-09-2	3-Nitroaniline	5300	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-38

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.17 D

Sample wt/vol: 21.12 (g/ml) G Lab File ID: BN1280.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 11.46 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	5300	U
51-28-5	2,4-Dinitrophenol	5300	U
132-64-9	Dibenzofuran	5300	U
100-02-7	4-Nitrophenol	5300	U
121-14-2	2,4-Dinitrotoluene	5300	U
84-66-2	Diethylphthalate	5300	U
86-73-7	Fluorene	5300	U
7005-72-3	4-Chlorophenyl-phenylether	5300	U
100-01-6	4-Nitroaniline	5300	U
534-52-1	4,6-Dinitro-2-methylphenol	5300	U
86-30-6	n-Nitrosodiphenylamine	5300	U
103-33-3	Azobenzene	5300	U
101-55-3	4-Bromophenyl-phenylether	5300	U
118-74-1	Hexachlorobenzene	5300	U
87-86-5	Pentachlorophenol	5300	U
85-01-8	Phenanthrene	5300	U
120-12-7	Anthracene	5300	U
84-74-2	Di-n-butylphthalate	890	JBD
206-44-0	Fluoranthene	5300	U
92-87-5	Benzidine	5300	U
129-00-0	Pyrene	5300	U
85-68-7	Butylbenzylphthalate	5300	U
56-55-3	Benzo[a]anthracene	5300	U
91-94-1	3,3'-Dichlorobenzidine	5300	U
218-01-9	Chrysene	5300	U
117-81-7	bis(2-Ethylhexyl)phthalate	5300	U
117-84-0	Di-n-octylphthalate	5300	U
205-99-2	Benzo[b]fluoranthene	5300	U
207-08-9	Benzo[k]fluoranthene	5300	U
50-32-8	Benzo[a]pyrene	5300	U
193-39-5	Indeno[1,2,3-cd]pyrene	5300	U
53-70-3	Dibenz[a,h]anthracene	5300	U
191-24-2	Benzo[g,h,i]perylene	5300	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-38

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No. _____

Matrix: (soil/water) SOIL Lab Sample ID: 3403.17 D

Sample wt/vol: 21.12 (g/ml) G Lab File ID: BN1280.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 11.46 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.26	7700	JND

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-39

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.19

Sample wt/vol: 20.7 (g/ml) G Lab File ID: BN1281.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 15.58 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	570	U
62-75-9	N-nitroso-dimethylamine	570	U
62-53-3	Aniline	570	U
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
541-73-1	1,3-Dichlorobenzene	570	U
106-46-7	1,4-Dichlorobenzene	570	U
100-51-6	Benzyl alcohol	570	U
95-50-1	1,2-Dichlorobenzene	570	U
	2-Methylphenol	570	U
108-60-1	bis(2-chloroisopropyl)ether	570	U
	4-Methylphenol	570	U
621-64-7	n-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	570	U
91-20-3	Naphthalene	570	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	570	U
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
	2,4,5-Trichlorophenol	570	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	570	U
131-11-3	Dimethylphthalate	570	U
208-96-8	Acenaphthylene	570	U
606-20-2	2,6-Dinitrotoluene	570	U
99-09-2	3-Nitroaniline	570	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-39

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.19

Sample wt/vol: 20.7 (g/ml) G Lab File ID: BN1281.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 15.58 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	100	J
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	570	U
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	570	U
84-66-2	Diethylphthalate	570	U
86-73-7	Fluorene	70	J
7005-72-3	4-Chlorophenyl-phenylether	570	U
100-01-6	4-Nitroaniline	570	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	570	U
103-33-3	Azobenzene	570	U
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
87-86-5	Pentachlorophenol	570	U
85-01-8	Phenanthrene	740	
120-12-7	Anthracene	200	J
84-74-2	Di-n-butylphthalate	950	JB
206-44-0	Fluoranthene	1400	
92-87-5	Benzidine	570	U
129-00-0	Pyrene	1000	
85-68-7	Butylbenzylphthalate	570	U
56-55-3	Benzo[a]anthracene	600	
91-94-1	3,3'-Dichlorobenzidine	570	U
218-01-9	Chrysene	770	
117-81-7	bis(2-Ethylhexyl)phthalate	110	JB
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo[b]fluoranthene	460	J
207-08-9	Benzo[k]fluoranthene	370	J
50-32-8	Benzo[a]pyrene	570	
193-39-5	Indeno[1,2,3-cd]pyrene	410	J
53-70-3	Dibenz[a,h]anthracene	570	U
191-24-2	Benzo[g,h,i]perylene	380	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-39

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.19

Sample wt/vol: 20.7 (g/ml) G Lab File ID: BN1281.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 15.58 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.91	520	J
2. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.30	1200	JN
3. 000109-21-7	Butanoic acid, butyl ester	13.58	2600	JN
4. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.30	4400	JN
5. 000638-66-4	Octadecanal	27.26	520	JN
6. 000112-88-9	1-Octadecene	27.69	1200	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-40

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No. _____

Matrix: (soil/water) SOIL Lab Sample ID: 3403.21

Sample wt/vol: 20.49 (g/ml) G Lab File ID: BN1301.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 16.08 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	580	U
62-75-9	N-nitroso-dimethylamine	580	U
62-53-3	Aniline	580	U
108-95-2	Phenol	580	U
111-44-4	bis(2-Chloroethyl)ether	580	U
95-57-8	2-Chlorophenol	580	U
541-73-1	1,3-Dichlorobenzene	580	U
106-46-7	1,4-Dichlorobenzene	580	U
100-51-6	Benzyl alcohol	580	U
95-50-1	1,2-Dichlorobenzene	580	U
	2-Methylphenol	580	U
108-60-1	bis(2-chloroisopropyl)ether	580	U
	4-Methylphenol	580	U
621-64-7	n-Nitroso-di-n-propylamine	580	U
67-72-1	Hexachloroethane	580	U
98-95-3	Nitrobenzene	580	U
78-59-1	Isophorone	580	U
88-75-5	2-Nitrophenol	580	U
105-67-9	2,4-Dimethylphenol	580	U
111-91-1	bis(2-Chloroethoxy)methane	580	U
120-83-2	2,4-Dichlorophenol	580	U
65-85-0	Benzoic Acid	580	U
120-82-1	1,2,4-Trichlorobenzene	580	U
91-20-3	Naphthalene	580	U
106-47-8	4-Chloroaniline	580	U
87-68-3	Hexachlorobutadiene	580	U
59-50-7	4-Chloro-3-methylphenol	580	U
91-57-6	2-Methylnaphthalene	580	U
77-47-4	Hexachlorocyclopentadiene	580	U
88-06-2	2,4,6-Trichlorophenol	580	U
	2,4,5-Trichlorophenol	580	U
91-58-7	2-Chloronaphthalene	580	U
88-74-4	2-Nitroaniline	580	U
131-11-3	Dimethylphthalate	580	U
208-96-8	Acenaphthylene	580	U
606-20-2	2,6-Dinitrotoluene	580	U
99-09-2	3-Nitroaniline	580	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-40

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.21

Sample wt/vol: 20.49 (g/ml) G Lab File ID: BN1301.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 16.08 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	580	U
51-28-5	2,4-Dinitrophenol	580	U
132-64-9	Dibenzofuran	580	U
100-02-7	4-Nitrophenol	580	U
121-14-2	2,4-Dinitrotoluene	580	U
84-66-2	Diethylphthalate	580	U
86-73-7	Fluorene	580	U
7005-72-3	4-Chlorophenyl-phenylether	580	U
100-01-6	4-Nitroaniline	580	U
534-52-1	4,6-Dinitro-2-methylphenol	580	U
86-30-6	n-Nitrosodiphenylamine	580	U
103-33-3	Azobenzene	580	U
101-55-3	4-Bromophenyl-phenylether	580	U
118-74-1	Hexachlorobenzene	580	U
87-86-5	Pentachlorophenol	580	U
85-01-8	Phenanthrene	66	J
120-12-7	Anthracene	580	U
84-74-2	Di-n-butylphthalate	490	JB
206-44-0	Fluoranthene	120	J
92-87-5	Benzidine	580	U
129-00-0	Pyrene	110	J
85-68-7	Butylbenzylphthalate	580	U
56-55-3	Benzo[a]anthracene	67	J
91-94-1	3,3'-Dichlorobenzidine	580	U
218-01-9	Chrysene	130	J
117-81-7	bis(2-Ethylhexyl)phthalate	130	JB
117-84-0	Di-n-octylphthalate	580	U
205-99-2	Benzo[b]fluoranthene	580	U
207-08-9	Benzo[k]fluoranthene	100	J
50-32-8	Benzo[a]pyrene	87	J
193-39-5	Indeno[1,2,3-cd]pyrene	580	U
53-70-3	Dibenz[a,h]anthracene	580	U
191-24-2	Benzo[g,h,i]perylene	580	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-40

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.21

Sample wt/vol: 20.49 (g/ml) G Lab File ID: BN1301.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 16.08 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.90	470	J
2. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.29	890	JN
3. 001002-84-2	Pentadecanoic acid	18.84	520	JN
4. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.27	3100	JN
5. 056554-87-1	16-Octadecenal	27.25	950	JN
6. 001599-67-3	1-Docosene	27.68	2300	JN
7. 000112-95-8	Eicosane	28.98	880	JN
8. 018435-45-5	1-Nonadecene	29.03	760	JN
9. 000057-88-5	Cholesterol	29.37	14000	JN
10. 000474-67-9	Ergosta-5,22-dien-3-ol, (3.beta.,2	29.64	3200	JN
11. 004651-51-8	Ergost-5-en-3-ol, (3.beta.)-	30.10	1600	JN
12. 000593-45-3	Octadecane	30.37	810	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-41

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.23

Sample wt/vol: 21 (g/ml) G Lab File ID: BN1302.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 13.77 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	550	U
62-75-9	N-nitroso-dimethylamine	550	U
62-53-3	Aniline	550	U
108-95-2	Phenol	550	U
111-44-4	bis(2-Chloroethyl)ether	550	U
95-57-8	2-Chlorophenol	550	U
541-73-1	1,3-Dichlorobenzene	550	U
106-46-7	1,4-Dichlorobenzene	550	U
100-51-6	Benzyl alcohol	550	U
95-50-1	1,2-Dichlorobenzene	550	U
	2-Methylphenol	550	U
108-60-1	bis(2-chloroisopropyl)ether	550	U
	4-Methylphenol	550	U
621-64-7	n-Nitroso-di-n-propylamine	550	U
67-72-1	Hexachloroethane	550	U
98-95-3	Nitrobenzene	550	U
78-59-1	Isophorone	550	U
88-75-5	2-Nitrophenol	550	U
105-67-9	2,4-Dimethylphenol	550	U
111-91-1	bis(2-Chloroethoxy)methane	550	U
120-83-2	2,4-Dichlorophenol	550	U
65-85-0	Benzoic Acid	550	U
120-82-1	1,2,4-Trichlorobenzene	550	U
91-20-3	Naphthalene	550	U
106-47-8	4-Chloroaniline	550	U
87-68-3	Hexachlorobutadiene	550	U
59-50-7	4-Chloro-3-methylphenol	550	U
91-57-6	2-Methylnaphthalene	550	U
77-47-4	Hexachlorocyclopentadiene	550	U
88-06-2	2,4,6-Trichlorophenol	550	U
	2,4,5-Trichlorophenol	550	U
91-58-7	2-Chloronaphthalene	550	U
88-74-4	2-Nitroaniline	550	U
131-11-3	Dimethylphthalate	550	U
208-96-8	Acenaphthylene	550	U
606-20-2	2,6-Dinitrotoluene	550	U
99-09-2	3-Nitroaniline	550	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-41

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No. _____

Matrix: (soil/water) SOIL Lab Sample ID: 3403.23

Sample wt/vol: 21 (g/ml) G Lab File ID: BN1302.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 13.77 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	550	U
51-28-5	2,4-Dinitrophenol	550	U
132-64-9	Dibenzofuran	550	U
100-02-7	4-Nitrophenol	550	U
121-14-2	2,4-Dinitrotoluene	550	U
84-66-2	Diethylphthalate	550	U
86-73-7	Fluorene	550	U
7005-72-3	4-Chlorophenyl-phenylether	550	U
100-01-6	4-Nitroaniline	550	U
534-52-1	4,6-Dinitro-2-methylphenol	550	U
86-30-6	n-Nitrosodiphenylamine	550	U
103-33-3	Azobenzene	550	U
101-55-3	4-Bromophenyl-phenylether	550	U
118-74-1	Hexachlorobenzene	550	U
87-86-5	Pentachlorophenol	550	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	550	U
84-74-2	Di-n-butylphthalate	530	JB
206-44-0	Fluoranthene	310	J
92-87-5	Benzidine	550	U
129-00-0	Pyrene	210	J
85-68-7	Butylbenzylphthalate	550	U
56-55-3	Benzo[a]anthracene	140	J
91-94-1	3,3'-Dichlorobenzidine	550	U
218-01-9	Chrysene	270	J
117-81-7	bis(2-Ethylhexyl)phthalate	89	JB
117-84-0	Di-n-octylphthalate	550	U
205-99-2	Benzo[b]fluoranthene	130	J
207-08-9	Benzo[k]fluoranthene	190	J
50-32-8	Benzo[a]pyrene	190	J
193-39-5	Indeno[1,2,3-cd]pyrene	140	J
53-70-3	Dibenz[a,h]anthracene	550	U
191-24-2	Benzo[g,h,i]perylene	130	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-41

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.23

Sample wt/vol: 21 (g/ml) G Lab File ID: BN1302.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 13.77 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.91	480	J
2. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.28	750	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.26	2600	JN
4. 000629-80-1	Hexadecanal	27.24	920	JN
5. 006624-79-9	1-Dotriacontanol	27.67	1800	JN
6. 000646-31-1	Tetracosane	28.95	540	JN
7. 001454-85-9	1-Heptadecanol	29.01	480	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-42

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.25

Sample wt/vol: 20.41 (g/ml) G Lab File ID: BN1303.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 16.01 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	580	U
62-75-9	N-nitroso-dimethylamine	580	U
62-53-3	Aniline	580	U
108-95-2	Phenol	580	U
111-44-4	bis(2-Chloroethyl)ether	580	U
95-57-8	2-Chlorophenol	580	U
541-73-1	1,3-Dichlorobenzene	580	U
106-46-7	1,4-Dichlorobenzene	580	U
100-51-6	Benzyl alcohol	580	U
95-50-1	1,2-Dichlorobenzene	580	U
	2-Methylphenol	580	U
108-60-1	bis(2-chloroisopropyl)ether	580	U
	4-Methylphenol	580	U
621-64-7	n-Nitroso-di-n-propylamine	580	U
67-72-1	Hexachloroethane	580	U
98-95-3	Nitrobenzene	580	U
78-59-1	Isophorone	580	U
88-75-5	2-Nitrophenol	580	U
105-67-9	2,4-Dimethylphenol	580	U
111-91-1	bis(2-Chloroethoxy)methane	580	U
120-83-2	2,4-Dichlorophenol	580	U
65-85-0	Benzoic Acid	580	U
120-82-1	1,2,4-Trichlorobenzene	580	U
91-20-3	Naphthalene	580	U
106-47-8	4-Chloroaniline	580	U
87-68-3	Hexachlorobutadiene	580	U
59-50-7	4-Chloro-3-methylphenol	580	U
91-57-6	2-Methylnaphthalene	580	U
77-47-4	Hexachlorocyclopentadiene	580	U
88-06-2	2,4,6-Trichlorophenol	580	U
	2,4,5-Trichlorophenol	580	U
91-58-7	2-Chloronaphthalene	580	U
88-74-4	2-Nitroaniline	580	U
131-11-3	Dimethylphthalate	580	U
208-96-8	Acenaphthylene	580	U
606-20-2	2,6-Dinitrotoluene	580	U
99-09-2	3-Nitroaniline	580	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-42**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.25

Sample wt/vol: 20.41 (g/ml) G Lab File ID: BN1303.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 16.01 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	580	U
51-28-5	2,4-Dinitrophenol	580	U
132-64-9	Dibenzofuran	580	U
100-02-7	4-Nitrophenol	580	U
121-14-2	2,4-Dinitrotoluene	580	U
84-66-2	Diethylphthalate	580	U
86-73-7	Fluorene	580	U
7005-72-3	4-Chlorophenyl-phenylether	580	U
100-01-6	4-Nitroaniline	580	U
534-52-1	4,6-Dinitro-2-methylphenol	580	U
86-30-6	n-Nitrosodiphenylamine	580	U
103-33-3	Azobenzene	580	U
101-55-3	4-Bromophenyl-phenylether	580	U
118-74-1	Hexachlorobenzene	580	U
87-86-5	Pentachlorophenol	580	U
85-01-8	Phenanthrene	110	J
120-12-7	Anthracene	580	U
84-74-2	Di-n-butylphthalate	230	JB
206-44-0	Fluoranthene	180	J
92-87-5	Benzidine	580	U
129-00-0	Pyrene	150	J
85-68-7	Butylbenzylphthalate	580	U
56-55-3	Benzo[a]anthracene	82	J
91-94-1	3,3'-Dichlorobenzidine	580	U
218-01-9	Chrysene	180	J
117-81-7	bis(2-Ethylhexyl)phthalate	120	JB
117-84-0	Di-n-octylphthalate	580	U
205-99-2	Benzo[b]fluoranthene	72	J
207-08-9	Benzo[k]fluoranthene	99	J
50-32-8	Benzo[a]pyrene	100	J
193-39-5	Indeno[1,2,3-cd]pyrene	580	U
53-70-3	Dibenz[a,h]anthracene	580	U
191-24-2	Benzo[g,h,i]perylene	580	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-42

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.25

Sample wt/vol: 20.41 (g/ml) G Lab File ID: BN1303.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 16.01 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.28	630	JN
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.26	1600	JN
3. 000000-00-0	1-Hexacosanal	27.25	3500	JN
4. 006624-79-9	1-Dotriacontanol	27.68	4700	JN
5. 056554-89-3	14-Octadecenal	28.60	1200	JN
6. 000646-31-1	Tetracosane	28.95	1300	JN
7. 006971-40-0	17-Pentatriacontene	29.01	960	JN
8. 007390-81-0	Oxirane, hexadecyl-	29.97	580	JN
9. 000630-06-8	Hexatriacontane	30.37	580	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-43

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.27

Sample wt/vol: 20.56 (g/ml) G Lab File ID: BN1304.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 14.92 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	570	U
62-75-9	N-nitroso-dimethylamine	570	U
62-53-3	Aniline	570	U
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
541-73-1	1,3-Dichlorobenzene	570	U
106-46-7	1,4-Dichlorobenzene	570	U
100-51-6	Benzyl alcohol	570	U
95-50-1	1,2-Dichlorobenzene	570	U
	2-Methylphenol	570	U
108-60-1	bis(2-chloroisopropyl)ether	570	U
	4-Methylphenol	570	U
621-64-7	n-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	570	U
91-20-3	Naphthalene	570	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	570	U
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
	2,4,5-Trichlorophenol	570	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	570	U
131-11-3	Dimethylphthalate	570	U
208-96-8	Acenaphthylene	570	U
606-20-2	2,6-Dinitrotoluene	570	U
99-09-2	3-Nitroaniline	570	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-43

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.27

Sample wt/vol: 20.56 (g/ml) G Lab File ID: BN1304.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 14.92 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	570	U
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	570	U
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	570	U
84-66-2	Diethylphthalate	570	U
86-73-7	Fluorene	570	U
7005-72-3	4-Chlorophenyl-phenylether	570	U
100-01-6	4-Nitroaniline	570	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	570	U
103-33-3	Azobenzene	570	U
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
87-86-5	Pentachlorophenol	570	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	570	U
84-74-2	Di-n-butylphthalate	620	B
206-44-0	Fluoranthene	290	J
92-87-5	Benzidine	570	U
129-00-0	Pyrene	200	J
85-68-7	Butylbenzylphthalate	570	U
56-55-3	Benzo[a]anthracene	120	J
91-94-1	3,3'-Dichlorobenzidine	570	U
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)phthalate	100	JB
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo[b]fluoranthene	110	J
207-08-9	Benzo[k]fluoranthene	170	J
50-32-8	Benzo[a]pyrene	170	J
193-39-5	Indeno[1,2,3-cd]pyrene	110	J
53-70-3	Dibenz[a,h]anthracene	570	U
191-24-2	Benzo[g,h,i]perylene	100	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-43

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.27

Sample wt/vol: 20.56 (g/ml) G Lab File ID: BN1304.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 14.92 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.28	590	JN
2. 000084-74-2	Dibutyl phthalate	19.26	3500	JN
3. 056554-87-1	16-Octadecenal	27.24	1700	JN
4. 006624-79-9	1-Dotriacontanol	27.67	2300	JN
5. 000629-80-1	Hexadecanal	28.60	650	JN
6. 000646-31-1	Tetracosane	28.94	710	JN
7. 074685-30-6	5-Eicosene, (E)-	29.01	480	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-44

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No. _____

Matrix: (soil/water) SOIL Lab Sample ID: 3403.29

Sample wt/vol: 20.12 (g/ml) G Lab File ID: BN1305.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 12.89 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	570	U
62-75-9	N-nitroso-dimethylamine	570	U
62-53-3	Aniline	570	U
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
541-73-1	1,3-Dichlorobenzene	570	U
106-46-7	1,4-Dichlorobenzene	570	U
100-51-6	Benzyl alcohol	570	U
95-50-1	1,2-Dichlorobenzene	570	U
	2-Methylphenol	570	U
108-60-1	bis(2-chloroisopropyl)ether	570	U
	4-Methylphenol	570	U
621-64-7	n-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	570	U
91-20-3	Naphthalene	570	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	570	U
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
	2,4,5-Trichlorophenol	570	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	570	U
131-11-3	Dimethylphthalate	570	U
208-96-8	Acenaphthylene	570	U
606-20-2	2,6-Dinitrotoluene	570	U
99-09-2	3-Nitroaniline	570	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-44

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.29

Sample wt/vol: 20.12 (g/ml) G Lab File ID: BN1305.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 12.89 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	570	U
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	570	U
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	570	U
84-66-2	Diethylphthalate	570	U
86-73-7	Fluorene	570	U
7005-72-3	4-Chlorophenyl-phenylether	570	U
100-01-6	4-Nitroaniline	570	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	570	U
103-33-3	Azobenzene	570	U
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
87-86-5	Pentachlorophenol	570	U
85-01-8	Phenanthrene	57	J
120-12-7	Anthracene	570	U
84-74-2	Di-n-butylphthalate	470	JB
206-44-0	Fluoranthene	80	J
92-87-5	Benzidine	570	U
129-00-0	Pyrene	58	J
85-68-7	Butylbenzylphthalate	570	U
56-55-3	Benzo[a]anthracene	570	U
91-94-1	3,3'-Dichlorobenzidine	570	U
218-01-9	Chrysene	63	J
117-81-7	bis(2-Ethylhexyl)phthalate	72	JB
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo[b]fluoranthene	570	U
207-08-9	Benzo[k]fluoranthene	570	U
50-32-8	Benzo[a]pyrene	570	U
193-39-5	Indeno[1,2,3-cd]pyrene	570	U
53-70-3	Dibenz[a,h]anthracene	570	U
191-24-2	Benzo[g,h,i]perylene	570	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-44

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.29

Sample wt/vol: 20.12 (g/ml) G Lab File ID: BN1305.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 12.89 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.91	460	J
2. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.28	710	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.26	2700	JN
4. 056554-90-6	13-Octadecenal	27.24	1700	JN
5. 001599-67-3	1-Docosene	27.67	2400	JN
6. 002765-11-9	Pentadecanal-	28.59	680	JN
7. 000112-95-8	Eicosane	28.95	730	JN
8. 000112-92-5	1-Octadecanol	29.01	700	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-45**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.31

Sample wt/vol: 20.88 (g/ml) G Lab File ID: BN1306.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 9.73 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	530	U
62-75-9	N-nitroso-dimethylamine	530	U
62-53-3	Aniline	530	U
108-95-2	Phenol	530	U
111-44-4	bis(2-Chloroethyl)ether	530	U
95-57-8	2-Chlorophenol	530	U
541-73-1	1,3-Dichlorobenzene	530	U
106-46-7	1,4-Dichlorobenzene	530	U
100-51-6	Benzyl alcohol	530	U
95-50-1	1,2-Dichlorobenzene	530	U
	2-Methylphenol	530	U
108-60-1	bis(2-chloroisopropyl)ether	530	U
	4-Methylphenol	530	U
621-64-7	n-Nitroso-di-n-propylamine	530	U
67-72-1	Hexachloroethane	530	U
98-95-3	Nitrobenzene	530	U
78-59-1	Isophorone	530	U
88-75-5	2-Nitrophenol	530	U
105-67-9	2,4-Dimethylphenol	530	U
111-91-1	bis(2-Chloroethoxy)methane	530	U
120-83-2	2,4-Dichlorophenol	530	U
65-85-0	Benzoic Acid	530	U
120-82-1	1,2,4-Trichlorobenzene	530	U
91-20-3	Naphthalene	530	U
106-47-8	4-Chloroaniline	530	U
87-68-3	Hexachlorobutadiene	530	U
59-50-7	4-Chloro-3-methylphenol	530	U
91-57-6	2-Methylnaphthalene	530	U
77-47-4	Hexachlorocyclopentadiene	530	U
88-06-2	2,4,6-Trichlorophenol	530	U
	2,4,5-Trichlorophenol	530	U
91-58-7	2-Chloronaphthalene	530	U
88-74-4	2-Nitroaniline	530	U
131-11-3	Dimethylphthalate	530	U
208-96-8	Acenaphthylene	530	U
606-20-2	2,6-Dinitrotoluene	530	U
99-09-2	3-Nitroaniline	530	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-45

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.31

Sample wt/vol: 20.88 (g/ml) G Lab File ID: BN1306.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 9.73 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	530	U
51-28-5	2,4-Dinitrophenol	530	U
132-64-9	Dibenzofuran	530	U
100-02-7	4-Nitrophenol	530	U
121-14-2	2,4-Dinitrotoluene	530	U
84-66-2	Diethylphthalate	530	U
86-73-7	Fluorene	530	U
7005-72-3	4-Chlorophenyl-phenylether	530	U
100-01-6	4-Nitroaniline	530	U
534-52-1	4,6-Dinitro-2-methylphenol	530	U
86-30-6	n-Nitrosodiphenylamine	530	U
103-33-3	Azobenzene	530	U
101-55-3	4-Bromophenyl-phenylether	530	U
118-74-1	Hexachlorobenzene	530	U
87-86-5	Pentachlorophenol	530	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	120	J
84-74-2	Di-n-butylphthalate	260	JB
206-44-0	Fluoranthene	200	J
92-87-5	Benzidine	530	U
129-00-0	Pyrene	140	J
85-68-7	Butylbenzylphthalate	530	U
56-55-3	Benzo[a]anthracene	93	J
91-94-1	3,3'-Dichlorobenzidine	530	U
218-01-9	Chrysene	160	J
117-81-7	bis(2-Ethylhexyl)phthalate	210	JB
117-84-0	Di-n-octylphthalate	530	U
205-99-2	Benzo[b]fluoranthene	71	J
207-08-9	Benzo[k]fluoranthene	130	J
50-32-8	Benzo[a]pyrene	110	J
193-39-5	Indeno[1,2,3-cd]pyrene	530	U
53-70-3	Dibenz[a,h]anthracene	530	U
191-24-2	Benzo[g,h,i]perylene	58	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-45

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.31

Sample wt/vol: 20.88 (g/ml) G Lab File ID: BN1306.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 9.73 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.90	450	J
2. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.28	960	JN
3. 017851-53-5	1,2-Benzenedicarboxylic acid, bu	19.26	1900	JN
4. 056554-90-6	13-Octadecenal	27.24	660	JN
5.	unknown	27.68	690	J
6. 000629-76-5	1-Pentadecanol	29.01	460	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-46

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.33

Sample wt/vol: 21.56 (g/ml) G Lab File ID: BN1307.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 10.72 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	520	U
62-75-9	N-nitroso-dimethylamine	520	U
62-53-3	Aniline	520	U
108-95-2	Phenol	520	U
111-44-4	bis(2-Chloroethyl)ether	520	U
95-57-8	2-Chlorophenol	520	U
541-73-1	1,3-Dichlorobenzene	520	U
106-46-7	1,4-Dichlorobenzene	520	U
100-51-6	Benzyl alcohol	520	U
95-50-1	1,2-Dichlorobenzene	520	U
	2-Methylphenol	520	U
108-60-1	bis(2-chloroisopropyl)ether	520	U
	4-Methylphenol	520	U
621-64-7	n-Nitroso-di-n-propylamine	520	U
67-72-1	Hexachloroethane	520	U
98-95-3	Nitrobenzene	520	U
78-59-1	Isophorone	520	U
88-75-5	2-Nitrophenol	520	U
105-67-9	2,4-Dimethylphenol	520	U
111-91-1	bis(2-Chloroethoxy)methane	520	U
120-83-2	2,4-Dichlorophenol	520	U
65-85-0	Benzoic Acid	520	U
120-82-1	1,2,4-Trichlorobenzene	520	U
91-20-3	Naphthalene	520	U
106-47-8	4-Chloroaniline	520	U
87-68-3	Hexachlorobutadiene	520	U
59-50-7	4-Chloro-3-methylphenol	520	U
91-57-6	2-Methylnaphthalene	520	U
77-47-4	Hexachlorocyclopentadiene	520	U
88-06-2	2,4,6-Trichlorophenol	520	U
	2,4,5-Trichlorophenol	520	U
91-58-7	2-Chloronaphthalene	520	U
88-74-4	2-Nitroaniline	520	U
131-11-3	Dimethylphthalate	520	U
208-96-8	Acenaphthylene	97	J
606-20-2	2,6-Dinitrotoluene	520	U
99-09-2	3-Nitroaniline	520	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-46**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.33

Sample wt/vol: 21.56 (g/ml) G Lab File ID: BN1307.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 10.72 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	520	U
51-28-5	2,4-Dinitrophenol	520	U
132-64-9	Dibenzofuran	520	U
100-02-7	4-Nitrophenol	520	U
121-14-2	2,4-Dinitrotoluene	520	U
84-66-2	Diethylphthalate	520	U
86-73-7	Fluorene	520	U
7005-72-3	4-Chlorophenyl-phenylether	520	U
100-01-6	4-Nitroaniline	520	U
534-52-1	4,6-Dinitro-2-methylphenol	520	U
86-30-6	n-Nitrosodiphenylamine	520	U
103-33-3	Azobenzene	520	U
101-55-3	4-Bromophenyl-phenylether	520	U
118-74-1	Hexachlorobenzene	520	U
87-86-5	Pentachlorophenol	520	U
85-01-8	Phenanthrene	400	J
120-12-7	Anthracene	99	J
84-74-2	Di-n-butylphthalate	630	B
206-44-0	Fluoranthene	1200	
92-87-5	Benzidine	520	U
129-00-0	Pyrene	810	
85-68-7	Butylbenzylphthalate	520	U
56-55-3	Benzo[a]anthracene	610	
91-94-1	3,3'-Dichlorobenzidine	520	U
218-01-9	Chrysene	930	
117-81-7	bis(2-Ethylhexyl)phthalate	110	JB
117-84-0	Di-n-octylphthalate	520	U
205-99-2	Benzo[b]fluoranthene	510	J
207-08-9	Benzo[k]fluoranthene	560	
50-32-8	Benzo[a]pyrene	750	
193-39-5	Indeno[1,2,3-cd]pyrene	380	J
53-70-3	Dibenz[a,h]anthracene	520	U
191-24-2	Benzo[g,h,i]perylene	350	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-46

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3403 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3403.33

Sample wt/vol: 21.56 (g/ml) G Lab File ID: BN1307.D

Level: (low/med) LOW Date Received: 03/12/98

% Moisture: 10.72 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.90	420	J
2.	unknown	13.28	770	J
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.27	2600	JN
4. 000629-80-1	Hexadecanal	27.24	640	JN
5. 000207-08-9	Benzo[k]fluoranthene	27.65	480	JN
6. 000630-06-8	Hexatriacontane	28.95	530	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-47

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3444 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3444.01

Sample wt/vol: 11.17 (g/ml) G Lab File ID: BN1505.D

Level: (low/med) LOW Date Received: 03/30/98

% Moisture: 10.67 decanted:(Y/N) N Date Extracted: 03/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1000	U
62-75-9	N-nitroso-dimethylamine	1000	U
62-53-3	Aniline	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
	4-Methylphenol	1000	U
621-64-7	n-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-47

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3444 Project N 980211 SDG No. _____

Matrix: (soil/water) SOIL Lab Sample ID: 3444.01

Sample wt/vol: 11.17 (g/ml) G Lab File ID: BN1505.D

Level: (low/med) LOW Date Received: 03/30/98

% Moisture: 10.67 decanted:(Y/N) N Date Extracted: 03/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1000	U
51-28-5	2,4-Dinitrophenol	1000	U
132-64-9	Dibenzofuran	1000	U
100-02-7	4-Nitrophenol	1000	U
121-14-2	2,4-Dinitrotoluene	1000	U
84-66-2	Diethylphthalate	1000	U
86-73-7	Fluorene	1000	U
7005-72-3	4-Chlorophenyl-phenylether	1000	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	n-Nitrosodiphenylamine	1000	U
103-33-3	Azobenzene	1000	U
101-55-3	4-Bromophenyl-phenylether	1000	U
118-74-1	Hexachlorobenzene	1000	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	660	J
120-12-7	Anthracene	240	J
84-74-2	Di-n-butylphthalate	3700	
206-44-0	Fluoranthene	2400	
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	2100	
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1300	
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1600	
117-81-7	bis(2-Ethylhexyl)phthalate	170	J
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1300	
207-08-9	Benzo[k]fluoranthene	1400	
50-32-8	Benzo[a]pyrene	1600	
193-39-5	Indeno[1,2,3-cd]pyrene	1200	
53-70-3	Dibenz[a,h]anthracene	410	J
191-24-2	Benzo[g,h,i]perylene	1100	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-47

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3444 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3444.01

Sample wt/vol: 11.17 (g/ml) G Lab File ID: BN1505.D

Level: (low/med) LOW Date Received: 03/30/98

% Moisture: 10.67 decanted: (Y/N) N Date Extracted: 03/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/27/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000629-96-9	1-Eicosanol	26.40	8000	JN
2. 000629-96-9	1-Eicosanol	27.92	920	JN
3.	unknown	29.35	1900	J
4. 000192-97-2	Benzo[e]pyrene	29.53	1400	JN
5. 000629-96-9	1-Eicosanol	30.99	1900	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-48

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3444 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3444.02

Sample wt/vol: 10.63 (g/ml) G Lab File ID: BN1473.D

Level: (low/med) LOW Date Received: 03/30/98

% Moisture: 18.27 decanted:(Y/N) N Date Extracted: 03/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-48

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3444 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3444.02

Sample wt/vol: 10.63 (g/ml) G Lab File ID: BN1473.D

Level: (low/med) LOW Date Received: 03/30/98

% Moisture: 18.27 decanted:(Y/N) N Date Extracted: 03/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	3400	
206-44-0	Fluoranthene	170	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	170	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	180	J
117-81-7	bis(2-Ethylhexyl)phthalate	150	J
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	150	J
50-32-8	Benzo[a]pyrene	1200	U
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	130	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-48

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3444 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3444.02

Sample wt/vol: 10.63 (g/ml) G Lab File ID: BN1473.D

Level: (low/med) LOW Date Received: 03/30/98

% Moisture: 18.27 decanted: (Y/N) N Date Extracted: 03/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 7 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.84	1200	J
2. 000638-66-4	Octadecanal	27.16	1100	JN
3. 000638-68-6	Triacontane	27.57	1300	JN
4. 007098-22-8	Tetratetracontane	28.87	1700	JN
5. 057289-07-3	Isoheptadecanol	28.93	1300	JN
6.	unknown	29.61	1300	J
7.	unknown hydrocarbon	30.28	1400	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-49

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3444 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3444.03

Sample wt/vol: 9.92 (g/ml) G Lab File ID: BN1474.D

Level: (low/med) LOW Date Received: 03/30/98

% Moisture: 12.33 decanted:(Y/N) N Date Extracted: 03/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-49

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3444 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3444.03

Sample wt/vol: 9.92 (g/ml) G Lab File ID: BN1474.D

Level: (low/med) LOW Date Received: 03/30/98

% Moisture: 12.33 decanted:(Y/N) N Date Extracted: 03/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	3400	
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	150	J
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-49

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3444 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3444.03

Sample wt/vol: 9.92 (g/ml) G Lab File ID: BN1474.D

Level: (low/med) LOW Date Received: 03/30/98

% Moisture: 12.33 decanted: (Y/N) N Date Extracted: 03/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.84	1300	J
2.	unknown	27.17	2100	J
3. 055045-08-4	Dodecane, 2-methyl-6-propyl-	27.58	4900	JN
4. 000630-07-9	Pentatriacontane	28.88	2600	JN
5.	unknown	29.62	3800	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-50

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.01

Sample wt/vol: 20.76 (g/ml) G Lab File ID: BN1313.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 11.21 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	540	U
62-75-9	N-nitroso-dimethylamine	540	U
62-53-3	Aniline	540	U
108-95-2	Phenol	540	U
111-44-4	bis(2-Chloroethyl)ether	540	U
95-57-8	2-Chlorophenol	540	U
541-73-1	1,3-Dichlorobenzene	540	U
106-46-7	1,4-Dichlorobenzene	540	U
100-51-6	Benzyl alcohol	540	U
95-50-1	1,2-Dichlorobenzene	540	U
	2-Methylphenol	540	U
108-60-1	bis(2-chloroisopropyl)ether	540	U
	4-Methylphenol	540	U
621-64-7	n-Nitroso-di-n-propylamine	540	U
67-72-1	Hexachloroethane	540	U
98-95-3	Nitrobenzene	540	U
78-59-1	Isophorone	540	U
88-75-5	2-Nitrophenol	540	U
105-67-9	2,4-Dimethylphenol	540	U
111-91-1	bis(2-Chloroethoxy)methane	540	U
120-83-2	2,4-Dichlorophenol	540	U
65-85-0	Benzoic Acid	540	U
120-82-1	1,2,4-Trichlorobenzene	540	U
91-20-3	Naphthalene	540	U
106-47-8	4-Chloroaniline	540	U
87-68-3	Hexachlorobutadiene	540	U
59-50-7	4-Chloro-3-methylphenol	540	U
91-57-6	2-Methylnaphthalene	540	U
77-47-4	Hexachlorocyclopentadiene	540	U
88-06-2	2,4,6-Trichlorophenol	540	U
	2,4,5-Trichlorophenol	540	U
91-58-7	2-Chloronaphthalene	540	U
88-74-4	2-Nitroaniline	540	U
131-11-3	Dimethylphthalate	540	U
208-96-8	Acenaphthylene	540	U
606-20-2	2,6-Dinitrotoluene	540	U
99-09-2	3-Nitroaniline	540	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-50

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.01

Sample wt/vol: 20.76 (g/ml) G Lab File ID: BN1313.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 11.21 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	540	U
51-28-5	2,4-Dinitrophenol	540	U
132-64-9	Dibenzofuran	540	U
100-02-7	4-Nitrophenol	540	U
121-14-2	2,4-Dinitrotoluene	540	U
84-66-2	Diethylphthalate	540	U
86-73-7	Fluorene	540	U
7005-72-3	4-Chlorophenyl-phenylether	540	U
100-01-6	4-Nitroaniline	540	U
534-52-1	4,6-Dinitro-2-methylphenol	540	U
86-30-6	n-Nitrosodiphenylamine	540	U
103-33-3	Azobenzene	540	U
101-55-3	4-Bromophenyl-phenylether	540	U
118-74-1	Hexachlorobenzene	540	U
87-86-5	Pentachlorophenol	540	U
85-01-8	Phenanthrene	81	J
120-12-7	Anthracene	540	U
84-74-2	Di-n-butylphthalate	560	B
206-44-0	Fluoranthene	160	J
92-87-5	Benzidine	540	U
129-00-0	Pyrene	160	J
85-68-7	Butylbenzylphthalate	540	U
56-55-3	Benzo[a]anthracene	99	J
91-94-1	3,3'-Dichlorobenzidine	540	U
218-01-9	Chrysene	180	J
117-81-7	bis(2-Ethylhexyl)phthalate	130	JB
117-84-0	Di-n-octylphthalate	540	U
205-99-2	Benzo[b]fluoranthene	120	J
207-08-9	Benzo[k]fluoranthene	95	J
50-32-8	Benzo[a]pyrene	130	J
193-39-5	Indeno[1,2,3-cd]pyrene	540	U
53-70-3	Dibenz[a,h]anthracene	540	U
191-24-2	Benzo[g,h,i]perylene	540	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-50

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.01

Sample wt/vol: 20.76 (g/ml) G Lab File ID: BN1313.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 11.21 decanted: (Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.90	870	J
2.	unknown	13.29	1400	J
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.27	3700	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-51**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.03

Sample wt/vol: 20.16 (g/ml) G Lab File ID: BN1314.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 9.89 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	550	U
62-75-9	N-nitroso-dimethylamine	550	U
62-53-3	Aniline	550	U
108-95-2	Phenol	550	U
111-44-4	bis(2-Chloroethyl)ether	550	U
95-57-8	2-Chlorophenol	550	U
541-73-1	1,3-Dichlorobenzene	550	U
106-46-7	1,4-Dichlorobenzene	550	U
100-51-6	Benzyl alcohol	550	U
95-50-1	1,2-Dichlorobenzene	550	U
	2-Methylphenol	550	U
108-60-1	bis(2-chloroisopropyl)ether	550	U
	4-Methylphenol	550	U
621-64-7	n-Nitroso-di-n-propylamine	550	U
67-72-1	Hexachloroethane	550	U
98-95-3	Nitrobenzene	550	U
78-59-1	Isophorone	550	U
88-75-5	2-Nitrophenol	550	U
105-67-9	2,4-Dimethylphenol	550	U
111-91-1	bis(2-Chloroethoxy)methane	550	U
120-83-2	2,4-Dichlorophenol	550	U
65-85-0	Benzoic Acid	550	U
120-82-1	1,2,4-Trichlorobenzene	550	U
91-20-3	Naphthalene	550	U
106-47-8	4-Chloroaniline	550	U
87-68-3	Hexachlorobutadiene	550	U
59-50-7	4-Chloro-3-methylphenol	550	U
91-57-6	2-Methylnaphthalene	75	J
77-47-4	Hexachlorocyclopentadiene	550	U
88-06-2	2,4,6-Trichlorophenol	550	U
	2,4,5-Trichlorophenol	550	U
91-58-7	2-Chloronaphthalene	550	U
88-74-4	2-Nitroaniline	550	U
131-11-3	Dimethylphthalate	550	U
208-96-8	Acenaphthylene	550	U
606-20-2	2,6-Dinitrotoluene	550	U
99-09-2	3-Nitroaniline	550	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-51**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.03

Sample wt/vol: 20.16 (g/ml) G Lab File ID: BN1314.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 9.89 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	550	U
51-28-5	2,4-Dinitrophenol	550	U
132-64-9	Dibenzofuran	550	U
100-02-7	4-Nitrophenol	550	U
121-14-2	2,4-Dinitrotoluene	550	U
84-66-2	Diethylphthalate	550	U
86-73-7	Fluorene	550	U
7005-72-3	4-Chlorophenyl-phenylether	550	U
100-01-6	4-Nitroaniline	550	U
534-52-1	4,6-Dinitro-2-methylphenol	550	U
86-30-6	n-Nitrosodiphenylamine	550	U
103-33-3	Azobenzene	550	U
101-55-3	4-Bromophenyl-phenylether	550	U
118-74-1	Hexachlorobenzene	550	U
87-86-5	Pentachlorophenol	550	U
85-01-8	Phenanthrene	270	J
120-12-7	Anthracene	550	U
84-74-2	Di-n-butylphthalate	980	B
206-44-0	Fluoranthene	650	
92-87-5	Benzidine	550	U
129-00-0	Pyrene	540	J
85-68-7	Butylbenzylphthalate	550	U
56-55-3	Benzo[a]anthracene	280	J
91-94-1	3,3'-Dichlorobenzidine	550	U
218-01-9	Chrysene	520	J
117-81-7	bis(2-Ethylhexyl)phthalate	170	JB
117-84-0	Di-n-octylphthalate	550	U
205-99-2	Benzo[b]fluoranthene	240	J
207-08-9	Benzo[k]fluoranthene	380	J
50-32-8	Benzo[a]pyrene	340	J
193-39-5	Indeno[1,2,3-cd]pyrene	190	J
53-70-3	Dibenz[a,h]anthracene	550	U
191-24-2	Benzo[g,h,i]perylene	180	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-51

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.03

Sample wt/vol: 20.16 (g/ml) G Lab File ID: BN1314.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 9.89 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.91	470	JN
2. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.28	880	JN
3. 000085-69-8	1,2-Benzenedicarboxylic acid, bu	19.28	3600	JN
4. 056554-90-6	13-Octadecenal	27.25	860	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-52**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.05

Sample wt/vol: 20.96 (g/ml) G Lab File ID: BN1317.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 15.36 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	560	U
62-75-9	N-nitroso-dimethylamine	560	U
62-53-3	Aniline	560	U
108-95-2	Phenol	560	U
111-44-4	bis(2-Chloroethyl)ether	560	U
95-57-8	2-Chlorophenol	560	U
541-73-1	1,3-Dichlorobenzene	560	U
106-46-7	1,4-Dichlorobenzene	560	U
100-51-6	Benzyl alcohol	560	U
95-50-1	1,2-Dichlorobenzene	560	U
	2-Methylphenol	560	U
108-60-1	bis(2-chloroisopropyl)ether	560	U
	4-Methylphenol	560	U
621-64-7	n-Nitroso-di-n-propylamine	560	U
67-72-1	Hexachloroethane	560	U
98-95-3	Nitrobenzene	560	U
78-59-1	Isophorone	560	U
88-75-5	2-Nitrophenol	560	U
105-67-9	2,4-Dimethylphenol	560	U
111-91-1	bis(2-Chloroethoxy)methane	560	U
120-83-2	2,4-Dichlorophenol	560	U
65-85-0	Benzoic Acid	560	U
120-82-1	1,2,4-Trichlorobenzene	560	U
91-20-3	Naphthalene	560	U
106-47-8	4-Chloroaniline	560	U
87-68-3	Hexachlorobutadiene	560	U
59-50-7	4-Chloro-3-methylphenol	560	U
91-57-6	2-Methylnaphthalene	560	U
77-47-4	Hexachlorocyclopentadiene	560	U
88-06-2	2,4,6-Trichlorophenol	560	U
	2,4,5-Trichlorophenol	560	U
91-58-7	2-Chloronaphthalene	560	U
88-74-4	2-Nitroaniline	560	U
131-11-3	Dimethylphthalate	560	U
208-96-8	Acenaphthylene	560	U
606-20-2	2,6-Dinitrotoluene	560	U
99-09-2	3-Nitroaniline	560	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-52

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.05

Sample wt/vol: 20.96 (g/ml) G Lab File ID: BN1317.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 15.36 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	560	U
51-28-5	2,4-Dinitrophenol	560	U
132-64-9	Dibenzofuran	560	U
100-02-7	4-Nitrophenol	560	U
121-14-2	2,4-Dinitrotoluene	560	U
84-66-2	Diethylphthalate	560	U
86-73-7	Fluorene	560	U
7005-72-3	4-Chlorophenyl-phenylether	560	U
100-01-6	4-Nitroaniline	560	U
534-52-1	4,6-Dinitro-2-methylphenol	560	U
86-30-6	n-Nitrosodiphenylamine	560	U
103-33-3	Azobenzene	560	U
101-55-3	4-Bromophenyl-phenylether	560	U
118-74-1	Hexachlorobenzene	560	U
87-86-5	Pentachlorophenol	560	U
85-01-8	Phenanthrene	270	J
120-12-7	Anthracene	560	U
84-74-2	Di-n-butylphthalate	670	B
206-44-0	Fluoranthene	610	
92-87-5	Benzidine	560	U
129-00-0	Pyrene	550	J
85-68-7	Butylbenzylphthalate	560	U
56-55-3	Benzo[a]anthracene	300	J
91-94-1	3,3'-Dichlorobenzidine	560	U
218-01-9	Chrysene	540	J
117-81-7	bis(2-Ethylhexyl)phthalate	200	JB
117-84-0	Di-n-octylphthalate	560	U
205-99-2	Benzo[b]fluoranthene	260	J
207-08-9	Benzo[k]fluoranthene	370	J
50-32-8	Benzo[a]pyrene	380	J
193-39-5	Indeno[1,2,3-cd]pyrene	560	U
53-70-3	Dibenz[a,h]anthracene	560	U
191-24-2	Benzo[g,h,i]perylene	230	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-52

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.05

Sample wt/vol: 20.96 (g/ml) G Lab File ID: BN1317.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 15.36 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.90	510	J
2. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.28	1100	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.26	2700	JN
4. 000112-88-9	1-Octadecene	26.24	500	JN
5. 002765-11-9	Pentadecanal-	26.52	560	JN
6. 056554-90-6	13-Octadecenal	27.24	18000	JN
7. 007206-19-1	3-Octadecene, (E)-	27.67	27000	JN
8. 056554-87-1	16-Octadecenal	28.59	7500	JN
9. 000646-31-1	Tetracosane	28.95	9500	JN
10. 000295-65-8	Cyclohexadecane	29.01	2900	JN
11. 000112-92-5	1-Octadecanol	29.96	4000	JN
12. 006912-07-8	Hexadecane, 5-butyl-	30.37	4600	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-53**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.07

Sample wt/vol: 20.81 (g/ml) G Lab File ID: BN1318.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 10.49 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	540	U
62-75-9	N-nitroso-dimethylamine	540	U
62-53-3	Aniline	540	U
108-95-2	Phenol	540	U
111-44-4	bis(2-Chloroethyl)ether	540	U
95-57-8	2-Chlorophenol	540	U
541-73-1	1,3-Dichlorobenzene	540	U
106-46-7	1,4-Dichlorobenzene	540	U
100-51-6	Benzyl alcohol	540	U
95-50-1	1,2-Dichlorobenzene	540	U
	2-Methylphenol	540	U
108-60-1	bis(2-chloroisopropyl)ether	540	U
	4-Methylphenol	540	U
621-64-7	n-Nitroso-di-n-propylamine	540	U
67-72-1	Hexachloroethane	540	U
98-95-3	Nitrobenzene	540	U
78-59-1	Isophorone	540	U
88-75-5	2-Nitrophenol	540	U
105-67-9	2,4-Dimethylphenol	540	U
111-91-1	bis(2-Chloroethoxy)methane	540	U
120-83-2	2,4-Dichlorophenol	540	U
65-85-0	Benzoic Acid	540	U
120-82-1	1,2,4-Trichlorobenzene	540	U
91-20-3	Naphthalene	540	U
106-47-8	4-Chloroaniline	540	U
87-68-3	Hexachlorobutadiene	540	U
59-50-7	4-Chloro-3-methylphenol	540	U
91-57-6	2-Methylnaphthalene	540	U
77-47-4	Hexachlorocyclopentadiene	540	U
88-06-2	2,4,6-Trichlorophenol	540	U
	2,4,5-Trichlorophenol	540	U
91-58-7	2-Chloronaphthalene	540	U
88-74-4	2-Nitroaniline	540	U
131-11-3	Dimethylphthalate	540	U
208-96-8	Acenaphthylene	540	U
606-20-2	2,6-Dinitrotoluene	540	U
99-09-2	3-Nitroaniline	540	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-53

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.07

Sample wt/vol: 20.81 (g/ml) G Lab File ID: BN1318.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 10.49 decanted:(Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	540	U
51-28-5	2,4-Dinitrophenol	540	U
132-64-9	Dibenzofuran	540	U
100-02-7	4-Nitrophenol	540	U
121-14-2	2,4-Dinitrotoluene	540	U
84-66-2	Diethylphthalate	540	U
86-73-7	Fluorene	540	U
7005-72-3	4-Chlorophenyl-phenylether	540	U
100-01-6	4-Nitroaniline	540	U
534-52-1	4,6-Dinitro-2-methylphenol	540	U
86-30-6	n-Nitrosodiphenylamine	540	U
103-33-3	Azobenzene	540	U
101-55-3	4-Bromophenyl-phenylether	540	U
118-74-1	Hexachlorobenzene	540	U
87-86-5	Pentachlorophenol	540	U
85-01-8	Phenanthrene	86	J
120-12-7	Anthracene	540	U
84-74-2	Di-n-butylphthalate	420	JB
206-44-0	Fluoranthene	86	J
92-87-5	Benzidine	540	U
129-00-0	Pyrene	92	J
85-68-7	Butylbenzylphthalate	540	U
56-55-3	Benzo[a]anthracene	540	U
91-94-1	3,3'-Dichlorobenzidine	540	U
218-01-9	Chrysene	91	J
117-81-7	bis(2-Ethylhexyl)phthalate	96	JB
117-84-0	Di-n-octylphthalate	540	U
205-99-2	Benzo[b]fluoranthene	540	U
207-08-9	Benzo[k]fluoranthene	540	U
50-32-8	Benzo[a]pyrene	540	U
193-39-5	Indeno[1,2,3-cd]pyrene	540	U
53-70-3	Dibenz[a,h]anthracene	540	U
191-24-2	Benzo[g,h,i]perylene	540	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-53

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.07

Sample wt/vol: 20.81 (g/ml) G Lab File ID: BN1318.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 10.49 decanted: (Y/N) N Date Extracted: 03/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 11 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.90	490	J
2. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.27	1200	JN
3. 017851-53-5	1,2-Benzenedicarboxylic acid, bu	19.26	3900	JN
4. 006971-40-0	17-Pentatriacontene	26.25	540	JN
5. 056554-90-6	13-Octadecenal	27.24	3200	JN
6. 006624-79-9	1-Dotriacontanol	27.67	4400	JN
7. 000629-80-1	Hexadecanal	28.59	1700	JN
8. 000646-31-1	Tetracosane	28.94	1600	JN
9. 006971-40-0	17-Pentatriacontene	29.00	900	JN
10. 000638-66-4	Octadecanal	29.96	840	JN
11. 000646-31-1	Tetracosane	30.36	620	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-54

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.09

Sample wt/vol: 20.88 (g/ml) G Lab File ID: BN1319.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 15.47 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	570	U
62-75-9	N-nitroso-dimethylamine	570	U
62-53-3	Aniline	570	U
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
541-73-1	1,3-Dichlorobenzene	570	U
106-46-7	1,4-Dichlorobenzene	570	U
100-51-6	Benzyl alcohol	570	U
95-50-1	1,2-Dichlorobenzene	570	U
	2-Methylphenol	570	U
108-60-1	bis(2-chloroisopropyl)ether	570	U
	4-Methylphenol	570	U
621-64-7	n-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	570	U
91-20-3	Naphthalene	570	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	570	U
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
	2,4,5-Trichlorophenol	570	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	570	U
131-11-3	Dimethylphthalate	570	U
208-96-8	Acenaphthylene	570	U
606-20-2	2,6-Dinitrotoluene	570	U
99-09-2	3-Nitroaniline	570	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-54

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.09

Sample wt/vol: 20.88 (g/ml) G Lab File ID: BN1319.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 15.47 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	570	U
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	570	U
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	570	U
84-66-2	Diethylphthalate	570	U
86-73-7	Fluorene	570	U
7005-72-3	4-Chlorophenyl-phenylether	570	U
100-01-6	4-Nitroaniline	570	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	570	U
103-33-3	Azobenzene	570	U
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
87-86-5	Pentachlorophenol	570	U
85-01-8	Phenanthrene	71	J
120-12-7	Anthracene	570	U
84-74-2	Di-n-butylphthalate	270	JB
206-44-0	Fluoranthene	110	J
92-87-5	Benzidine	570	U
129-00-0	Pyrene	100	J
85-68-7	Butylbenzylphthalate	570	U
56-55-3	Benzo[a]anthracene	570	U
91-94-1	3,3'-Dichlorobenzidine	570	U
218-01-9	Chrysene	110	J
117-81-7	bis(2-Ethylhexyl)phthalate	100	JB
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo[b]fluoranthene	570	U
207-08-9	Benzo[k]fluoranthene	65	J
50-32-8	Benzo[a]pyrene	570	U
193-39-5	Indeno[1,2,3-cd]pyrene	570	U
53-70-3	Dibenz[a,h]anthracene	570	U
191-24-2	Benzo[g,h,i]perylene	570	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-54

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.09

Sample wt/vol: 20.88 (g/ml) G Lab File ID: BN1319.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 15.47 decanted: (Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.90	820	J
2. 000539-90-2	Butanoic acid, 2-methylpropyl est	13.28	1500	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.25	2300	JN
4. 056554-87-1	16-Octadecenal	27.24	2500	JN
5. 001653-33-4	4-Tetradecanol	27.67	3700	JN
6. 056554-89-3	14-Octadecenal	28.59	1000	JN
7. 000646-31-1	Tetracosane	28.94	1300	JN
8. 000629-96-9	1-Eicosanol	29.01	830	JN
9. 056554-86-0	17-Octadecenal	29.96	750	JN
10. 000112-95-8	Eicosane	30.37	590	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-55

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.11

Sample wt/vol: 20.55 (g/ml) G Lab File ID: BN1320.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 14.26 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	570	U
62-75-9	N-nitroso-dimethylamine	570	U
62-53-3	Aniline	570	U
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
541-73-1	1,3-Dichlorobenzene	570	U
106-46-7	1,4-Dichlorobenzene	570	U
100-51-6	Benzyl alcohol	570	U
95-50-1	1,2-Dichlorobenzene	570	U
	2-Methylphenol	570	U
108-60-1	bis(2-chloroisopropyl)ether	570	U
	4-Methylphenol	570	U
621-64-7	n-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	570	U
91-20-3	Naphthalene	570	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	570	U
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
	2,4,5-Trichlorophenol	570	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	570	U
131-11-3	Dimethylphthalate	570	U
208-96-8	Acenaphthylene	570	U
606-20-2	2,6-Dinitrotoluene	570	U
99-09-2	3-Nitroaniline	570	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-55**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.11

Sample wt/vol: 20.55 (g/ml) G Lab File ID: BN1320.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 14.26 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	570	U
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	570	U
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	570	U
84-66-2	Diethylphthalate	570	U
86-73-7	Fluorene	570	U
7005-72-3	4-Chlorophenyl-phenylether	570	U
100-01-6	4-Nitroaniline	570	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	570	U
103-33-3	Azobenzene	570	U
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
87-86-5	Pentachlorophenol	570	U
85-01-8	Phenanthrene	230	J
120-12-7	Anthracene	570	U
84-74-2	Di-n-butylphthalate	480	JB
206-44-0	Fluoranthene	300	J
92-87-5	Benzidine	570	U
129-00-0	Pyrene	320	J
85-68-7	Butylbenzylphthalate	570	U
56-55-3	Benzo[a]anthracene	140	J
91-94-1	3,3'-Dichlorobenzidine	570	U
218-01-9	Chrysene	280	J
117-81-7	bis(2-Ethylhexyl)phthalate	120	JB
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo[b]fluoranthene	110	J
207-08-9	Benzo[k]fluoranthene	160	J
50-32-8	Benzo[a]pyrene	170	J
193-39-5	Indeno[1,2,3-cd]pyrene	570	U
53-70-3	Dibenz[a,h]anthracene	570	U
191-24-2	Benzo[g,h,i]perylene	96	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-55

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.11

Sample wt/vol: 20.55 (g/ml) G Lab File ID: BN1320.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 14.26 decanted: (Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.90	670	J
2. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.28	1200	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.26	3500	JN
4. 000072-54-8	1,1-Dichloro-2,2-bis(p-chlorophen	23.10	960	JN
5. 000050-29-3	Chlorophenothane	23.75	790	JN
6. 056554-90-6	13-Octadecenal	27.24	1900	JN
7. 000544-76-3	Hexadecane	27.64	1600	JN
8. 056554-89-3	14-Octadecenal	28.59	1700	JN
9. 007098-22-8	Tetratetracontane	28.95	2200	JN
10. 029354-98-1	Hexadecanol	29.01	1000	JN
11. 002765-11-9	Pentadecanal-	29.96	670	JN
12. 000112-95-8	Eicosane	30.36	670	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-56

Lab Name: FMETL Location: M-4

Cert. No: 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.13

Sample wt/vol: 20.54 (g/ml) G Lab File ID: BN1321.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 14.31 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	570	U
62-75-9	N-nitroso-dimethylamine	570	U
62-53-3	Aniline	570	U
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
541-73-1	1,3-Dichlorobenzene	570	U
106-46-7	1,4-Dichlorobenzene	570	U
100-51-6	Benzyl alcohol	570	U
95-50-1	1,2-Dichlorobenzene	570	U
	2-Methylphenol	570	U
108-60-1	bis(2-chloroisopropyl)ether	570	U
	4-Methylphenol	570	U
621-64-7	n-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	570	U
91-20-3	Naphthalene	570	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	570	U
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
	2,4,5-Trichlorophenol	570	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	570	U
131-11-3	Dimethylphthalate	570	U
208-96-8	Acenaphthylene	570	U
606-20-2	2,6-Dinitrotoluene	570	U
99-09-2	3-Nitroaniline	570	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-56**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.13

Sample wt/vol: 20.54 (g/ml) G Lab File ID: BN1321.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 14.31 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	570	U
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	570	U
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	570	U
84-66-2	Diethylphthalate	570	U
86-73-7	Fluorene	570	U
7005-72-3	4-Chlorophenyl-phenylether	570	U
100-01-6	4-Nitroaniline	570	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	570	U
103-33-3	Azobenzene	570	U
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
87-86-5	Pentachlorophenol	570	U
85-01-8	Phenanthrene	80	J
120-12-7	Anthracene	570	U
84-74-2	Di-n-butylphthalate	140	JB
206-44-0	Fluoranthene	120	J
92-87-5	Benzidine	570	U
129-00-0	Pyrene	120	J
85-68-7	Butylbenzylphthalate	570	U
56-55-3	Benzo[a]anthracene	75	J
91-94-1	3,3'-Dichlorobenzidine	570	U
218-01-9	Chrysene	140	J
117-81-7	bis(2-Ethylhexyl)phthalate	61	JB
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo[b]fluoranthene	64	J
207-08-9	Benzo[k]fluoranthene	86	J
50-32-8	Benzo[a]pyrene	95	J
193-39-5	Indeno[1,2,3-cd]pyrene	570	U
53-70-3	Dibenz[a,h]anthracene	570	U
191-24-2	Benzo[g,h,i]perylene	570	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-56

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.13

Sample wt/vol: 20.54 (g/ml) G Lab File ID: BN1321.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 14.31 decanted: (Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.27	680	JN
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.25	1300	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-57

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.15

Sample wt/vol: 20.29 (g/ml) G Lab File ID: BN1324.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 15.6 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	580	U
62-75-9	N-nitroso-dimethylamine	580	U
62-53-3	Aniline	580	U
108-95-2	Phenol	580	U
111-44-4	bis(2-Chloroethyl)ether	580	U
95-57-8	2-Chlorophenol	580	U
541-73-1	1,3-Dichlorobenzene	580	U
106-46-7	1,4-Dichlorobenzene	580	U
100-51-6	Benzyl alcohol	580	U
95-50-1	1,2-Dichlorobenzene	580	U
	2-Methylphenol	580	U
108-60-1	bis(2-chloroisopropyl)ether	580	U
	4-Methylphenol	580	U
621-64-7	n-Nitroso-di-n-propylamine	580	U
67-72-1	Hexachloroethane	580	U
98-95-3	Nitrobenzene	580	U
78-59-1	Isophorone	580	U
88-75-5	2-Nitrophenol	580	U
105-67-9	2,4-Dimethylphenol	580	U
111-91-1	bis(2-Chloroethoxy)methane	580	U
120-83-2	2,4-Dichlorophenol	580	U
65-85-0	Benzoic Acid	580	U
120-82-1	1,2,4-Trichlorobenzene	580	U
91-20-3	Naphthalene	580	U
106-47-8	4-Chloroaniline	580	U
87-68-3	Hexachlorobutadiene	580	U
59-50-7	4-Chloro-3-methylphenol	580	U
91-57-6	2-Methylnaphthalene	580	U
77-47-4	Hexachlorocyclopentadiene	580	U
88-06-2	2,4,6-Trichlorophenol	580	U
	2,4,5-Trichlorophenol	580	U
91-58-7	2-Chloronaphthalene	580	U
88-74-4	2-Nitroaniline	580	U
131-11-3	Dimethylphthalate	580	U
208-96-8	Acenaphthylene	580	U
606-20-2	2,6-Dinitrotoluene	580	U
99-09-2	3-Nitroaniline	580	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-57

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.15

Sample wt/vol: 20.29 (g/ml) G Lab File ID: BN1324.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 15.6 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	580	U
51-28-5	2,4-Dinitrophenol	580	U
132-64-9	Dibenzofuran	580	U
100-02-7	4-Nitrophenol	580	U
121-14-2	2,4-Dinitrotoluene	580	U
84-66-2	Diethylphthalate	580	U
86-73-7	Fluorene	580	U
7005-72-3	4-Chlorophenyl-phenylether	580	U
100-01-6	4-Nitroaniline	580	U
534-52-1	4,6-Dinitro-2-methylphenol	580	U
86-30-6	n-Nitrosodiphenylamine	580	U
103-33-3	Azobenzene	580	U
101-55-3	4-Bromophenyl-phenylether	580	U
118-74-1	Hexachlorobenzene	580	U
87-86-5	Pentachlorophenol	580	U
85-01-8	Phenanthrene	180	J
120-12-7	Anthracene	580	U
84-74-2	Di-n-butylphthalate	450	JB
206-44-0	Fluoranthene	290	J
92-87-5	Benzidine	580	U
129-00-0	Pyrene	220	J
85-68-7	Butylbenzylphthalate	580	U
56-55-3	Benzo[a]anthracene	150	J
91-94-1	3,3'-Dichlorobenzidine	580	U
218-01-9	Chrysene	200	J
117-81-7	bis(2-Ethylhexyl)phthalate	91	JB
117-84-0	Di-n-octylphthalate	580	U
205-99-2	Benzo[b]fluoranthene	93	J
207-08-9	Benzo[k]fluoranthene	120	J
50-32-8	Benzo[a]pyrene	150	J
193-39-5	Indeno[1,2,3-cd]pyrene	97	J
53-70-3	Dibenz[a,h]anthracene	580	U
191-24-2	Benzo[g,h,i]perylene	78	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-57

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.15

Sample wt/vol: 20.29 (g/ml) G Lab File ID: BN1324.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 15.6 decanted: (Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.89	740	J
2. 000097-85-8	Propanoic acid, 2-methyl-, 2-met	13.27	790	JN
3. 017851-53-5	1,2-Benzenedicarboxylic acid, bu	19.25	2800	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-58**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.17

Sample wt/vol: 20.4 (g/ml) G Lab File ID: BN1325.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 10.43 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	550	U
62-75-9	N-nitroso-dimethylamine	550	U
62-53-3	Aniline	550	U
108-95-2	Phenol	550	U
111-44-4	bis(2-Chloroethyl)ether	550	U
95-57-8	2-Chlorophenol	550	U
541-73-1	1,3-Dichlorobenzene	550	U
106-46-7	1,4-Dichlorobenzene	550	U
100-51-6	Benzyl alcohol	550	U
95-50-1	1,2-Dichlorobenzene	550	U
	2-Methylphenol	550	U
108-60-1	bis(2-chloroisopropyl)ether	550	U
	4-Methylphenol	550	U
621-64-7	n-Nitroso-di-n-propylamine	550	U
67-72-1	Hexachloroethane	550	U
98-95-3	Nitrobenzene	550	U
78-59-1	Isophorone	550	U
88-75-5	2-Nitrophenol	550	U
105-67-9	2,4-Dimethylphenol	550	U
111-91-1	bis(2-Chloroethoxy)methane	550	U
120-83-2	2,4-Dichlorophenol	550	U
65-85-0	Benzoic Acid	550	U
120-82-1	1,2,4-Trichlorobenzene	550	U
91-20-3	Naphthalene	550	U
106-47-8	4-Chloroaniline	550	U
87-68-3	Hexachlorobutadiene	550	U
59-50-7	4-Chloro-3-methylphenol	550	U
91-57-6	2-Methylnaphthalene	550	U
77-47-4	Hexachlorocyclopentadiene	550	U
88-06-2	2,4,6-Trichlorophenol	550	U
	2,4,5-Trichlorophenol	550	U
91-58-7	2-Chloronaphthalene	550	U
88-74-4	2-Nitroaniline	550	U
131-11-3	Dimethylphthalate	550	U
208-96-8	Acenaphthylene	550	U
606-20-2	2,6-Dinitrotoluene	550	U
99-09-2	3-Nitroaniline	550	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-58

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.17

Sample wt/vol: 20.4 (g/ml) G Lab File ID: BN1325.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 10.43 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	550	U
51-28-5	2,4-Dinitrophenol	550	U
132-64-9	Dibenzofuran	550	U
100-02-7	4-Nitrophenol	550	U
121-14-2	2,4-Dinitrotoluene	550	U
84-66-2	Diethylphthalate	550	U
86-73-7	Fluorene	89	J
7005-72-3	4-Chlorophenyl-phenylether	550	U
100-01-6	4-Nitroaniline	550	U
534-52-1	4,6-Dinitro-2-methylphenol	550	U
86-30-6	n-Nitrosodiphenylamine	550	U
103-33-3	Azobenzene	550	U
101-55-3	4-Bromophenyl-phenylether	550	U
118-74-1	Hexachlorobenzene	550	U
87-86-5	Pentachlorophenol	550	U
85-01-8	Phenanthrene	980	
120-12-7	Anthracene	280	J
84-74-2	Di-n-butylphthalate	200	JB
206-44-0	Fluoranthene	1900	
92-87-5	Benzidine	550	U
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	550	U
56-55-3	Benzo[a]anthracene	920	
91-94-1	3,3'-Dichlorobenzidine	550	U
218-01-9	Chrysene	1300	
117-81-7	bis(2-Ethylhexyl)phthalate	97	JB
117-84-0	Di-n-octylphthalate	550	U
205-99-2	Benzo[b]fluoranthene	760	
207-08-9	Benzo[k]fluoranthene	710	
50-32-8	Benzo[a]pyrene	940	
193-39-5	Indeno[1,2,3-cd]pyrene	540	J
53-70-3	Dibenz[a,h]anthracene	420	J
191-24-2	Benzo[g,h,i]perylene	470	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-58

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.17

Sample wt/vol: 20.4 (g/ml) G Lab File ID: BN1325.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 10.43 decanted: (Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.90	860	JN
2. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.27	1300	JN
3. 000084-74-2	Dibutyl phthalate	19.25	2300	JN
4. 000192-97-2	Benzo[e]pyrene	27.64	540	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-59

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.19

Sample wt/vol: 20.12 (g/ml) G Lab File ID: BN1326.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 14.07 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	580	U
62-75-9	N-nitroso-dimethylamine	580	U
62-53-3	Aniline	580	U
108-95-2	Phenol	580	U
111-44-4	bis(2-Chloroethyl)ether	580	U
95-57-8	2-Chlorophenol	580	U
541-73-1	1,3-Dichlorobenzene	580	U
106-46-7	1,4-Dichlorobenzene	580	U
100-51-6	Benzyl alcohol	580	U
95-50-1	1,2-Dichlorobenzene	580	U
	2-Methylphenol	580	U
108-60-1	bis(2-chloroisopropyl)ether	580	U
	4-Methylphenol	580	U
621-64-7	n-Nitroso-di-n-propylamine	580	U
67-72-1	Hexachloroethane	580	U
98-95-3	Nitrobenzene	580	U
78-59-1	Isophorone	580	U
88-75-5	2-Nitrophenol	580	U
105-67-9	2,4-Dimethylphenol	580	U
111-91-1	bis(2-Chloroethoxy)methane	580	U
120-83-2	2,4-Dichlorophenol	580	U
65-85-0	Benzoic Acid	580	U
120-82-1	1,2,4-Trichlorobenzene	580	U
91-20-3	Naphthalene	580	U
106-47-8	4-Chloroaniline	580	U
87-68-3	Hexachlorobutadiene	580	U
59-50-7	4-Chloro-3-methylphenol	580	U
91-57-6	2-Methylnaphthalene	580	U
77-47-4	Hexachlorocyclopentadiene	580	U
88-06-2	2,4,6-Trichlorophenol	580	U
	2,4,5-Trichlorophenol	580	U
91-58-7	2-Chloronaphthalene	580	U
88-74-4	2-Nitroaniline	580	U
131-11-3	Dimethylphthalate	580	U
208-96-8	Acenaphthylene	580	U
606-20-2	2,6-Dinitrotoluene	580	U
99-09-2	3-Nitroaniline	580	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-59

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.19

Sample wt/vol: 20.12 (g/ml) G Lab File ID: BN1326.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 14.07 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	580	U
51-28-5	2,4-Dinitrophenol	580	U
132-64-9	Dibenzofuran	580	U
100-02-7	4-Nitrophenol	580	U
121-14-2	2,4-Dinitrotoluene	580	U
84-66-2	Diethylphthalate	580	U
86-73-7	Fluorene	580	U
7005-72-3	4-Chlorophenyl-phenylether	580	U
100-01-6	4-Nitroaniline	580	U
534-52-1	4,6-Dinitro-2-methylphenol	580	U
86-30-6	n-Nitrosodiphenylamine	580	U
103-33-3	Azobenzene	580	U
101-55-3	4-Bromophenyl-phenylether	580	U
118-74-1	Hexachlorobenzene	580	U
87-86-5	Pentachlorophenol	580	U
85-01-8	Phenanthrene	580	U
120-12-7	Anthracene	580	U
84-74-2	Di-n-butylphthalate	260	JB
206-44-0	Fluoranthene	100	J
92-87-5	Benzidine	580	U
129-00-0	Pyrene	90	J
85-68-7	Butylbenzylphthalate	580	U
56-55-3	Benzo[a]anthracene	67	J
91-94-1	3,3'-Dichlorobenzidine	580	U
218-01-9	Chrysene	110	J
117-81-7	bis(2-Ethylhexyl)phthalate	82	JB
117-84-0	Di-n-octylphthalate	580	U
205-99-2	Benzo[b]fluoranthene	580	U
207-08-9	Benzo[k]fluoranthene	110	J
50-32-8	Benzo[a]pyrene	85	J
193-39-5	Indeno[1,2,3-cd]pyrene	580	U
53-70-3	Dibenz[a,h]anthracene	580	U
191-24-2	Benzo[g,h,i]perylene	580	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-59

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.19

Sample wt/vol: 20.12 (g/ml) G Lab File ID: BN1326.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 14.07 decanted: (Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.90	730	JN
2. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.28	1200	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.25	2300	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-60**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.21

Sample wt/vol: 20.1 (g/ml) G Lab File ID: BN1327.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 18.23 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	610	U
62-75-9	N-nitroso-dimethylamine	610	U
62-53-3	Aniline	610	U
108-95-2	Phenol	610	U
111-44-4	bis(2-Chloroethyl)ether	610	U
95-57-8	2-Chlorophenol	610	U
541-73-1	1,3-Dichlorobenzene	610	U
106-46-7	1,4-Dichlorobenzene	610	U
100-51-6	Benzyl alcohol	610	U
95-50-1	1,2-Dichlorobenzene	610	U
	2-Methylphenol	610	U
108-60-1	bis(2-chloroisopropyl)ether	610	U
	4-Methylphenol	610	U
621-64-7	n-Nitroso-di-n-propylamine	610	U
67-72-1	Hexachloroethane	610	U
98-95-3	Nitrobenzene	610	U
78-59-1	Isophorone	610	U
88-75-5	2-Nitrophenol	610	U
105-67-9	2,4-Dimethylphenol	610	U
111-91-1	bis(2-Chloroethoxy)methane	610	U
120-83-2	2,4-Dichlorophenol	610	U
65-85-0	Benzoic Acid	610	U
120-82-1	1,2,4-Trichlorobenzene	610	U
91-20-3	Naphthalene	610	U
106-47-8	4-Chloroaniline	610	U
87-68-3	Hexachlorobutadiene	610	U
59-50-7	4-Chloro-3-methylphenol	610	U
91-57-6	2-Methylnaphthalene	610	U
77-47-4	Hexachlorocyclopentadiene	610	U
88-06-2	2,4,6-Trichlorophenol	610	U
	2,4,5-Trichlorophenol	610	U
91-58-7	2-Chloronaphthalene	610	U
88-74-4	2-Nitroaniline	610	U
131-11-3	Dimethylphthalate	610	U
208-96-8	Acenaphthylene	610	U
606-20-2	2,6-Dinitrotoluene	610	U
99-09-2	3-Nitroaniline	610	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-60

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.21

Sample wt/vol: 20.1 (g/ml) G Lab File ID: BN1327.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 18.23 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	610	U
51-28-5	2,4-Dinitrophenol	610	U
132-64-9	Dibenzofuran	610	U
100-02-7	4-Nitrophenol	610	U
121-14-2	2,4-Dinitrotoluene	610	U
84-66-2	Diethylphthalate	610	U
86-73-7	Fluorene	610	U
7005-72-3	4-Chlorophenyl-phenylether	610	U
100-01-6	4-Nitroaniline	610	U
534-52-1	4,6-Dinitro-2-methylphenol	610	U
86-30-6	n-Nitrosodiphenylamine	610	U
103-33-3	Azobenzene	610	U
101-55-3	4-Bromophenyl-phenylether	610	U
118-74-1	Hexachlorobenzene	610	U
87-86-5	Pentachlorophenol	610	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	610	U
84-74-2	Di-n-butylphthalate	240	JB
206-44-0	Fluoranthene	280	J
92-87-5	Benzidine	610	U
129-00-0	Pyrene	260	J
85-68-7	Butylbenzylphthalate	610	U
56-55-3	Benzo[a]anthracene	140	J
91-94-1	3,3'-Dichlorobenzidine	610	U
218-01-9	Chrysene	270	J
117-81-7	bis(2-Ethylhexyl)phthalate	140	JB
117-84-0	Di-n-octylphthalate	610	U
205-99-2	Benzo[b]fluoranthene	120	J
207-08-9	Benzo[k]fluoranthene	120	J
50-32-8	Benzo[a]pyrene	180	J
193-39-5	Indeno[1,2,3-cd]pyrene	610	U
53-70-3	Dibenz[a,h]anthracene	610	U
191-24-2	Benzo[g,h,i]perylene	130	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-60

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.21

Sample wt/vol: 20.1 (g/ml) G Lab File ID: BN1327.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 18.23 decanted: (Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 9 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.90	790	J
2. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.27	1300	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.25	1900	JN
4. 056554-90-6	13-Octadecenal	27.24	1900	JN
5. 006624-79-9	1-Dotriacontanol	27.67	3500	JN
6. 000638-66-4	Octadecanal	28.59	600	JN
7. 007098-22-8	Tetratetracontane	28.94	1500	JN
8. 000112-92-5	1-Octadecanol	29.01	690	JN
9. 000630-06-8	Hexatriacontane	30.37	1400	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-61**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.23

Sample wt/vol: 20.72 (g/ml) G Lab File ID: BN1328.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 15.85 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	570	U
62-75-9	N-nitroso-dimethylamine	570	U
62-53-3	Aniline	570	U
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
541-73-1	1,3-Dichlorobenzene	570	U
106-46-7	1,4-Dichlorobenzene	570	U
100-51-6	Benzyl alcohol	570	U
95-50-1	1,2-Dichlorobenzene	570	U
	2-Methylphenol	570	U
108-60-1	bis(2-chloroisopropyl)ether	570	U
	4-Methylphenol	570	U
621-64-7	n-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	570	U
91-20-3	Naphthalene	570	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	570	U
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
	2,4,5-Trichlorophenol	570	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	570	U
131-11-3	Dimethylphthalate	570	U
208-96-8	Acenaphthylene	570	U
606-20-2	2,6-Dinitrotoluene	570	U
99-09-2	3-Nitroaniline	570	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-61

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No. _____

Matrix: (soil/water) SOIL Lab Sample ID: 3408.23

Sample wt/vol: 20.72 (g/ml) G Lab File ID: BN1328.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 15.85 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	570	U
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	570	U
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	570	U
84-66-2	Diethylphthalate	570	U
86-73-7	Fluorene	570	U
7005-72-3	4-Chlorophenyl-phenylether	570	U
100-01-6	4-Nitroaniline	570	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	570	U
103-33-3	Azobenzene	570	U
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
87-86-5	Pentachlorophenol	570	U
85-01-8	Phenanthrene	230	J
120-12-7	Anthracene	570	U
84-74-2	Di-n-butylphthalate	260	JB
206-44-0	Fluoranthene	510	J
92-87-5	Benzidine	570	U
129-00-0	Pyrene	350	J
85-68-7	Butylbenzylphthalate	570	U
56-55-3	Benzo[a]anthracene	190	J
91-94-1	3,3'-Dichlorobenzidine	570	U
218-01-9	Chrysene	360	J
117-81-7	bis(2-Ethylhexyl)phthalate	83	JB
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo[b]fluoranthene	180	J
207-08-9	Benzo[k]fluoranthene	220	J
50-32-8	Benzo[a]pyrene	260	J
193-39-5	Indeno[1,2,3-cd]pyrene	170	J
53-70-3	Dibenz[a,h]anthracene	570	U
191-24-2	Benzo[g,h,i]perylene	570	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-61

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.23

Sample wt/vol: 20.72 (g/ml) G Lab File ID: BN1328.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 15.85 decanted: (Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.90	700	JN
2. 000539-90-2	Butanoic acid, 2-methylpropyl est	13.28	1300	JN
3. 017851-53-5	1,2-Benzenedicarboxylic acid, bu	19.26	2100	JN
4. 019047-85-9	Phosphonic acid, dioctadecyl est	26.25	580	JN
5. 000000-00-0	1-Hexacosanal	27.24	1800	JN
6. 006624-79-9	1-Dotriacontanol	27.68	2900	JN
7. 056554-90-6	13-Octadecenal	28.59	750	JN
8. 000000-00-0	10-Methylnonadecane	28.94	810	JN
9. 001454-84-8	1-Nonadecanol	29.01	630	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-62**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.25

Sample wt/vol: 20.18 (g/ml) G Lab File ID: BN1329.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 13.01 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	570	U
62-75-9	N-nitroso-dimethylamine	570	U
62-53-3	Aniline	570	U
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
541-73-1	1,3-Dichlorobenzene	570	U
106-46-7	1,4-Dichlorobenzene	570	U
100-51-6	Benzyl alcohol	570	U
95-50-1	1,2-Dichlorobenzene	570	U
	2-Methylphenol	570	U
108-60-1	bis(2-chloroisopropyl)ether	570	U
	4-Methylphenol	570	U
621-64-7	n-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	570	U
91-20-3	Naphthalene	570	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	570	U
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
	2,4,5-Trichlorophenol	570	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	570	U
131-11-3	Dimethylphthalate	570	U
208-96-8	Acenaphthylene	570	U
606-20-2	2,6-Dinitrotoluene	570	U
99-09-2	3-Nitroaniline	570	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-62

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.25

Sample wt/vol: 20.18 (g/ml) G Lab File ID: BN1329.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 13.01 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	570	U
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	570	U
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	570	U
84-66-2	Diethylphthalate	570	U
86-73-7	Fluorene	570	U
7005-72-3	4-Chlorophenyl-phenylether	570	U
100-01-6	4-Nitroaniline	570	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	570	U
103-33-3	Azobenzene	570	U
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
87-86-5	Pentachlorophenol	570	U
85-01-8	Phenanthrene	570	U
120-12-7	Anthracene	570	U
84-74-2	Di-n-butylphthalate	500	JB
206-44-0	Fluoranthene	570	U
92-87-5	Benzidine	570	U
129-00-0	Pyrene	570	U
85-68-7	Butylbenzylphthalate	570	U
56-55-3	Benzo[a]anthracene	570	U
91-94-1	3,3'-Dichlorobenzidine	570	U
218-01-9	Chrysene	570	U
117-81-7	bis(2-Ethylhexyl)phthalate	110	JB
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo[b]fluoranthene	570	U
207-08-9	Benzo[k]fluoranthene	570	U
50-32-8	Benzo[a]pyrene	570	U
193-39-5	Indeno[1,2,3-cd]pyrene	570	U
53-70-3	Dibenz[a,h]anthracene	570	U
191-24-2	Benzo[g,h,i]perylene	570	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-62

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.25

Sample wt/vol: 20.18 (g/ml) G Lab File ID: BN1329.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 13.01 decanted: (Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.90	730	J
2.	unknown	13.28	1300	J
3. 017851-53-5	1,2-Benzenedicarboxylic acid, bu	19.26	4000	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-63**

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.27

Sample wt/vol: 20.56 (g/ml) G Lab File ID: BN1330.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 10.75 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	540	U
62-75-9	N-nitroso-dimethylamine	540	U
62-53-3	Aniline	540	U
108-95-2	Phenol	540	U
111-44-4	bis(2-Chloroethyl)ether	540	U
95-57-8	2-Chlorophenol	540	U
541-73-1	1,3-Dichlorobenzene	540	U
106-46-7	1,4-Dichlorobenzene	540	U
100-51-6	Benzyl alcohol	540	U
95-50-1	1,2-Dichlorobenzene	540	U
	2-Methylphenol	540	U
108-60-1	bis(2-chloroisopropyl)ether	540	U
	4-Methylphenol	540	U
621-64-7	n-Nitroso-di-n-propylamine	540	U
67-72-1	Hexachloroethane	540	U
98-95-3	Nitrobenzene	540	U
78-59-1	Isophorone	540	U
88-75-5	2-Nitrophenol	540	U
105-67-9	2,4-Dimethylphenol	540	U
111-91-1	bis(2-Chloroethoxy)methane	540	U
120-83-2	2,4-Dichlorophenol	540	U
65-85-0	Benzoic Acid	540	U
120-82-1	1,2,4-Trichlorobenzene	540	U
91-20-3	Naphthalene	540	U
106-47-8	4-Chloroaniline	540	U
87-68-3	Hexachlorobutadiene	540	U
59-50-7	4-Chloro-3-methylphenol	540	U
91-57-6	2-Methylnaphthalene	540	U
77-47-4	Hexachlorocyclopentadiene	540	U
88-06-2	2,4,6-Trichlorophenol	540	U
	2,4,5-Trichlorophenol	540	U
91-58-7	2-Chloronaphthalene	540	U
88-74-4	2-Nitroaniline	540	U
131-11-3	Dimethylphthalate	540	U
208-96-8	Acenaphthylene	540	U
606-20-2	2,6-Dinitrotoluene	540	U
99-09-2	3-Nitroaniline	540	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-63

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.27

Sample wt/vol: 20.56 (g/ml) G Lab File ID: BN1330.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 10.75 decanted:(Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	540	U
51-28-5	2,4-Dinitrophenol	540	U
132-64-9	Dibenzofuran	540	U
100-02-7	4-Nitrophenol	540	U
121-14-2	2,4-Dinitrotoluene	540	U
84-66-2	Diethylphthalate	540	U
86-73-7	Fluorene	540	U
7005-72-3	4-Chlorophenyl-phenylether	540	U
100-01-6	4-Nitroaniline	540	U
534-52-1	4,6-Dinitro-2-methylphenol	540	U
86-30-6	n-Nitrosodiphenylamine	540	U
103-33-3	Azobenzene	540	U
101-55-3	4-Bromophenyl-phenylether	540	U
118-74-1	Hexachlorobenzene	540	U
87-86-5	Pentachlorophenol	540	U
85-01-8	Phenanthrene	540	U
120-12-7	Anthracene	540	U
84-74-2	Di-n-butylphthalate	490	JB
206-44-0	Fluoranthene	540	U
92-87-5	Benzidine	540	U
129-00-0	Pyrene	540	U
85-68-7	Butylbenzylphthalate	540	U
56-55-3	Benzo[a]anthracene	540	U
91-94-1	3,3'-Dichlorobenzidine	540	U
218-01-9	Chrysene	540	U
117-81-7	bis(2-Ethylhexyl)phthalate	120	JB
117-84-0	Di-n-octylphthalate	540	U
205-99-2	Benzo[b]fluoranthene	540	U
207-08-9	Benzo[k]fluoranthene	540	U
50-32-8	Benzo[a]pyrene	540	U
193-39-5	Indeno[1,2,3-cd]pyrene	540	U
53-70-3	Dibenz[a,h]anthracene	540	U
191-24-2	Benzo[g,h,i]perylene	540	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-63

Lab Name: FMETL Location: M-4

Cert. No. 13461 Case No.: 3408 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: 3408.27

Sample wt/vol: 20.56 (g/ml) G Lab File ID: BN1330.D

Level: (low/med) LOW Date Received: 03/13/98

% Moisture: 10.75 decanted: (Y/N) N Date Extracted: 03/19/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 12 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.90	820	JN
2. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	13.27	1400	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.26	4000	JN
4. 000000-00-0	1-Hexacosanal	27.23	4600	JN
5. 000112-88-9	1-Octadecene	27.67	6200	JN
6. 056554-90-6	13-Octadecenal	28.59	1900	JN
7. 000646-31-1	Tetracosane	28.94	2900	JN
8. 001454-84-8	1-Nonadecanol	29.01	1800	JN
9.	unknown	29.10	530	J
10.	unknown	29.69	670	J
11. 002765-11-9	Pentadecanal-	29.97	1100	JN
12. 000630-06-8	Hexatriacontane	30.36	1600	JN

METHOD BLANKS

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	BLK51
	DPW. SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	3/11/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/30/98
Analysis:	SW-846 Method 8080A	**Location :**	
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	100.00	0.0001	ND	NLE
beta-BHC	1	100.00	0.0001	ND	NLE
gamma-BHC	1	100.00	0.0001	ND	0.52
delta-BHC	1	100.00	0.0001	ND	NLE
Heptachlor	1	100.00	0.0001	ND	0.15
Aldrin	1	100.00	0.0001	ND	0.04
Heptachlor Epoxide	1	100.00	0.0001	ND	NLE
Endosulfan I	1	100.00	0.0001	ND	NLE
4,4'-DDE	1	100.00	0.0002	ND	2
Dieldrin	1	100.00	0.0001	ND	0.042
Endrin	1	100.00	0.0002	ND	17
Endosulfan II	1	100.00	0.0001	ND	NLE
4,4'-DDD	1	100.00	0.0003	ND	3
Endrin Aldehyde	1	100.00	0.0003	ND	NLE
4,4'-DDT	1	100.00	0.0001	ND	2
Endosulfan-Sulfate	1	100.00	0.0005	ND	NLE
gamma -Chlordane	1	100.00	0.0005	ND	NLE
alpha-Chlordane	1	100.00	0.0005	ND	NLE
Toxaphene	1	100.00	0.0091	ND	0.1
Arochlor 1016	1	100.00	0.0321	ND	0.49
Arochlor 1221	1	100.00	0.0250	ND	0.49
Arochlor 1232	1	100.00	0.0250	ND	0.49
Arochlor 1242	1	100.00	0.0141	ND	0.49
Arochlor 1248	1	100.00	0.0250	ND	0.49
Arochlor 1254	1	100.00	0.0250	ND	0.49
Arochlor 1260	1	100.00	0.0340	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	BLK52
	DPW. SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	100.00	0.0001	ND	NLE
beta-BHC	1	100.00	0.0001	ND	NLE
gamma-BHC	1	100.00	0.0001	ND	0.52
delta-BHC	1	100.00	0.0001	ND	NLE
Heptachlor	1	100.00	0.0001	ND	0.15
Aldrin	1	100.00	0.0001	ND	0.04
Heptachlor Epoxide	1	100.00	0.0001	ND	NLE
Endosulfan I	1	100.00	0.0001	ND	NLE
4,4'-DDE	1	100.00	0.0002	ND	2
Dieldrin	1	100.00	0.0001	ND	0.042
Endrin	1	100.00	0.0002	ND	17
Endosulfan II	1	100.00	0.0001	ND	NLE
4,4'-DDD	1	100.00	0.0003	ND	3
Endrin Aldehyde	1	100.00	0.0003	ND	NLE
4,4'-DDT	1	100.00	0.0001	ND	2
Endosulfan-Sulfate	1	100.00	0.0005	ND	NLE
gamma -Chlordane	1	100.00	0.0005	ND	NLE
alpha-Chlordane	1	100.00	0.0005	ND	NLE
Toxaphene	1	100.00	0.0091	ND	0.1
Arochlor 1016	1	100.00	0.0321	ND	0.49
Arochlor 1221	1	100.00	0.0250	ND	0.49
Arochlor 1232	1	100.00	0.0250	ND	0.49
Arochlor 1242	1	100.00	0.0141	ND	0.49
Arochlor 1248	1	100.00	0.0250	ND	0.49
Arochlor 1254	1	100.00	0.0250	ND	0.49
Arochlor 1260	1	100.00	0.0340	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	BLK53
	DPW. SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/1/98
Analysis:	SW-846 Method 8080A	**Location :**	
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	100.00	0.0001	ND	NLE
beta-BHC	1	100.00	0.0001	ND	NLE
gamma-BHC	1	100.00	0.0001	ND	0.52
delta-BHC	1	100.00	0.0001	ND	NLE
Heptachlor	1	100.00	0.0001	ND	0.15
Aldrin	1	100.00	0.0001	ND	0.04
Heptachlor Epoxide	1	100.00	0.0001	ND	NLE
Endosulfan I	1	100.00	0.0001	ND	NLE
4,4'-DDE	1	100.00	0.0002	ND	2
Dieldrin	1	100.00	0.0001	ND	0.042
Endrin	1	100.00	0.0002	ND	17
Endosulfan II	1	100.00	0.0001	ND	NLE
4,4'-DDD	1	100.00	0.0003	ND	3
Endrin Aldehyde	1	100.00	0.0003	ND	NLE
4,4'-DDT	1	100.00	0.0001	ND	2
Endosulfan-Sulfate	1	100.00	0.0005	ND	NLE
gamma -Chlordane	1	100.00	0.0005	ND	NLE
alpha-Chlordane	1	100.00	0.0005	ND	NLE
Toxaphene	1	100.00	0.0091	ND	0.1
Arochlor 1016	1	100.00	0.0321	ND	0.49
Arochlor 1221	1	100.00	0.0250	ND	0.49
Arochlor 1232	1	100.00	0.0250	ND	0.49
Arochlor 1242	1	100.00	0.0141	ND	0.49
Arochlor 1248	1	100.00	0.0250	ND	0.49
Arochlor 1254	1	100.00	0.0250	ND	0.49
Arochlor 1260	1	100.00	0.0340	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	BLK55
	DPW. SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98
Analysis:	SW-846 Method 8080A	**Location :**	
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	100.00	0.0001	ND	NLE
beta-BHC	1	100.00	0.0001	ND	NLE
gamma-BHC	1	100.00	0.0001	ND	0.52
delta-BHC	1	100.00	0.0001	ND	NLE
Heptachlor	1	100.00	0.0001	ND	0.15
Aldrin	1	100.00	0.0001	ND	0.04
Heptachlor Epoxide	1	100.00	0.0001	ND	NLE
Endosulfan I	1	100.00	0.0001	ND	NLE
4,4'-DDE	1	100.00	0.0002	ND	2
Dieldrin	1	100.00	0.0001	ND	0.042
Endrin	1	100.00	0.0002	ND	17
Endosulfan II	1	100.00	0.0001	ND	NLE
4,4'-DDD	1	100.00	0.0003	ND	3
Endrin Aldehyde	1	100.00	0.0003	ND	NLE
4,4'-DDT	1	100.00	0.0001	ND	2
Endosulfan-Sulfate	1	100.00	0.0005	ND	NLE
gamma -Chlordane	1	100.00	0.0005	ND	NLE
alpha-Chlordane	1	100.00	0.0005	ND	NLE
Toxaphene	1	100.00	0.0091	ND	0.1
Arochlor 1016	1	100.00	0.0321	ND	0.49
Arochlor 1221	1	100.00	0.0250	ND	0.49
Arochlor 1232	1	100.00	0.0250	ND	0.49
Arochlor 1242	1	100.00	0.0141	ND	0.49
Arochlor 1248	1	100.00	0.0250	ND	0.49
Arochlor 1254	1	100.00	0.0250	ND	0.49
Arochlor 1260	1	100.00	0.0340	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

000497

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	BLK62
	DPW. SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	3/30/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/12/98
Analysis:	SW-846 Method 8080A	**Location :**	
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	100.00	0.0001	ND	NLE
beta-BHC	1	100.00	0.0001	ND	NLE
gamma-BHC	1	100.00	0.0001	ND	0.52
delta-BHC	1	100.00	0.0001	ND	NLE
Heptachlor	1	100.00	0.0001	ND	0.15
Aldrin	1	100.00	0.0001	ND	0.04
Heptachlor Epoxide	1	100.00	0.0001	ND	NLE
Endosulfan I	1	100.00	0.0001	ND	NLE
4,4'-DDE	1	100.00	0.0002	ND	2
Dieldrin	1	100.00	0.0001	ND	0.042
Endrin	1	100.00	0.0002	ND	17
Endosulfan II	1	100.00	0.0001	ND	NLE
4,4'-DDD	1	100.00	0.0003	ND	3
Endrin Aldehyde	1	100.00	0.0003	ND	NLE
4,4'-DDT	1	100.00	0.0001	ND	2
Endosulfan-Sulfate	1	100.00	0.0005	ND	NLE
gamma -Chlordane	1	100.00	0.0005	ND	NLE
alpha-Chlordane	1	100.00	0.0005	ND	NLE
Toxaphene	1	100.00	0.0091	ND	0.1
Arochlor 1016	1	100.00	0.0321	ND	0.49
Arochlor 1221	1	100.00	0.0250	ND	0.49
Arochlor 1232	1	100.00	0.0250	ND	0.49
Arochlor 1242	1	100.00	0.0141	ND	0.49
Arochlor 1248	1	100.00	0.0250	ND	0.49
Arochlor 1254	1	100.00	0.0250	ND	0.49
Arochlor 1260	1	100.00	0.0340	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

FIELD DUPLICATES

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3399.29
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/11/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/1/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	FIELD DUP #1

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.63	0.0001	ND	NLE
beta-BHC	1	85.63	0.0001	ND	NLE
gamma-BHC	1	85.63	0.0001	ND	0.52
delta-BHC	1	85.63	0.0002	ND	NLE
Heptachlor	1	85.63	0.0001	ND	0.15
Aldrin	1	85.63	0.0002	ND	0.04
Heptachlor Epoxide	1	85.63	0.0001	ND	NLE
Endosulfan I	1	85.63	0.0001	ND	NLE
4,4'-DDE	4	85.63	0.0007	0.068	2
Dieldrin	1	85.63	0.0001	ND	0.042
Endrin	1	85.63	0.0002	ND	17
Endosulfan II	1	85.63	0.0001	ND	NLE
4,4'-DDD	4	85.63	0.0014	0.080	3
Endrin Aldehyde	1	85.63	0.0003	ND	NLE
4,4'-DDT	4	85.63	0.0003	0.071	2
Endosulfan-Sulfate	1	85.63	0.0005	ND	NLE
gamma -Chlordane	1	85.63	0.0005	ND	NLE
alpha-Chlordane	1	85.63	0.0005	ND	NLE
Toxaphene	1	85.63	0.0099	ND	0.1
Arochlor 1016	1	85.63	0.0349	ND	0.49
Arochlor 1221	1	85.63	0.0272	ND	0.49
Arochlor 1232	1	85.63	0.0272	ND	0.49
Arochlor 1242	1	85.63	0.0153	ND	0.49
Arochlor 1248	1	85.63	0.0272	ND	0.49
Arochlor 1254	1	85.63	0.0272	ND	0.49
Arochlor 1260	1	85.63	0.0370	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3403.37
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/12/98
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	FIELD DUP #2

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	81.00	0.0001	ND	NLE
beta-BHC	1	81.00	0.0002	ND	NLE
gamma-BHC	1	81.00	0.0002	ND	0.52
delta-BHC	1	81.00	0.0002	ND	NLE
Heptachlor	1	81.00	0.0002	ND	0.15
Aldrin	1	81.00	0.0002	ND	0.04
Heptachlor Epoxide	1	81.00	0.0001	ND	NLE
Endosulfan I	1	81.00	0.0001	ND	NLE
4,4'-DDE	4	81.00	0.0008	0.028	2
Dieldrin	1	81.00	0.0001	ND	0.042
Endrin	1	81.00	0.0002	ND	17
Endosulfan II	1	81.00	0.0002	ND	NLE
4,4'-DDD	4	81.00	0.0016	0.008	3
Endrin Aldehyde	1	81.00	0.0003	ND	NLE
4,4'-DDT	4	81.00	0.0004	0.014	2
Endosulfan-Sulfate	1	81.00	0.0006	ND	NLE
gamma -Chlordane	1	81.00	0.0006	ND	NLE
alpha-Chlordane	1	81.00	0.0006	ND	NLE
Toxaphene	1	81.00	0.0110	ND	0.1
Arochlor 1016	1	81.00	0.0389	ND	0.49
Arochlor 1221	1	81.00	0.0303	ND	0.49
Arochlor 1232	1	81.00	0.0303	ND	0.49
Arochlor 1242	1	81.00	0.0171	ND	0.49
Arochlor 1248	1	81.00	0.0303	ND	0.49
Arochlor 1254	1	81.00	0.0303	ND	0.49
Arochlor 1260	1	81.00	0.0413	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3408.29
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/13/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/3/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	Field Dup #3

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.67	0.0001	ND	NLE
beta-BHC	1	84.67	0.0001	ND	NLE
gamma-BHC	1	84.67	0.0001	ND	0.52
delta-BHC	1	84.67	0.0002	ND	NLE
Heptachlor	1	84.67	0.0002	ND	0.15
Aldrin	1	84.67	0.0002	ND	0.04
Heptachlor Epoxide	1	84.67	0.0001	ND	NLE
Endosulfan I	1	84.67	0.0001	ND	NLE
4,4'-DDE	20	84.67	0.0039	0.238	2
Dieldrin	1	84.67	0.0001	ND	0.042
Endrin	1	84.67	0.0002	ND	17
Endosulfan II	1	84.67	0.0002	ND	NLE
4,4'-DDD	20	84.67	0.0076	0.227	3
Endrin Aldehyde	1	84.67	0.0003	ND	NLE
4,4'-DDT	20	84.67	0.0017	0.064	2
Endosulfan-Sulfate	1	84.67	0.0006	ND	NLE
gamma -Chlordane	1	84.67	0.0006	ND	NLE
alpha-Chlordane	1	84.67	0.0006	ND	NLE
Toxaphene	1	84.67	0.0104	ND	0.1
Arochlor 1016	1	84.67	0.0368	ND	0.49
Arochlor 1221	1	84.67	0.0287	ND	0.49
Arochlor 1232	1	84.67	0.0287	ND	0.49
Arochlor 1242	1	84.67	0.0162	ND	0.49
Arochlor 1248	1	84.67	0.0287	ND	0.49
Arochlor 1254	1	84.67	0.0287	ND	0.49
Arochlor 1260	1	84.67	0.0390	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

000502

SAMPLES

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3396.01
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/9/98
	Bldg. 173	**Extraction Date:**	3/11/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-1

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	83.51	0.0001	ND	NLE
beta-BHC	1	83.51	0.0002	ND	NLE
gamma-BHC	1	83.51	0.0002	ND	0.52
delta-BHC	1	83.51	0.0002	ND	NLE
Heptachlor	1	83.51	0.0002	ND	0.15
Aldrin	1	83.51	0.0002	ND	0.04
Heptachlor Epoxide	1	83.51	0.0001	ND	NLE
Endosulfan I	1	83.51	0.0001	ND	NLE
4,4'-DDE	10	83.51	0.0020	0.093	2
Dieldrin	1	83.51	0.0001	ND	0.042
Endrin	1	83.51	0.0002	ND	17
Endosulfan II	1	83.51	0.0002	ND	NLE
4,4'-DDD	10	83.51	0.0039	ND	3
Endrin Aldehyde	1	83.51	0.0003	ND	NLE
4,4'-DDT	10	83.51	0.0009	0.168	2
Endosulfan-Sulfate	1	83.51	0.0006	ND	NLE
gamma -Chlordane	1	83.51	0.0006	ND	NLE
alpha-Chlordane	1	83.51	0.0006	ND	NLE
Toxaphene	1	83.51	0.0106	ND	0.1
Arochlor 1016	1	83.51	0.0375	ND	0.49
Arochlor 1221	1	83.51	0.0292	ND	0.49
Arochlor 1232	1	83.51	0.0292	ND	0.49
Arochlor 1242	1	83.51	0.0165	ND	0.49
Arochlor 1248	1	83.51	0.0292	ND	0.49
Arochlor 1254	1	83.51	0.0292	ND	0.49
Arochlor 1260	1	83.51	0.0397	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3396.03
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/9/98
	Bldg. 173	**Extraction Date:**	3/11/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98

Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-2

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	88.05	0.0001	ND	NLE
beta-BHC	1	88.05	0.0001	ND	NLE
gamma-BHC	1	88.05	0.0001	ND	0.52
delta-BHC	1	88.05	0.0002	ND	NLE
Heptachlor	1	88.05	0.0002	ND	0.15
Aldrin	1	88.05	0.0002	ND	0.04
Heptachlor Epoxide	1	88.05	0.0001	ND	NLE
Endosulfan I	1	88.05	0.0001	ND	NLE
4,4'-DDE	50	88.05	0.0097	0.213	2
Dieldrin	1	88.05	0.0001	ND	0.042
Endrin	1	88.05	0.0002	ND	17
Endosulfan II	1	88.05	0.0002	ND	NLE
4,4'-DDD	50	88.05	0.0188	0.040	3
Endrin Aldehyde	1	88.05	0.0003	ND	NLE
4,4'-DDT	50	88.05	0.0043	0.035	2
Endosulfan-Sulfate	1	88.05	0.0006	ND	NLE
gamma -Chlordane	1	88.05	0.0006	ND	NLE
alpha-Chlordane	1	88.05	0.0006	ND	NLE
Toxaphene	1	88.05	0.0104	ND	0.1
Arochlor 1016	1	88.05	0.0367	ND	0.49
Arochlor 1221	1	88.05	0.0285	ND	0.49
Arochlor 1232	1	88.05	0.0285	ND	0.49
Arochlor 1242	1	88.05	0.0161	ND	0.49
Arochlor 1248	1	88.05	0.0285	ND	0.49
Arochlor 1254	1	88.05	0.0285	ND	0.49
Arochlor 1260	1	88.05	0.0388	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3396.05
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/9/98
	Bldg. 173	**Extraction Date:**	3/11/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-3

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	87.31	0.0001	ND	NLE
beta-BHC	1	87.31	0.0001	ND	NLE
gamma-BHC	1	87.31	0.0001	ND	0.52
delta-BHC	1	87.31	0.0002	ND	NLE
Heptachlor	1	87.31	0.0002	ND	0.15
Aldrin	1	87.31	0.0002	ND	0.04
Heptachlor Epoxide	1	87.31	0.0001	ND	NLE
Endosulfan I	1	87.31	0.0001	ND	NLE
4,4'-DDE	50	87.31	0.0095	0.162	2
Dieldrin	1	87.31	0.0001	ND	0.042
Endrin	1	87.31	0.0002	ND	17
Endosulfan II	1	87.31	0.0002	ND	NLE
4,4'-DDD	50	87.31	0.0183	0.040	3
Endrin Aldehyde	1	87.31	0.0003	ND	NLE
4,4'-DDT	50	87.31	0.0042	0.034	2
Endosulfan-Sulfate	1	87.31	0.0005	ND	NLE
gamma -Chlordane	1	87.31	0.0006	ND	NLE
alpha-Chlordane	1	87.31	0.0006	ND	NLE
Toxaphene	1	87.31	0.0101	ND	0.1
Arochlor 1016	1	87.31	0.0357	ND	0.49
Arochlor 1221	1	87.31	0.0278	ND	0.49
Arochlor 1232	1	87.31	0.0278	ND	0.49
Arochlor 1242	1	87.31	0.0157	ND	0.49
Arochlor 1248	1	87.31	0.0278	ND	0.49
Arochlor 1254	1	87.31	0.0278	ND	0.49
Arochlor 1260	1	87.31	0.0378	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

000506

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3398.01
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/10/98
	Bldg. 173	**Extraction Date:**	3/11/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-4

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.09	0.0001	ND	NLE
beta-BHC	1	89.09	0.0001	ND	NLE
gamma-BHC	1	89.09	0.0001	ND	0.52
delta-BHC	1	89.09	0.0002	ND	NLE
Heptachlor	1	89.09	0.0001	ND	0.15
Aldrin	1	89.09	0.0002	ND	0.04
Heptachlor Epoxide	1	89.09	0.0001	ND	NLE
Endosulfan I	1	89.09	0.0001	ND	NLE
4,4'-DDE	10	89.09	0.0018	0.105	2
Dieldrin	1	89.09	0.0001	ND	0.042
Endrin	1	89.09	0.0002	ND	17
Endosulfan II	1	89.09	0.0001	ND	NLE
4,4'-DDD	10	89.09	0.0036	0.043	3
Endrin Aldehyde	1	89.09	0.0003	ND	NLE
4,4'-DDT	10	89.09	0.0008	0.034	2
Endosulfan-Sulfate	1	89.09	0.0005	ND	NLE
gamma -Chlordane	1	89.09	0.0005	ND	NLE
alpha-Chlordane	1	89.09	0.0005	ND	NLE
Toxaphene	1	89.09	0.0099	ND	0.1
Arochlor 1016	1	89.09	0.0348	ND	0.49
Arochlor 1221	1	89.09	0.0271	ND	0.49
Arochlor 1232	1	89.09	0.0271	ND	0.49
Arochlor 1242	1	89.09	0.0153	ND	0.49
Arochlor 1248	1	89.09	0.0271	ND	0.49
Arochlor 1254	1	89.09	0.0271	ND	0.49
Arochlor 1260	1	89.09	0.0369	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3398.03
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/10/98
	Bldg. 173	**Extraction Date:**	3/11/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-5

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	87.42	0.0001	ND	NLE
beta-BHC	1	87.42	0.0001	ND	NLE
gamma-BHC	1	87.42	0.0001	ND	0.52
delta-BHC	1	87.42	0.0002	ND	NLE
Heptachlor	1	87.42	0.0001	ND	0.15
Aldrin	1	87.42	0.0002	ND	0.04
Heptachlor Epoxide	1	87.42	0.0001	ND	NLE
Endosulfan I	1	87.42	0.0001	ND	NLE
4,4'-DDE	4	87.42	0.0007	0.042	2
Dieldrin	1	87.42	0.0001	ND	0.042
Endrin	1	87.42	0.0002	ND	17
Endosulfan II	1	87.42	0.0001	ND	NLE
4,4'-DDD	1	87.42	0.0004	ND	3
Endrin Aldehyde	1	87.42	0.0003	ND	NLE
4,4'-DDT	4	87.42	0.0003	0.041	2
Endosulfan-Sulfate	1	87.42	0.0005	ND	NLE
gamma -Chlordane	1	87.42	0.0005	ND	NLE
alpha-Chlordane	1	87.42	0.0005	ND	NLE
Toxaphene	1	87.42	0.0099	ND	0.1
Arochlor 1016	1	87.42	0.0350	ND	0.49
Arochlor 1221	1	87.42	0.0273	ND	0.49
Arochlor 1232	1	87.42	0.0273	ND	0.49
Arochlor 1242	1	87.42	0.0154	ND	0.49
Arochlor 1248	1	87.42	0.0273	ND	0.49
Arochlor 1254	1	87.42	0.0273	ND	0.49
Arochlor 1260	1	87.42	0.0371	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3398.05
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/10/98
	Bldg. 173	**Extraction Date:**	3/11/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-6

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.69	0.0001	ND	NLE
beta-BHC	1	85.69	0.0002	ND	NLE
gamma-BHC	1	85.69	0.0002	ND	0.52
delta-BHC	1	85.69	0.0002	ND	NLE
Heptachlor	1	85.69	0.0002	ND	0.15
Aldrin	1	85.69	0.0002	ND	0.04
Heptachlor Epoxide	1	85.69	0.0001	ND	NLE
Endosulfan I	1	85.69	0.0001	ND	NLE
4,4'-DDE	50	85.69	0.0100	0.190	2
Dieldrin	1	85.69	0.0001	ND	0.042
Endrin	1	85.69	0.0002	ND	17
Endosulfan II	1	85.69	0.0002	ND	NLE
4,4'-DDD	50	85.69	0.0194	0.038	3
Endrin Aldehyde	1	85.69	0.0003	ND	NLE
4,4'-DDT	50	85.69	0.0044	0.059	2
Endosulfan-Sulfate	1	85.69	0.0006	ND	NLE
gamma -Chlordane	1	85.69	0.0006	ND	NLE
alpha-Chlordane	1	85.69	0.0006	ND	NLE
Toxaphene	1	85.69	0.0107	ND	0.1
Arochlor 1016	1	85.69	0.0377	ND	0.49
Arochlor 1221	1	85.69	0.0294	ND	0.49
Arochlor 1232	1	85.69	0.0294	ND	0.49
Arochlor 1242	1	85.69	0.0166	ND	0.49
Arochlor 1248	1	85.69	0.0294	ND	0.49
Arochlor 1254	1	85.69	0.0294	ND	0.49
Arochlor 1260	1	85.69	0.0399	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3398.07
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/10/98
	Bldg. 173	**Extraction Date:**	3/11/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-7

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	86.90	0.0001	ND	NLE
beta-BHC	1	86.90	0.0001	ND	NLE
gamma-BHC	1	86.90	0.0001	ND	0.52
delta-BHC	1	86.90	0.0002	ND	NLE
Heptachlor	1	86.90	0.0002	ND	0.15
Aldrin	1	86.90	0.0002	ND	0.04
Heptachlor Epoxide	1	86.90	0.0001	ND	NLE
Endosulfan I	1	86.90	0.0001	ND	NLE
4,4'-DDE	4	86.90	0.0008	0.008	2
Dieldrin	1	86.90	0.0001	ND	0.042
Endrin	1	86.90	0.0002	ND	17
Endosulfan II	1	86.90	0.0002	ND	NLE
4,4'-DDD	1	86.90	0.0004	ND	3
Endrin Aldehyde	1	86.90	0.0003	ND	NLE
4,4'-DDT	1	86.90	0.0001	ND	2
Endosulfan-Sulfate	1	86.90	0.0006	ND	NLE
gamma -Chlordane	1	86.90	0.0006	ND	NLE
alpha-Chlordane	1	86.90	0.0006	ND	NLE
Toxaphene	1	86.90	0.0103	ND	0.1
Arochlor 1016	1	86.90	0.0364	ND	0.49
Arochlor 1221	1	86.90	0.0284	ND	0.49
Arochlor 1232	1	86.90	0.0284	ND	0.49
Arochlor 1242	1	86.90	0.0160	ND	0.49
Arochlor 1248	1	86.90	0.0284	ND	0.49
Arochlor 1254	1	86.90	0.0284	ND	0.49
Arochlor 1260	1	86.90	0.0386	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3398.09
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/10/98
	Bldg. 173	**Extraction Date:**	3/11/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-8

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	91.50	0.0001	ND	NLE
beta-BHC	1	91.50	0.0001	ND	NLE
gamma-BHC	1	91.50	0.0001	ND	0.52
delta-BHC	1	91.50	0.0002	ND	NLE
Heptachlor	1	91.50	0.0001	ND	0.15
Aldrin	1	91.50	0.0002	ND	0.04
Heptachlor Epoxide	1	91.50	0.0001	ND	NLE
Endosulfan I	1	91.50	0.0001	ND	NLE
4,4'-DDE	4	91.50	0.0007	0.007	2
Dieldrin	1	91.50	0.0001	ND	0.042
Endrin	1	91.50	0.0002	ND	17
Endosulfan II	1	91.50	0.0001	ND	NLE
4,4'-DDD	1	91.50	0.0004	ND	3
Endrin Aldehyde	1	91.50	0.0003	ND	NLE
4,4'-DDT	4	91.50	0.0003	0.005	2
Endosulfan-Sulfate	1	91.50	0.0005	ND	NLE
gamma -Chlordane	1	91.50	0.0005	ND	NLE
alpha-Chlordane	1	91.50	0.0005	ND	NLE
Toxaphene	1	91.50	0.0099	ND	0.1
Arochlor 1016	1	91.50	0.0350	ND	0.49
Arochlor 1221	1	91.50	0.0272	ND	0.49
Arochlor 1232	1	91.50	0.0272	ND	0.49
Arochlor 1242	1	91.50	0.0154	ND	0.49
Arochlor 1248	1	91.50	0.0272	ND	0.49
Arochlor 1254	1	91.50	0.0272	ND	0.49
Arochlor 1260	1	91.50	0.0370	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3398.11
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/10/98
	Bldg. 173	**Extraction Date:**	3/11/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-9

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	86.71	0.0001	ND	NLE
beta-BHC	1	86.71	0.0001	ND	NLE
gamma-BHC	1	86.71	0.0001	ND	0.52
delta-BHC	1	86.71	0.0002	ND	NLE
Heptachlor	1	86.71	0.0002	ND	0.15
Aldrin	1	86.71	0.0002	ND	0.04
Heptachlor Epoxide	1	86.71	0.0001	ND	NLE
Endosulfan I	1	86.71	0.0001	ND	NLE
4,4'-DDE	4	86.71	0.0008	0.024	2
Dieldrin	1	86.71	0.0001	ND	0.042
Endrin	1	86.71	0.0002	ND	17
Endosulfan II	1	86.71	0.0002	ND	NLE
4,4'-DDD	1	86.71	0.0004	ND	3
Endrin Aldehyde	1	86.71	0.0003	ND	NLE
4,4'-DDT	4	86.71	0.0003	0.061	2
Endosulfan-Sulfate	1	86.71	0.0006	ND	NLE
gamma -Chlordane	1	86.71	0.0006	ND	NLE
alpha-Chlordane	1	86.71	0.0006	ND	NLE
Toxaphene	1	86.71	0.0105	ND	0.1
Arochlor 1016	1	86.71	0.0370	ND	0.49
Arochlor 1221	1	86.71	0.0288	ND	0.49
Arochlor 1232	1	86.71	0.0288	ND	0.49
Arochlor 1242	1	86.71	0.0162	ND	0.49
Arochlor 1248	1	86.71	0.0288	ND	0.49
Arochlor 1254	1	86.71	0.0288	ND	0.49
Arochlor 1260	1	86.71	0.0392	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

000512

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3398.13
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/10/98
	Bldg. 173	**Extraction Date:**	3/11/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-10

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.21	0.0001	ND	NLE
beta-BHC	1	89.21	0.0001	ND	NLE
gamma-BHC	1	89.21	0.0001	ND	0.52
delta-BHC	1	89.21	0.0002	ND	NLE
Heptachlor	1	89.21	0.0002	ND	0.15
Aldrin	1	89.21	0.0002	ND	0.04
Heptachlor Epoxide	1	89.21	0.0001	ND	NLE
Endosulfan I	1	89.21	0.0001	ND	NLE
4,4'-DDE	100	89.21	0.0189	0.199	2
Dieldrin	1	89.21	0.0001	ND	0.042
Endrin	1	89.21	0.0002	ND	17
Endosulfan II	1	89.21	0.0002	ND	NLE
4,4'-DDD	100	89.21	0.0368	0.051	3
Endrin Aldehyde	1	89.21	0.0003	ND	NLE
4,4'-DDT	100	89.21	0.0084	0.059	2
Endosulfan-Sulfate	1	89.21	0.0005	ND	NLE
gamma -Chlordane	1	89.21	0.0006	ND	NLE
alpha-Chlordane	1	89.21	0.0006	ND	NLE
Toxaphene	1	89.21	0.0101	ND	0.1
Arochlor 1016	1	89.21	0.0358	ND	0.49
Arochlor 1221	1	89.21	0.0278	ND	0.49
Arochlor 1232	1	89.21	0.0278	ND	0.49
Arochlor 1242	1	89.21	0.0157	ND	0.49
Arochlor 1248	1	89.21	0.0278	ND	0.49
Arochlor 1254	1	89.21	0.0278	ND	0.49
Arochlor 1260	1	89.21	0.0379	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3398.15
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/10/98
	Bldg. 173	**Extraction Date:**	3/11/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98

Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-11

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.20	0.0001	ND	NLE
beta-BHC	1	89.20	0.0001	ND	NLE
gamma-BHC	1	89.20	0.0001	ND	0.52
delta-BHC	1	89.20	0.0002	ND	NLE
Heptachlor	1	89.20	0.0001	ND	0.15
Aldrin	1	89.20	0.0002	ND	0.04
Heptachlor Epoxide	1	89.20	0.0001	ND	NLE
Endosulfan I	1	89.20	0.0001	ND	NLE
4,4'-DDE	10	89.20	0.0019	0.061	2
Dieldrin	1	89.20	0.0001	ND	0.042
Endrin	1	89.20	0.0002	ND	17
Endosulfan II	1	89.20	0.0001	ND	NLE
4,4'-DDD	10	89.20	0.0036	0.036	3
Endrin Aldehyde	1	89.20	0.0003	ND	NLE
4,4'-DDT	10	89.20	0.0008	0.042	2
Endosulfan-Sulfate	1	89.20	0.0005	ND	NLE
gamma -Chlordane	1	89.20	0.0005	ND	NLE
alpha-Chlordane	1	89.20	0.0005	ND	NLE
Toxaphene	1	89.20	0.0099	ND	0.1
Arochlor 1016	1	89.20	0.0350	ND	0.49
Arochlor 1221	1	89.20	0.0273	ND	0.49
Arochlor 1232	1	89.20	0.0273	ND	0.49
Arochlor 1242	1	89.20	0.0154	ND	0.49
Arochlor 1248	1	89.20	0.0273	ND	0.49
Arochlor 1254	1	89.20	0.0273	ND	0.49
Arochlor 1260	1	89.20	0.0371	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3398.17
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/10/98
	Bldg. 173	**Extraction Date:**	3/11/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-12

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.92	0.0001	ND	NLE
beta-BHC	1	84.92	0.0002	ND	NLE
gamma-BHC	1	84.92	0.0002	ND	0.52
delta-BHC	1	84.92	0.0002	ND	NLE
Heptachlor	1	84.92	0.0002	ND	0.15
Aldrin	1	84.92	0.0002	ND	0.04
Heptachlor Epoxide	1	84.92	0.0001	ND	NLE
Endosulfan I	1	84.92	0.0001	ND	NLE
4,4'-DDE	20	84.92	0.0040	0.081	2
Dieldrin	1	84.92	0.0001	ND	0.042
Endrin	1	84.92	0.0002	ND	17
Endosulfan II	1	84.92	0.0002	ND	NLE
4,4'-DDD	20	84.92	0.0077	0.086	3
Endrin Aldehyde	1	84.92	0.0003	ND	NLE
4,4'-DDT	20	84.92	0.0018	0.119	2
Endosulfan-Sulfate	1	84.92	0.0006	ND	NLE
gamma -Chlordane	1	84.92	0.0006	ND	NLE
alpha-Chlordane	1	84.92	0.0006	ND	NLE
Toxaphene	1	84.92	0.0107	ND	0.1
Arochlor 1016	1	84.92	0.0376	ND	0.49
Arochlor 1221	1	84.92	0.0293	ND	0.49
Arochlor 1232	1	84.92	0.0293	ND	0.49
Arochlor 1242	1	84.92	0.0165	ND	0.49
Arochlor 1248	1	84.92	0.0293	ND	0.49
Arochlor 1254	1	84.92	0.0293	ND	0.49
Arochlor 1260	1	84.92	0.0398	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3399.01
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/11/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-13

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.17	0.0001	ND	NLE
beta-BHC	1	84.17	0.0002	ND	NLE
gamma-BHC	1	84.17	0.0002	ND	0.52
delta-BHC	1	84.17	0.0002	ND	NLE
Heptachlor	1	84.17	0.0002	ND	0.15
Aldrin	1	84.17	0.0002	ND	0.04
Heptachlor Epoxide	1	84.17	0.0001	ND	NLE
Endosulfan I	1	84.17	0.0001	ND	NLE
4,4'-DDE	10	84.17	0.0020	0.155	2
Dieldrin	1	84.17	0.0001	ND	0.042
Endrin	1	84.17	0.0002	ND	17
Endosulfan II	1	84.17	0.0002	ND	NLE
4,4'-DDD	10	84.17	0.0038	0.066	3
Endrin Aldehyde	1	84.17	0.0003	ND	NLE
4,4'-DDT	10	84.17	0.0009	0.026	2
Endosulfan-Sulfate	1	84.17	0.0006	ND	NLE
gamma -Chlordane	1	84.17	0.0006	ND	NLE
alpha-Chlordane	1	84.17	0.0006	ND	NLE
Toxaphene	1	84.17	0.0106	ND	0.1
Arochlor 1016	1	84.17	0.0373	ND	0.49
Arochlor 1221	1	84.17	0.0291	ND	0.49
Arochlor 1232	1	84.17	0.0291	ND	0.49
Arochlor 1242	1	84.17	0.0164	ND	0.49
Arochlor 1248	1	84.17	0.0291	ND	0.49
Arochlor 1254	1	84.17	0.0291	ND	0.49
Arochlor 1260	1	84.17	0.0395	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3399.03
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/11/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-14

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.61	0.0001	ND	NLE
beta-BHC	1	85.61	0.0002	ND	NLE
gamma-BHC	1	85.61	0.0002	ND	0.52
delta-BHC	1	85.61	0.0002	ND	NLE
Heptachlor	1	85.61	0.0002	ND	0.15
Aldrin	1	85.61	0.0002	ND	0.04
Heptachlor Epoxide	1	85.61	0.0001	ND	NLE
Endosulfan I	1	85.61	0.0001	ND	NLE
4,4'-DDE	4	85.61	0.0008	0.031	2
Dieldrin	1	85.61	0.0001	ND	0.042
Endrin	1	85.61	0.0002	ND	17
Endosulfan II	4	85.61	0.0006	0.008	NLE
4,4'-DDD	1	85.61	0.0004	ND	3
Endrin Aldehyde	1	85.61	0.0003	ND	NLE
4,4'-DDT	4	85.61	0.0003	0.026	2
Endosulfan-Sulfate	1	85.61	0.0006	ND	NLE
gamma -Chlordane	1	85.61	0.0006	ND	NLE
alpha-Chlordane	1	85.61	0.0006	ND	NLE
Toxaphene	1	85.61	0.0105	ND	0.1
Arochlor 1016	1	85.61	0.0372	ND	0.49
Arochlor 1221	1	85.61	0.0290	ND	0.49
Arochlor 1232	1	85.61	0.0290	ND	0.49
Arochlor 1242	1	85.61	0.0163	ND	0.49
Arochlor 1248	1	85.61	0.0290	ND	0.49
Arochlor 1254	1	85.61	0.0290	ND	0.49
Arochlor 1260	1	85.61	0.0394	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3399.05
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/11/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-15

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	87.47	0.0001	ND	NLE
beta-BHC	1	87.47	0.0001	ND	NLE
gamma-BHC	1	87.47	0.0001	ND	0.52
delta-BHC	1	87.47	0.0002	ND	NLE
Heptachlor	1	87.47	0.0002	ND	0.15
Aldrin	1	87.47	0.0002	ND	0.04
Heptachlor Epoxide	1	87.47	0.0001	ND	NLE
Endosulfan I	1	87.47	0.0001	ND	NLE
4,4'-DDE	4	87.47	0.0008	0.017	2
Dieldrin	1	87.47	0.0001	ND	0.042
Endrin	1	87.47	0.0002	ND	17
Endosulfan II	1	87.47	0.0002	ND	NLE
4,4'-DDD	1	87.47	0.0004	0.001	3
Endrin Aldehyde	1	87.47	0.0003	ND	NLE
4,4'-DDT	4	87.47	0.0003	0.013	2
Endosulfan-Sulfate	1	87.47	0.0005	ND	NLE
gamma -Chlordane	1	87.47	0.0006	ND	NLE
alpha-Chlordane	1	87.47	0.0006	ND	NLE
Toxaphene	1	87.47	0.0102	ND	0.1
Arochlor 1016	1	87.47	0.0361	ND	0.49
Arochlor 1221	1	87.47	0.0281	ND	0.49
Arochlor 1232	1	87.47	0.0281	ND	0.49
Arochlor 1242	1	87.47	0.0159	ND	0.49
Arochlor 1248	1	87.47	0.0281	ND	0.49
Arochlor 1254	1	87.47	0.0281	ND	0.49
Arochlor 1260	1	87.47	0.0383	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3399.07
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/11/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-16

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	92.43	0.0001	ND	NLE
beta-BHC	1	92.43	0.0001	ND	NLE
gamma-BHC	1	92.43	0.0001	ND	0.52
delta-BHC	1	92.43	0.0002	ND	NLE
Heptachlor	1	92.43	0.0001	ND	0.15
Aldrin	1	92.43	0.0001	ND	0.04
Heptachlor Epoxide	1	92.43	0.0001	ND	NLE
Endosulfan I	1	92.43	0.0001	ND	NLE
4,4'-DDE	4	92.43	0.0007	0.033	2
Dieldrin	1	92.43	0.0001	ND	0.042
Endrin	1	92.43	0.0002	ND	17
Endosulfan II	4	92.43	0.0006	0.010	NLE
4,4'-DDD	4	92.43	0.0014	0.003	3
Endrin Aldehyde	1	92.43	0.0003	ND	NLE
4,4'-DDT	4	92.43	0.0003	0.033	2
Endosulfan-Sulfate	1	92.43	0.0005	ND	NLE
gamma -Chlordane	1	92.43	0.0005	ND	NLE
alpha-Chlordane	1	92.43	0.0005	ND	NLE
Toxaphene	1	92.43	0.0097	ND	0.1
Arochlor 1016	1	92.43	0.0343	ND	0.49
Arochlor 1221	1	92.43	0.0267	ND	0.49
Arochlor 1232	1	92.43	0.0267	ND	0.49
Arochlor 1242	1	92.43	0.0151	ND	0.49
Arochlor 1248	1	92.43	0.0267	ND	0.49
Arochlor 1254	1	92.43	0.0267	ND	0.49
Arochlor 1260	1	92.43	0.0363	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3399.09
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/11/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-17

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	82.72	0.0001	ND	NLE
beta-BHC	1	82.72	0.0002	ND	NLE
gamma-BHC	1	82.72	0.0002	ND	0.52
delta-BHC	1	82.72	0.0002	ND	NLE
Heptachlor	1	82.72	0.0002	ND	0.15
Aldrin	1	82.72	0.0002	ND	0.04
Heptachlor Epoxide	1	82.72	0.0001	ND	NLE
Endosulfan I	1	82.72	0.0001	ND	NLE
4,4'-DDE	4	82.72	0.0008	0.037	2
Dieldrin	1	82.72	0.0001	ND	0.042
Endrin	1	82.72	0.0002	ND	17
Endosulfan II	1	82.72	0.0002	ND	NLE
4,4'-DDD	4	82.72	0.0016	0.017	3
Endrin Aldehyde	1	82.72	0.0003	ND	NLE
4,4'-DDT	4	82.72	0.0004	0.052	2
Endosulfan-Sulfate	1	82.72	0.0006	ND	NLE
gamma -Chlordane	1	82.72	0.0006	ND	NLE
alpha-Chlordane	1	82.72	0.0006	ND	NLE
Toxaphene	1	82.72	0.0109	ND	0.1
Arochlor 1016	1	82.72	0.0383	ND	0.49
Arochlor 1221	1	82.72	0.0298	ND	0.49
Arochlor 1232	1	82.72	0.0298	ND	0.49
Arochlor 1242	1	82.72	0.0168	ND	0.49
Arochlor 1248	1	82.72	0.0298	ND	0.49
Arochlor 1254	1	82.72	0.0298	ND	0.49
Arochlor 1260	1	82.72	0.0406	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3399.11
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/11/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-18

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	60.06	0.0002	ND	NLE
beta-BHC	1	60.06	0.0002	ND	NLE
gamma-BHC	1	60.06	0.0002	ND	0.52
delta-BHC	1	60.06	0.0002	ND	NLE
Heptachlor	1	60.06	0.0002	ND	0.15
Aldrin	1	60.06	0.0002	ND	0.04
Heptachlor Epoxide	1	60.06	0.0002	ND	NLE
Endosulfan I	1	60.06	0.0002	ND	NLE
4,4'-DDE	4	60.06	0.0011	0.037	2
Dieldrin	1	60.06	0.0002	ND	0.042
Endrin	1	60.06	0.0002	ND	17
Endosulfan II	1	60.06	0.0002	ND	NLE
4,4'-DDD	4	60.06	0.0022	0.015	3
Endrin Aldehyde	1	60.06	0.0004	ND	NLE
4,4'-DDT	4	60.06	0.0005	0.026	2
Endosulfan-Sulfate	1	60.06	0.0008	ND	NLE
gamma -Chlordane	1	60.06	0.0008	ND	NLE
alpha-Chlordane	1	60.06	0.0008	ND	NLE
Toxaphene	1	60.06	0.0150	ND	0.1
Arochlor 1016	1	60.06	0.0529	ND	0.49
Arochlor 1221	1	60.06	0.0412	ND	0.49
Arochlor 1232	1	60.06	0.0412	ND	0.49
Arochlor 1242	1	60.06	0.0233	ND	0.49
Arochlor 1248	1	60.06	0.0412	ND	0.49
Arochlor 1254	1	60.06	0.0412	ND	0.49
Arochlor 1260	1	60.06	0.0561	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3399.13
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/11/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-19

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	88.40	0.0001	ND	NLE
beta-BHC	1	88.40	0.0001	ND	NLE
gamma-BHC	1	88.40	0.0001	ND	0.52
delta-BHC	1	88.40	0.0002	ND	NLE
Heptachlor	1	88.40	0.0002	ND	0.15
Aldrin	1	88.40	0.0002	ND	0.04
Heptachlor Epoxide	1	88.40	0.0001	ND	NLE
Endosulfan I	1	88.40	0.0001	ND	NLE
4,4'-DDE	1	88.40	0.0002	ND	2
Dieldrin	1	88.40	0.0001	ND	0.042
Endrin	1	88.40	0.0002	ND	17
Endosulfan II	1	88.40	0.0002	ND	NLE
4,4'-DDD	1	88.40	0.0004	ND	3
Endrin Aldehyde	1	88.40	0.0003	ND	NLE
4,4'-DDT	1	88.40	0.0001	ND	2
Endosulfan-Sulfate	1	88.40	0.0005	ND	NLE
gamma -Chlordane	1	88.40	0.0006	ND	NLE
alpha-Chlordane	1	88.40	0.0006	ND	NLE
Toxaphene	1	88.40	0.0103	ND	0.1
Arochlor 1016	1	88.40	0.0362	ND	0.49
Arochlor 1221	1	88.40	0.0282	ND	0.49
Arochlor 1232	1	88.40	0.0282	ND	0.49
Arochlor 1242	1	88.40	0.0159	ND	0.49
Arochlor 1248	1	88.40	0.0282	ND	0.49
Arochlor 1254	1	88.40	0.0282	ND	0.49
Arochlor 1260	1	88.40	0.0383	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3399.15
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/11/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/31/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-20

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	88.46	0.0001	ND	NLE
beta-BHC	1	88.46	0.0001	ND	NLE
gamma-BHC	1	88.46	0.0001	ND	0.52
delta-BHC	1	88.46	0.0002	ND	NLE
Heptachlor	1	88.46	0.0001	ND	0.15
Aldrin	1	88.46	0.0002	ND	0.04
Heptachlor Epoxide	1	88.46	0.0001	ND	NLE
Endosulfan I	1	88.46	0.0001	ND	NLE
4,4'-DDE	1	88.46	0.0002	ND	2
Dieldrin	1	88.46	0.0001	ND	0.042
Endrin	1	88.46	0.0002	ND	17
Endosulfan II	1	88.46	0.0001	ND	NLE
4,4'-DDD	1	88.46	0.0004	ND	3
Endrin Aldehyde	1	88.46	0.0003	ND	NLE
4,4'-DDT	1	88.46	0.0001	ND	2
Endosulfan-Sulfate	1	88.46	0.0005	ND	NLE
gamma -Chlordane	1	88.46	0.0005	ND	NLE
alpha-Chlordane	1	88.46	0.0005	ND	NLE
Toxaphene	1	88.46	0.0099	ND	0.1
Arochlor 1016	1	88.46	0.0349	ND	0.49
Arochlor 1221	1	88.46	0.0272	ND	0.49
Arochlor 1232	1	88.46	0.0272	ND	0.49
Arochlor 1242	1	88.46	0.0153	ND	0.49
Arochlor 1248	1	88.46	0.0272	ND	0.49
Arochlor 1254	1	88.46	0.0272	ND	0.49
Arochlor 1260	1	88.46	0.0369	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

000523

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3399.17
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/11/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/1/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-21

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	91.02	0.0001	ND	NLE
beta-BHC	1	91.02	0.0001	ND	NLE
gamma-BHC	1	91.02	0.0001	ND	0.52
delta-BHC	1	91.02	0.0002	ND	NLE
Heptachlor	1	91.02	0.0001	ND	0.15
Aldrin	1	91.02	0.0002	ND	0.04
Heptachlor Epoxide	1	91.02	0.0001	ND	NLE
Endosulfan I	1	91.02	0.0001	ND	NLE
4,4'-DDE	4	91.02	0.0007	0.025	2
Dieldrin	1	91.02	0.0001	ND	0.042
Endrin	1	91.02	0.0002	ND	17
Endosulfan II	1	91.02	0.0001	ND	NLE
4,4'-DDD	1	91.02	0.0004	ND	3
Endrin Aldehyde	1	91.02	0.0003	ND	NLE
4,4'-DDT	4	91.02	0.0003	0.022	2
Endosulfan-Sulfate	1	91.02	0.0005	ND	NLE
gamma -Chlordane	1	91.02	0.0005	ND	NLE
alpha-Chlordane	1	91.02	0.0005	ND	NLE
Toxaphene	1	91.02	0.0098	ND	0.1
Arochlor 1016	1	91.02	0.0347	ND	0.49
Arochlor 1221	1	91.02	0.0270	ND	0.49
Arochlor 1232	1	91.02	0.0270	ND	0.49
Arochlor 1242	1	91.02	0.0152	ND	0.49
Arochlor 1248	1	91.02	0.0270	ND	0.49
Arochlor 1254	1	91.02	0.0270	ND	0.49
Arochlor 1260	1	91.02	0.0367	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

000524

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3399.19
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/11/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/1/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-22

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.59	0.0001	ND	NLE
beta-BHC	1	85.59	0.0001	ND	NLE
gamma-BHC	1	85.59	0.0001	ND	0.52
delta-BHC	1	85.59	0.0002	ND	NLE
Heptachlor	1	85.59	0.0002	ND	0.15
Aldrin	1	85.59	0.0002	ND	0.04
Heptachlor Epoxide	1	85.59	0.0001	ND	NLE
Endosulfan I	1	85.59	0.0001	ND	NLE
4,4'-DDE	4	85.59	0.0008	0.075	2
Dieldrin	1	85.59	0.0001	ND	0.042
Endrin	1	85.59	0.0002	ND	17
Endosulfan II	1	85.59	0.0002	ND	NLE
4,4'-DDD	1	85.59	0.0004	ND	3
Endrin Aldehyde	1	85.59	0.0003	ND	NLE
4,4'-DDT	4	85.59	0.0003	0.036	2
Endosulfan-Sulfate	1	85.59	0.0005	ND	NLE
gamma -Chlordane	1	85.59	0.0006	ND	NLE
alpha-Chlordane	1	85.59	0.0006	ND	NLE
Toxaphene	1	85.59	0.0103	ND	0.1
Arochlor 1016	1	85.59	0.0364	ND	0.49
Arochlor 1221	1	85.59	0.0283	ND	0.49
Arochlor 1232	1	85.59	0.0283	ND	0.49
Arochlor 1242	1	85.59	0.0160	ND	0.49
Arochlor 1248	1	85.59	0.0283	ND	0.49
Arochlor 1254	1	85.59	0.0283	ND	0.49
Arochlor 1260	1	85.59	0.0385	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3399.21
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/11/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/1/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-23

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	86.77	0.0001	ND	NLE
beta-BHC	1	86.77	0.0001	ND	NLE
gamma-BHC	1	86.77	0.0001	ND	0.52
delta-BHC	1	86.77	0.0002	ND	NLE
Heptachlor	1	86.77	0.0002	ND	0.15
Aldrin	1	86.77	0.0002	ND	0.04
Heptachlor Epoxide	1	86.77	0.0001	ND	NLE
Endosulfan I	1	86.77	0.0001	ND	NLE
4,4'-DDE	10	86.77	0.0019	0.134	2
Dieldrin	1	86.77	0.0001	ND	0.042
Endrin	1	86.77	0.0002	ND	17
Endosulfan II	1	86.77	0.0002	ND	NLE
4,4'-DDD	10	86.77	0.0038	0.112	3
Endrin Aldehyde	1	86.77	0.0003	ND	NLE
4,4'-DDT	10	86.77	0.0009	0.052	2
Endosulfan-Sulfate	1	86.77	0.0006	ND	NLE
gamma -Chlordane	1	86.77	0.0006	ND	NLE
alpha-Chlordane	1	86.77	0.0006	ND	NLE
Toxaphene	1	86.77	0.0104	ND	0.1
Arochlor 1016	1	86.77	0.0367	ND	0.49
Arochlor 1221	1	86.77	0.0286	ND	0.49
Arochlor 1232	1	86.77	0.0286	ND	0.49
Arochlor 1242	1	86.77	0.0161	ND	0.49
Arochlor 1248	1	86.77	0.0286	ND	0.49
Arochlor 1254	1	86.77	0.0286	ND	0.49
Arochlor 1260	1	86.77	0.0389	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3399.23
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/11/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/1/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-24

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.92	0.0001	ND	NLE
beta-BHC	1	84.92	0.0001	ND	NLE
gamma-BHC	1	84.92	0.0001	ND	0.52
delta-BHC	1	84.92	0.0002	ND	NLE
Heptachlor	1	84.92	0.0002	ND	0.15
Aldrin	1	84.92	0.0002	ND	0.04
Heptachlor Epoxide	1	84.92	0.0001	ND	NLE
Endosulfan I	1	84.92	0.0001	ND	NLE
4,4'-DDE	25	84.92	0.0048	0.277	2
Dieldrin	1	84.92	0.0001	ND	0.042
Endrin	1	84.92	0.0002	ND	17
Endosulfan II	1	84.92	0.0002	ND	NLE
4,4'-DDD	25	84.92	0.0092	0.102	3
Endrin Aldehyde	1	84.92	0.0003	ND	NLE
4,4'-DDT	25	84.92	0.0021	0.123	2
Endosulfan-Sulfate	1	84.92	0.0005	ND	NLE
gamma -Chlordane	1	84.92	0.0006	ND	NLE
alpha-Chlordane	1	84.92	0.0006	ND	NLE
Toxaphene	1	84.92	0.0102	ND	0.1
Arochlor 1016	1	84.92	0.0360	ND	0.49
Arochlor 1221	1	84.92	0.0280	ND	0.49
Arochlor 1232	1	84.92	0.0280	ND	0.49
Arochlor 1242	1	84.92	0.0158	ND	0.49
Arochlor 1248	1	84.92	0.0280	ND	0.49
Arochlor 1254	1	84.92	0.0280	ND	0.49
Arochlor 1260	1	84.92	0.0381	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3399.25
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/11/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/1/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-25

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	87.68	0.0001	ND	NLE
beta-BHC	1	87.68	0.0001	ND	NLE
gamma-BHC	1	87.68	0.0001	ND	0.52
delta-BHC	1	87.68	0.0002	ND	NLE
Heptachlor	1	87.68	0.0001	ND	0.15
Aldrin	1	87.68	0.0002	ND	0.04
Heptachlor Epoxide	1	87.68	0.0001	ND	NLE
Endosulfan I	1	87.68	0.0001	ND	NLE
4,4'-DDE	25	87.68	0.0046	0.283	2
Dieldrin	1	87.68	0.0001	ND	0.042
Endrin	1	87.68	0.0002	ND	17
Endosulfan II	1	87.68	0.0001	ND	NLE
4,4'-DDD	25	87.68	0.0090	0.111	3
Endrin Aldehyde	1	87.68	0.0003	ND	NLE
4,4'-DDT	25	87.68	0.0020	0.103	2
Endosulfan-Sulfate	1	87.68	0.0005	ND	NLE
gamma -Chlordane	1	87.68	0.0005	ND	NLE
alpha-Chlordane	1	87.68	0.0005	ND	NLE
Toxaphene	1	87.68	0.0099	ND	0.1
Arochlor 1016	1	87.68	0.0349	ND	0.49
Arochlor 1221	1	87.68	0.0272	ND	0.49
Arochlor 1232	1	87.68	0.0272	ND	0.49
Arochlor 1242	1	87.68	0.0153	ND	0.49
Arochlor 1248	1	87.68	0.0272	ND	0.49
Arochlor 1254	1	87.68	0.0272	ND	0.49
Arochlor 1260	1	87.68	0.0370	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Lab. ID # :** **Date Rec'd:** **Extraction Date:** **Analysis Date:**	3399.27 3/11/98 3/16/98 4/1/98
Analysis: **Matrix:** **Analyst:**	SW-846 Method 8080A Soil D. Wright	**Location :** **Field ID:**	M-4 Landfill Ft. Monmouth, NJ M4-B-26

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.40	0.0001	ND	NLE
beta-BHC	1	85.40	0.0001	ND	NLE
gamma-BHC	1	85.40	0.0001	ND	0.52
delta-BHC	1	85.40	0.0002	ND	NLE
Heptachlor	1	85.40	0.0001	ND	0.15
Aldrin	1	85.40	0.0002	ND	0.04
Heptachlor Epoxide	1	85.40	0.0001	ND	NLE
Endosulfan I	1	85.40	0.0001	ND	NLE
4,4'-DDE	25	85.40	0.0046	0.080	2
Dieldrin	1	85.40	0.0001	ND	0.042
Endrin	1	85.40	0.0002	ND	17
Endosulfan II	1	85.40	0.0001	ND	NLE
4,4'-DDD	4	85.40	0.0014	0.033	3
Endrin Aldehyde	1	85.40	0.0003	ND	NLE
4,4'-DDT	25	85.40	0.0020	0.045	2
Endosulfan-Sulfate	1	85.40	0.0005	ND	NLE
gamma -Chlordane	1	85.40	0.0005	ND	NLE
alpha-Chlordane	1	85.40	0.0005	ND	NLE
Toxaphene	1	85.40	0.0099	ND	0.1
Arochlor 1016	1	85.40	0.0348	ND	0.49
Arochlor 1221	1	85.40	0.0271	ND	0.49
Arochlor 1232	1	85.40	0.0271	ND	0.49
Arochlor 1242	1	85.40	0.0153	ND	0.49
Arochlor 1248	1	85.40	0.0271	ND	0.49
Arochlor 1254	1	85.40	0.0271	ND	0.49
Arochlor 1260	1	85.40	0.0368	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3399.31
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/11/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/1/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-27

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	80.60	0.0001	ND	NLE
beta-BHC	1	80.60	0.0002	ND	NLE
gamma-BHC	1	80.60	0.0002	ND	0.52
delta-BHC	1	80.60	0.0002	ND	NLE
Heptachlor	1	80.60	0.0002	ND	0.15
Aldrin	1	80.60	0.0002	ND	0.04
Heptachlor Epoxide	1	80.60	0.0001	ND	NLE
Endosulfan I	1	80.60	0.0001	ND	NLE
4,4'-DDE	100	80.60	0.0207	1.035	2
Dieldrin	1	80.60	0.0001	ND	0.042
Endrin	1	80.60	0.0002	ND	17
Endosulfan II	1	80.60	0.0002	ND	NLE
4,4'-DDD	100	80.60	0.0402	0.573	3
Endrin Aldehyde	1	80.60	0.0003	ND	NLE
4,4'-DDT	100	80.60	0.0091	0.547	2
Endosulfan-Sulfate	1	80.60	0.0006	ND	NLE
gamma -Chlordane	1	80.60	0.0006	ND	NLE
alpha-Chlordane	1	80.60	0.0006	ND	NLE
Toxaphene	1	80.60	0.0111	ND	0.1
Arochlor 1016	1	80.60	0.0391	ND	0.49
Arochlor 1221	1	80.60	0.0305	ND	0.49
Arochlor 1232	1	80.60	0.0305	ND	0.49
Arochlor 1242	1	80.60	0.0172	ND	0.49
Arochlor 1248	1	80.60	0.0305	ND	0.49
Arochlor 1254	1	80.60	0.0305	ND	0.49
Arochlor 1260	1	80.60	0.0414	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3399.33
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/11/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/1/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-28

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	80.78	0.0001	ND	NLE
beta-BHC	1	80.78	0.0002	ND	NLE
gamma-BHC	1	80.78	0.0002	ND	0.52
delta-BHC	1	80.78	0.0002	ND	NLE
Heptachlor	1	80.78	0.0002	ND	0.15
Aldrin	1	80.78	0.0002	ND	0.04
Heptachlor Epoxide	1	80.78	0.0001	ND	NLE
Endosulfan I	1	80.78	0.0001	ND	NLE
4,4'-DDE	10	80.78	0.0021	0.130	2
Dieldrin	1	80.78	0.0001	ND	0.042
Endrin	1	80.78	0.0002	ND	17
Endosulfan II	1	80.78	0.0002	ND	NLE
4,4'-DDD	10	80.78	0.0041	0.054	3
Endrin Aldehyde	1	80.78	0.0003	ND	NLE
4,4'-DDT	10	80.78	0.0009	0.086	2
Endosulfan-Sulfate	1	80.78	0.0006	ND	NLE
gamma -Chlordane	1	80.78	0.0006	ND	NLE
alpha-Chlordane	1	80.78	0.0006	ND	NLE
Toxaphene	1	80.78	0.0112	ND	0.1
Arochlor 1016	1	80.78	0.0394	ND	0.49
Arochlor 1221	1	80.78	0.0307	ND	0.49
Arochlor 1232	1	80.78	0.0307	ND	0.49
Arochlor 1242	1	80.78	0.0173	ND	0.49
Arochlor 1248	1	80.78	0.0307	ND	0.49
Arochlor 1254	1	80.78	0.0307	ND	0.49
Arochlor 1260	1	80.78	0.0418	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3399.35
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/11/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/1/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-29

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.16	0.0001	ND	NLE
beta-BHC	1	84.16	0.0002	ND	NLE
gamma-BHC	1	84.16	0.0002	ND	0.52
delta-BHC	1	84.16	0.0002	ND	NLE
Heptachlor	1	84.16	0.0002	ND	0.15
Aldrin	1	84.16	0.0002	ND	0.04
Heptachlor Epoxide	1	84.16	0.0001	ND	NLE
Endosulfan I	1	84.16	0.0001	ND	NLE
4,4'-DDE	4	84.16	0.0008	0.086	2
Dieldrin	1	84.16	0.0001	ND	0.042
Endrin	1	84.16	0.0002	ND	17
Endosulfan II	1	84.16	0.0002	ND	NLE
4,4'-DDD	4	84.16	0.0016	0.055	3
Endrin Aldehyde	1	84.16	0.0003	ND	NLE
4,4'-DDT	4	84.16	0.0004	0.088	2
Endosulfan-Sulfate	1	84.16	0.0006	ND	NLE
gamma -Chlordane	1	84.16	0.0006	ND	NLE
alpha-Chlordane	1	84.16	0.0006	ND	NLE
Toxaphene	1	84.16	0.0108	ND	0.1
Arochlor 1016	1	84.16	0.0381	ND	0.49
Arochlor 1221	1	84.16	0.0297	ND	0.49
Arochlor 1232	1	84.16	0.0297	ND	0.49
Arochlor 1242	1	84.16	0.0168	ND	0.49
Arochlor 1248	1	84.16	0.0297	ND	0.49
Arochlor 1254	1	84.16	0.0297	ND	0.49
Arochlor 1260	1	84.16	0.0404	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3403.01
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/12/98
	Bldg. 173	**Extraction Date:**	3/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/1/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-30

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	87.74	0.0001	ND	NLE
beta-BHC	1	87.74	0.0001	ND	NLE
gamma-BHC	1	87.74	0.0001	ND	0.52
delta-BHC	1	87.74	0.0002	ND	NLE
Heptachlor	1	87.74	0.0002	ND	0.15
Aldrin	1	87.74	0.0002	ND	0.04
Heptachlor Epoxide	1	87.74	0.0001	ND	NLE
Endosulfan I	1	87.74	0.0001	ND	NLE
4,4'-DDE	4	87.74	0.0008	0.022	2
Dieldrin	1	87.74	0.0001	ND	0.042
Endrin	1	87.74	0.0002	ND	17
Endosulfan II	1	87.74	0.0002	ND	NLE
4,4'-DDD	4	87.74	0.0015	0.024	3
Endrin Aldehyde	1	87.74	0.0003	ND	NLE
4,4'-DDT	4	87.74	0.0003	0.017	2
Endosulfan-Sulfate	1	87.74	0.0005	ND	NLE
gamma -Chlordane	1	87.74	0.0006	ND	NLE
alpha-Chlordane	1	87.74	0.0006	ND	NLE
Toxaphene	1	87.74	0.0102	ND	0.1
Arochlor 1016	1	87.74	0.0360	ND	0.49
Arochlor 1221	1	87.74	0.0281	ND	0.49
Arochlor 1232	1	87.74	0.0281	ND	0.49
Arochlor 1242	1	87.74	0.0158	ND	0.49
Arochlor 1248	1	87.74	0.0281	ND	0.49
Arochlor 1254	1	87.74	0.0281	ND	0.49
Arochlor 1260	1	87.74	0.0382	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3403.03
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/12/98
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/1/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-31

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.38	0.0001	ND	NLE
beta-BHC	1	84.38	0.0002	ND	NLE
gamma-BHC	1	84.38	0.0002	ND	0.52
delta-BHC	1	84.38	0.0002	ND	NLE
Heptachlor	1	84.38	0.0002	ND	0.15
Aldrin	1	84.38	0.0002	ND	0.04
Heptachlor Epoxide	1	84.38	0.0001	ND	NLE
Endosulfan I	1	84.38	0.0001	ND	NLE
4,4'-DDE	20	84.38	0.0039	0.174	2
Dieldrin	1	84.38	0.0001	ND	0.042
Endrin	1	84.38	0.0002	ND	17
Endosulfan II	1	84.38	0.0002	ND	NLE
4,4'-DDD	20	84.38	0.0076	0.102	3
Endrin Aldehyde	1	84.38	0.0003	ND	NLE
4,4'-DDT	20	84.38	0.0017	0.128	2
Endosulfan-Sulfate	1	84.38	0.0006	ND	NLE
gamma -Chlordane	1	84.38	0.0006	ND	NLE
alpha-Chlordane	1	84.38	0.0006	ND	NLE
Toxaphene	1	84.38	0.0105	ND	0.1
Arochlor 1016	1	84.38	0.0372	ND	0.49
Arochlor 1221	1	84.38	0.0290	ND	0.49
Arochlor 1232	1	84.38	0.0290	ND	0.49
Arochlor 1242	1	84.38	0.0163	ND	0.49
Arochlor 1248	1	84.38	0.0290	ND	0.49
Arochlor 1254	1	84.38	0.0290	ND	0.49
Arochlor 1260	1	84.38	0.0394	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3403.05
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/12/98
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/1/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-32

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	86.76	0.0001	ND	NLE
beta-BHC	1	86.76	0.0001	ND	NLE
gamma-BHC	1	86.76	0.0001	ND	0.52
delta-BHC	1	86.76	0.0002	ND	NLE
Heptachlor	1	86.76	0.0002	ND	0.15
Aldrin	1	86.76	0.0002	ND	0.04
Heptachlor Epoxide	1	86.76	0.0001	ND	NLE
Endosulfan I	1	86.76	0.0001	ND	NLE
4,4'-DDE	4	86.76	0.0008	0.069	2
Dieldrin	1	86.76	0.0001	ND	0.042
Endrin	1	86.76	0.0002	ND	17
Endosulfan II	1	86.76	0.0002	ND	NLE
4,4'-DDD	4	86.76	0.0015	0.018	3
Endrin Aldehyde	1	86.76	0.0003	ND	NLE
4,4'-DDT	4	86.76	0.0003	0.049	2
Endosulfan-Sulfate	1	86.76	0.0005	ND	NLE
gamma -Chlordane	1	86.76	0.0006	ND	NLE
alpha-Chlordane	1	86.76	0.0006	ND	NLE
Toxaphene	1	86.76	0.0102	ND	0.1
Arochlor 1016	1	86.76	0.0359	ND	0.49
Arochlor 1221	1	86.76	0.0280	ND	0.49
Arochlor 1232	1	86.76	0.0280	ND	0.49
Arochlor 1242	1	86.76	0.0158	ND	0.49
Arochlor 1248	1	86.76	0.0280	ND	0.49
Arochlor 1254	1	86.76	0.0280	ND	0.49
Arochlor 1260	1	86.76	0.0380	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3403.07
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/12/98
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/1/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-33

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.60	0.0001	ND	NLE
beta-BHC	1	89.60	0.0001	ND	NLE
gamma-BHC	1	89.60	0.0001	ND	0.52
delta-BHC	1	89.60	0.0002	ND	NLE
Heptachlor	1	89.60	0.0001	ND	0.15
Aldrin	1	89.60	0.0002	ND	0.04
Heptachlor Epoxide	1	89.60	0.0001	ND	NLE
Endosulfan I	1	89.60	0.0001	ND	NLE
4,4'-DDE	4	89.60	0.0008	0.008	2
Dieldrin	1	89.60	0.0001	ND	0.042
Endrin	1	89.60	0.0002	ND	17
Endosulfan II	1	89.60	0.0001	ND	NLE
4,4'-DDD	4	89.60	0.0015	0.004	3
Endrin Aldehyde	1	89.60	0.0003	ND	NLE
4,4'-DDT	4	89.60	0.0003	0.029	2
Endosulfan-Sulfate	1	89.60	0.0005	ND	NLE
gamma -Chlordane	1	89.60	0.0006	ND	NLE
alpha-Chlordane	1	89.60	0.0006	ND	NLE
Toxaphene	1	89.60	0.0101	ND	0.1
Arochlor 1016	1	89.60	0.0355	ND	0.49
Arochlor 1221	1	89.60	0.0276	ND	0.49
Arochlor 1232	1	89.60	0.0276	ND	0.49
Arochlor 1242	1	89.60	0.0156	ND	0.49
Arochlor 1248	1	89.60	0.0276	ND	0.49
Arochlor 1254	1	89.60	0.0276	ND	0.49
Arochlor 1260	1	89.60	0.0376	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3403.09
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/12/98
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/1/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-34

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	86.39	0.0001	ND	NLE
beta-BHC	1	86.39	0.0001	ND	NLE
gamma-BHC	1	86.39	0.0001	ND	0.52
delta-BHC	1	86.39	0.0002	ND	NLE
Heptachlor	1	86.39	0.0002	ND	0.15
Aldrin	1	86.39	0.0002	ND	0.04
Heptachlor Epoxide	1	86.39	0.0001	ND	NLE
Endosulfan I	1	86.39	0.0001	ND	NLE
4,4'-DDE	4	86.39	0.0008	0.030	2
Dieldrin	1	86.39	0.0001	ND	0.042
Endrin	1	86.39	0.0002	ND	17
Endosulfan II	1	86.39	0.0002	ND	NLE
4,4'-DDD	4	86.39	0.0015	0.007	3
Endrin Aldehyde	1	86.39	0.0003	ND	NLE
4,4'-DDT	4	86.39	0.0003	0.013	2
Endosulfan-Sulfate	1	86.39	0.0005	ND	NLE
gamma -Chlordane	1	86.39	0.0006	ND	NLE
alpha-Chlordane	1	86.39	0.0006	ND	NLE
Toxaphene	1	86.39	0.0102	ND	0.1
Arochlor 1016	1	86.39	0.0359	ND	0.49
Arochlor 1221	1	86.39	0.0280	ND	0.49
Arochlor 1232	1	86.39	0.0280	ND	0.49
Arochlor 1242	1	86.39	0.0158	ND	0.49
Arochlor 1248	1	86.39	0.0280	ND	0.49
Arochlor 1254	1	86.39	0.0280	ND	0.49
Arochlor 1260	1	86.39	0.0381	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3403.11
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/12/98
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/1/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-35

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	82.80	0.0001	ND	NLE
beta-BHC	1	82.80	0.0002	ND	NLE
gamma-BHC	1	82.80	0.0002	ND	0.52
delta-BHC	1	82.80	0.0002	ND	NLE
Heptachlor	1	82.80	0.0002	ND	0.15
Aldrin	1	82.80	0.0002	ND	0.04
Heptachlor Epoxide	1	82.80	0.0001	ND	NLE
Endosulfan I	1	82.80	0.0001	ND	NLE
4,4'-DDE	4	82.80	0.0008	0.012	2
Dieldrin	1	82.80	0.0001	ND	0.042
Endrin	1	82.80	0.0002	ND	17
Endosulfan II	4	82.80	0.0006	0.003	NLE
4,4'-DDD	1	82.80	0.0004	ND	3
Endrin Aldehyde	1	82.80	0.0003	ND	NLE
4,4'-DDT	4	82.80	0.0004	0.011	2
Endosulfan-Sulfate	1	82.80	0.0006	ND	NLE
gamma -Chlordane	1	82.80	0.0006	ND	NLE
alpha-Chlordane	1	82.80	0.0006	ND	NLE
Toxaphene	1	82.80	0.0108	ND	0.1
Arochlor 1016	1	82.80	0.0380	ND	0.49
Arochlor 1221	1	82.80	0.0296	ND	0.49
Arochlor 1232	1	82.80	0.0296	ND	0.49
Arochlor 1242	1	82.80	0.0167	ND	0.49
Arochlor 1248	1	82.80	0.0296	ND	0.49
Arochlor 1254	1	82.80	0.0296	ND	0.49
Arochlor 1260	1	82.80	0.0402	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3403.13
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/12/98
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-36

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.83	0.0001	ND	NLE
beta-BHC	1	89.83	0.0001	ND	NLE
gamma-BHC	1	89.83	0.0001	ND	0.52
delta-BHC	1	89.83	0.0002	ND	NLE
Heptachlor	1	89.83	0.0001	ND	0.15
Aldrin	1	89.83	0.0002	ND	0.04
Heptachlor Epoxide	1	89.83	0.0001	ND	NLE
Endosulfan I	1	89.83	0.0001	ND	NLE
4,4'-DDE	10	89.83	0.0019	0.192	2
Dieldrin	1	89.83	0.0001	ND	0.042
Endrin	1	89.83	0.0002	ND	17
Endosulfan II	4	89.83	0.0006	0.008	NLE
4,4'-DDD	10	89.83	0.0036	0.156	3
Endrin Aldehyde	1	89.83	0.0003	ND	NLE
4,4'-DDT	10	89.83	0.0008	0.283	2
Endosulfan-Sulfate	1	89.83	0.0005	ND	NLE
gamma -Chlordane	1	89.83	0.0005	ND	NLE
alpha-Chlordane	1	89.83	0.0005	ND	NLE
Toxaphene	1	89.83	0.0099	ND	0.1
Arochlor 1016	1	89.83	0.0349	ND	0.49
Arochlor 1221	1	89.83	0.0272	ND	0.49
Arochlor 1232	1	89.83	0.0272	ND	0.49
Arochlor 1242	1	89.83	0.0154	ND	0.49
Arochlor 1248	1	89.83	0.0272	ND	0.49
Arochlor 1254	1	89.83	0.0272	ND	0.49
Arochlor 1260	1	89.83	0.0370	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3403.15
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/12/98
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-37

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	88.83	0.0001	ND	NLE
beta-BHC	1	88.83	0.0001	ND	NLE
gamma-BHC	1	88.83	0.0001	ND	0.52
delta-BHC	1	88.83	0.0002	ND	NLE
Heptachlor	1	88.83	0.0002	ND	0.15
Aldrin	1	88.83	0.0002	ND	0.04
Heptachlor Epoxide	1	88.83	0.0001	ND	NLE
Endosulfan I	1	88.83	0.0001	ND	NLE
4,4'-DDE	4	88.83	0.0008	0.063	2
Dieldrin	1	88.83	0.0001	ND	0.042
Endrin	1	88.83	0.0002	ND	17
Endosulfan II	1	88.83	0.0002	ND	NLE
4,4'-DDD	4	88.83	0.0015	0.029	3
Endrin Aldehyde	1	88.83	0.0003	ND	NLE
4,4'-DDT	4	88.83	0.0003	0.023	2
Endosulfan-Sulfate	1	88.83	0.0005	ND	NLE
gamma -Chlordane	1	88.83	0.0006	ND	NLE
alpha-Chlordane	1	88.83	0.0006	ND	NLE
Toxaphene	1	88.83	0.0101	ND	0.1
Arochlor 1016	1	88.83	0.0357	ND	0.49
Arochlor 1221	1	88.83	0.0278	ND	0.49
Arochlor 1232	1	88.83	0.0278	ND	0.49
Arochlor 1242	1	88.83	0.0157	ND	0.49
Arochlor 1248	1	88.83	0.0278	ND	0.49
Arochlor 1254	1	88.83	0.0278	ND	0.49
Arochlor 1260	1	88.83	0.0378	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3403.17
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/12/98
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-38

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	88.54	0.0001	ND	NLE
beta-BHC	1	88.54	0.0001	ND	NLE
gamma-BHC	1	88.54	0.0001	ND	0.52
delta-BHC	1	88.54	0.0002	ND	NLE
Heptachlor	1	88.54	0.0001	ND	0.15
Aldrin	1	88.54	0.0002	ND	0.04
Heptachlor Epoxide	1	88.54	0.0001	ND	NLE
Endosulfan I	1	88.54	0.0001	ND	NLE
4,4'-DDE	4	88.54	0.0007	0.030	2
Dieldrin	1	88.54	0.0001	ND	0.042
Endrin	1	88.54	0.0002	ND	17
Endosulfan II	1	88.54	0.0001	0.005	NLE
4,4'-DDD	4	88.54	0.0014	0.039	3
Endrin Aldehyde	1	88.54	0.0003	ND	NLE
4,4'-DDT	4	88.54	0.0003	0.048	2
Endosulfan-Sulfate	1	88.54	0.0005	ND	NLE
gamma -Chlordane	1	88.54	0.0005	ND	NLE
alpha-Chlordane	1	88.54	0.0005	ND	NLE
Toxaphene	1	88.54	0.0099	ND	0.1
Arochlor 1016	1	88.54	0.0349	ND	0.49
Arochlor 1221	1	88.54	0.0272	ND	0.49
Arochlor 1232	1	88.54	0.0272	ND	0.49
Arochlor 1242	1	88.54	0.0153	ND	0.49
Arochlor 1248	1	88.54	0.0272	ND	0.49
Arochlor 1254	1	88.54	0.0272	ND	0.49
Arochlor 1260	1	88.54	0.0370	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3403.19
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/12/98
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-39

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.42	0.0001	ND	NLE
beta-BHC	1	84.42	0.0002	ND	NLE
gamma-BHC	1	84.42	0.0002	ND	0.52
delta-BHC	1	84.42	0.0002	ND	NLE
Heptachlor	1	84.42	0.0002	ND	0.15
Aldrin	1	84.42	0.0002	ND	0.04
Heptachlor Epoxide	1	84.42	0.0001	ND	NLE
Endosulfan I	1	84.42	0.0001	ND	NLE
4,4'-DDE	4	84.42	0.0008	0.070	2
Dieldrin	1	84.42	0.0001	ND	0.042
Endrin	1	84.42	0.0002	ND	17
Endosulfan II	1	84.42	0.0002	ND	NLE
4,4'-DDD	4	84.42	0.0016	0.032	3
Endrin Aldehyde	1	84.42	0.0003	ND	NLE
4,4'-DDT	4	84.42	0.0004	0.011	2
Endosulfan-Sulfate	1	84.42	0.0006	ND	NLE
gamma -Chlordane	1	84.42	0.0006	ND	NLE
alpha-Chlordane	1	84.42	0.0006	ND	NLE
Toxaphene	1	84.42	0.0107	ND	0.1
Arochlor 1016	1	84.42	0.0379	ND	0.49
Arochlor 1221	1	84.42	0.0295	ND	0.49
Arochlor 1232	1	84.42	0.0295	ND	0.49
Arochlor 1242	1	84.42	0.0166	ND	0.49
Arochlor 1248	1	84.42	0.0295	ND	0.49
Arochlor 1254	1	84.42	0.0295	ND	0.49
Arochlor 1260	1	84.42	0.0401	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3403.21
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/12/98
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-40

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	83.92	0.0001	ND	NLE
beta-BHC	1	83.92	0.0001	ND	NLE
gamma-BHC	1	83.92	0.0001	ND	0.52
delta-BHC	1	83.92	0.0002	ND	NLE
Heptachlor	1	83.92	0.0002	ND	0.15
Aldrin	1	83.92	0.0002	ND	0.04
Heptachlor Epoxide	1	83.92	0.0001	ND	NLE
Endosulfan I	1	83.92	0.0001	ND	NLE
4,4'-DDE	4	83.92	0.0008	0.055	2
Dieldrin	1	83.92	0.0001	ND	0.042
Endrin	1	83.92	0.0002	ND	17
Endosulfan II	1	83.92	0.0002	ND	NLE
4,4'-DDD	4	83.92	0.0015	0.019	3
Endrin Aldehyde	1	83.92	0.0003	ND	NLE
4,4'-DDT	4	83.92	0.0003	0.023	2
Endosulfan-Sulfate	1	83.92	0.0006	ND	NLE
gamma -Chlordane	1	83.92	0.0006	ND	NLE
alpha-Chlordane	1	83.92	0.0006	ND	NLE
Toxaphene	1	83.92	0.0105	ND	0.1
Arochlor 1016	1	83.92	0.0369	ND	0.49
Arochlor 1221	1	83.92	0.0287	ND	0.49
Arochlor 1232	1	83.92	0.0287	ND	0.49
Arochlor 1242	1	83.92	0.0162	ND	0.49
Arochlor 1248	1	83.92	0.0287	ND	0.49
Arochlor 1254	1	83.92	0.0287	ND	0.49
Arochlor 1260	1	83.92	0.0391	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3403.23
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/12/98
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-41

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	86.23	0.0001	ND	NLE
beta-BHC	1	86.23	0.0002	ND	NLE
gamma-BHC	1	86.23	0.0002	ND	0.52
delta-BHC	1	86.23	0.0002	ND	NLE
Heptachlor	1	86.23	0.0002	ND	0.15
Aldrin	1	86.23	0.0002	ND	0.04
Heptachlor Epoxide	1	86.23	0.0001	ND	NLE
Endosulfan I	1	86.23	0.0001	ND	NLE
4,4'-DDE	4	86.23	0.0008	0.073	2
Dieldrin	1	86.23	0.0001	ND	0.042
Endrin	1	86.23	0.0002	ND	17
Endosulfan II	4	86.23	0.0006	0.008	NLE
4,4'-DDD	4	86.23	0.0015	0.048	3
Endrin Aldehyde	1	86.23	0.0003	ND	NLE
4,4'-DDT	4	86.23	0.0003	0.044	2
Endosulfan-Sulfate	1	86.23	0.0006	ND	NLE
gamma -Chlordane	1	86.23	0.0006	ND	NLE
alpha-Chlordane	1	86.23	0.0006	ND	NLE
Toxaphene	1	86.23	0.0106	ND	0.1
Arochlor 1016	1	86.23	0.0373	ND	0.49
Arochlor 1221	1	86.23	0.0291	ND	0.49
Arochlor 1232	1	86.23	0.0291	ND	0.49
Arochlor 1242	1	86.23	0.0164	ND	0.49
Arochlor 1248	1	86.23	0.0291	ND	0.49
Arochlor 1254	1	86.23	0.0291	ND	0.49
Arochlor 1260	1	86.23	0.0395	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3403.25
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/12/98
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-42

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	83.99	0.0001	ND	NLE
beta-BHC	1	83.99	0.0002	ND	NLE
gamma-BHC	1	83.99	0.0002	ND	0.52
delta-BHC	1	83.99	0.0002	ND	NLE
Heptachlor	1	83.99	0.0002	ND	0.15
Aldrin	1	83.99	0.0002	ND	0.04
Heptachlor Epoxide	1	83.99	0.0001	ND	NLE
Endosulfan I	1	83.99	0.0001	ND	NLE
4,4'-DDE	4	83.99	0.0008	0.101	2
Dieldrin	1	83.99	0.0001	ND	0.042
Endrin	1	83.99	0.0002	ND	17
Endosulfan II	1	83.99	0.0002	ND	NLE
4,4'-DDD	4	83.99	0.0015	0.033	3
Endrin Aldehyde	1	83.99	0.0003	ND	NLE
4,4'-DDT	4	83.99	0.0004	0.046	2
Endosulfan-Sulfate	1	83.99	0.0006	ND	NLE
gamma -Chlordane	1	83.99	0.0006	ND	NLE
alpha-Chlordane	1	83.99	0.0006	ND	NLE
Toxaphene	1	83.99	0.0106	ND	0.1
Arochlor 1016	1	83.99	0.0375	ND	0.49
Arochlor 1221	1	83.99	0.0292	ND	0.49
Arochlor 1232	1	83.99	0.0292	ND	0.49
Arochlor 1242	1	83.99	0.0165	ND	0.49
Arochlor 1248	1	83.99	0.0292	ND	0.49
Arochlor 1254	1	83.99	0.0292	ND	0.49
Arochlor 1260	1	83.99	0.0398	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3403.27
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/12/98
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-43

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.08	0.0001	ND	NLE
beta-BHC	1	85.08	0.0001	ND	NLE
gamma-BHC	1	85.08	0.0001	ND	0.52
delta-BHC	1	85.08	0.0002	ND	NLE
Heptachlor	1	85.08	0.0001	ND	0.15
Aldrin	1	85.08	0.0002	ND	0.04
Heptachlor Epoxide	1	85.08	0.0001	ND	NLE
Endosulfan I	1	85.08	0.0001	ND	NLE
4,4'-DDE	4	85.08	0.0008	0.057	2
Dieldrin	1	85.08	0.0001	ND	0.042
Endrin	1	85.08	0.0002	ND	17
Endosulfan II	1	85.08	0.0001	ND	NLE
4,4'-DDD	4	85.08	0.0015	0.021	3
Endrin Aldehyde	1	85.08	0.0003	ND	NLE
4,4'-DDT	4	85.08	0.0003	0.023	2
Endosulfan-Sulfate	1	85.08	0.0005	ND	NLE
gamma -Chlordane	1	85.08	0.0006	ND	NLE
alpha-Chlordane	1	85.08	0.0006	ND	NLE
Toxaphene	1	85.08	0.0101	ND	0.1
Arochlor 1016	1	85.08	0.0355	ND	0.49
Arochlor 1221	1	85.08	0.0276	ND	0.49
Arochlor 1232	1	85.08	0.0276	ND	0.49
Arochlor 1242	1	85.08	0.0156	ND	0.49
Arochlor 1248	1	85.08	0.0276	ND	0.49
Arochlor 1254	1	85.08	0.0276	ND	0.49
Arochlor 1260	1	85.08	0.0376	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3403.29
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/12/98
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-44

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	87.11	0.0001	ND	NLE
beta-BHC	1	87.11	0.0001	ND	NLE
gamma-BHC	1	87.11	0.0001	ND	0.52
delta-BHC	1	87.11	0.0002	ND	NLE
Heptachlor	1	87.11	0.0002	ND	0.15
Aldrin	1	87.11	0.0002	ND	0.04
Heptachlor Epoxide	1	87.11	0.0001	ND	NLE
Endosulfan I	1	87.11	0.0001	ND	NLE
4,4'-DDE	4	87.11	0.0008	0.042	2
Dieldrin	1	87.11	0.0001	ND	0.042
Endrin	1	87.11	0.0002	ND	17
Endosulfan II	1	87.11	0.0002	ND	NLE
4,4'-DDD	4	87.11	0.0015	0.013	3
Endrin Aldehyde	1	87.11	0.0003	ND	NLE
4,4'-DDT	4	87.11	0.0003	0.020	2
Endosulfan Sulfate	1	87.11	0.0006	ND	NLE
gamma -Chlordane	1	87.11	0.0006	ND	NLE
alpha-Chlordane	1	87.11	0.0006	ND	NLE
Toxaphene	1	87.11	0.0103	ND	0.1
Arochlor 1016	1	87.11	0.0365	ND	0.49
Arochlor 1221	1	87.11	0.0284	ND	0.49
Arochlor 1232	1	87.11	0.0284	ND	0.49
Arochlor 1242	1	87.11	0.0160	ND	0.49
Arochlor 1248	1	87.11	0.0284	ND	0.49
Arochlor 1254	1	87.11	0.0284	ND	0.49
Arochlor 1260	1	87.11	0.0387	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3403.31
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/12/98
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-45

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	90.27	0.0001	ND	NLE
beta-BHC	1	90.27	0.0001	ND	NLE
gamma-BHC	1	90.27	0.0001	ND	0.52
delta-BHC	1	90.27	0.0002	ND	NLE
Heptachlor	1	90.27	0.0001	ND	0.15
Aldrin	1	90.27	0.0002	ND	0.04
Heptachlor Epoxide	1	90.27	0.0001	ND	NLE
Endosulfan I	1	90.27	0.0001	ND	NLE
4,4'-DDE	4	90.27	0.0007	0.043	2
Dieldrin	1	90.27	0.0001	ND	0.042
Endrin	1	90.27	0.0002	ND	17
Endosulfan II	1	90.27	0.0001	ND	NLE
4,4'-DDD	4	90.27	0.0014	0.017	3
Endrin Aldehyde	1	90.27	0.0003	ND	NLE
4,4'-DDT	4	90.27	0.0003	0.023	2
Endosulfan-Sulfate	1	90.27	0.0005	ND	NLE
gamma -Chlordane	1	90.27	0.0005	ND	NLE
alpha-Chlordane	1	90.27	0.0005	ND	NLE
Toxaphene	1	90.27	0.0099	ND	0.1
Arochlor 1016	1	90.27	0.0349	ND	0.49
Arochlor 1221	1	90.27	0.0272	ND	0.49
Arochlor 1232	1	90.27	0.0272	ND	0.49
Arochlor 1242	1	90.27	0.0153	ND	0.49
Arochlor 1248	1	90.27	0.0272	ND	0.49
Arochlor 1254	1	90.27	0.0272	ND	0.49
Arochlor 1260	1	90.27	0.0370	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client : U.S. Army
DPW. SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab. ID # : 3403.33
Date Rec'd: 3/12/98
Extraction Date: 3/17/98
Analysis Date: 4/2/98

Analysis: SW-846 Method 8080A
Matrix: Soil
Analyst: D. Wright

Location : M-4 Landfill
Ft. Monmouth, NJ
Field ID: M4-B-46

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.28	0.0001	ND	NLE
beta-BHC	1	89.28	0.0001	ND	NLE
gamma-BHC	1	89.28	0.0001	ND	0.52
delta-BHC	1	89.28	0.0002	ND	NLE
Heptachlor	1	89.28	0.0001	ND	0.15
Aldrin	1	89.28	0.0002	ND	0.04
Heptachlor Epoxide	1	89.28	0.0001	ND	NLE
Endosulfan I	1	89.28	0.0001	ND	NLE
4,4'-DDE	4	89.28	0.0007	0.021	2
Dieldrin	1	89.28	0.0001	ND	0.042
Endrin	1	89.28	0.0002	ND	17
Endosulfan II	4	89.28	0.0006	0.011	NLE
4,4'-DDD	4	89.28	0.0014	ND	3
Endrin Aldehyde	1	89.28	0.0003	ND	NLE
4,4'-DDT	4	89.28	0.0003	0.019	2
Endosulfan-Sulfate	1	89.28	0.0005	ND	NLE
gamma -Chlordane	1	89.28	0.0005	ND	NLE
alpha-Chlordane	1	89.28	0.0005	ND	NLE
Toxaphene	1	89.28	0.0099	ND	0.1
Arochlor 1016	1	89.28	0.0348	ND	0.49
Arochlor 1221	1	89.28	0.0271	ND	0.49
Arochlor 1232	1	89.28	0.0271	ND	0.49
Arochlor 1242	1	89.28	0.0153	ND	0.49
Arochlor 1248	1	89.28	0.0271	ND	0.49
Arochlor 1254	1	89.28	0.0271	ND	0.49
Arochlor 1260	1	89.28	0.0369	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3444.01
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/30/98
	Bldg. 173	**Extraction Date:**	3/30/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/12/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-47

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.33	0.0003	ND	NLE
beta-BHC	1	89.33	0.0003	ND	NLE
gamma-BHC	1	89.33	0.0003	ND	0.52
delta-BHC	1	89.33	0.0003	ND	NLE
Heptachlor	1	89.33	0.0003	ND	0.15
Aldrin	1	89.33	0.0003	ND	0.04
Heptachlor Epoxide	1	89.33	0.0003	ND	NLE
Endosulfan I	1	89.33	0.0003	ND	NLE
4,4'-DDE	4	89.33	0.0015	0.042	2
Dieldrin	1	89.33	0.0002	ND	0.042
Endrin	1	89.33	0.0003	ND	17
Endosulfan II	1	89.33	0.0003	ND	NLE
4,4'-DDD	4	89.33	0.0029	0.014	3
Endrin Aldehyde	1	89.33	0.0006	ND	NLE
4,4'-DDT	4	89.33	0.0007	0.035	2
Endosulfan-Sulfate	1	89.33	0.0011	ND	NLE
gamma -Chlordane	1	89.33	0.0011	ND	NLE
alpha-Chlordane	1	89.33	0.0011	ND	NLE
Toxaphene	1	89.33	0.0203	ND	0.1
Arochlor 1016	1	89.33	0.0715	ND	0.49
Arochlor 1221	1	89.33	0.0557	ND	0.49
Arochlor 1232	1	89.33	0.0557	ND	0.49
Arochlor 1242	1	89.33	0.0314	ND	0.49
Arochlor 1248	1	89.33	0.0557	ND	0.49
Arochlor 1254	1	89.33	0.0557	ND	0.49
Arochlor 1260	1	89.33	0.0757	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3444.02
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/30/98
	Bldg. 173	**Extraction Date:**	3/30/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/12/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-48

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	81.73	0.0003	ND	NLE
beta-BHC	1	81.73	0.0003	ND	NLE
gamma-BHC	1	81.73	0.0003	ND	0.52
delta-BHC	1	81.73	0.0003	ND	NLE
Heptachlor	1	81.73	0.0003	ND	0.15
Aldrin	1	81.73	0.0003	ND	0.04
Heptachlor Epoxide	1	81.73	0.0003	ND	NLE
Endosulfan I	1	81.73	0.0003	ND	NLE
4,4'-DDE	4	81.73	0.0016	0.074	2
Dieldrin	1	81.73	0.0002	ND	0.042
Endrin	1	81.73	0.0003	ND	17
Endosulfan II	1	81.73	0.0003	ND	NLE
4,4'-DDD	4	81.73	0.0031	0.043	3
Endrin Aldehyde	1	81.73	0.0006	ND	NLE
4,4'-DDT	4	81.73	0.0007	0.035	2
Endosulfan-Sulfate	1	81.73	0.0011	ND	NLE
gamma -Chlordane	1	81.73	0.0012	ND	NLE
alpha-Chlordane	1	81.73	0.0012	ND	NLE
Toxaphene	1	81.73	0.0212	ND	0.1
Arochlor 1016	1	81.73	0.0747	ND	0.49
Arochlor 1221	1	81.73	0.0582	ND	0.49
Arochlor 1232	1	81.73	0.0582	ND	0.49
Arochlor 1242	1	81.73	0.0328	ND	0.49
Arochlor 1248	1	81.73	0.0582	ND	0.49
Arochlor 1254	1	81.73	0.0582	ND	0.49
Arochlor 1260	1	81.73	0.0792	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3444.03
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/30/98
	Bldg. 173	**Extraction Date:**	3/30/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/12/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-49

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	87.67	0.0003	ND	NLE
beta-BHC	1	87.67	0.0003	ND	NLE
gamma-BHC	1	87.67	0.0003	ND	0.52
delta-BHC	1	87.67	0.0003	ND	NLE
Heptachlor	1	87.67	0.0003	ND	0.15
Aldrin	1	87.67	0.0003	ND	0.04
Heptachlor Epoxide	1	87.67	0.0003	ND	NLE
Endosulfan I	1	87.67	0.0003	ND	NLE
4,4'-DDE	1	87.67	0.0004	ND	2
Dieldrin	1	87.67	0.0002	ND	0.042
Endrin	1	87.67	0.0003	ND	17
Endosulfan II	1	87.67	0.0003	ND	NLE
4,4'-DDD	1	87.67	0.0007	ND	3
Endrin Aldehyde	1	87.67	0.0006	ND	NLE
4,4'-DDT	1	87.67	0.0002	ND	2
Endosulfan-Sulfate	1	87.67	0.0011	ND	NLE
gamma -Chlordane	1	87.67	0.0011	ND	NLE
alpha-Chlordane	1	87.67	0.0011	ND	NLE
Toxaphene	1	87.67	0.0199	ND	0.1
Arochlor 1016	1	87.67	0.0703	ND	0.49
Arochlor 1221	1	87.67	0.0547	ND	0.49
Arochlor 1232	1	87.67	0.0547	ND	0.49
Arochlor 1242	1	87.67	0.0309	ND	0.49
Arochlor 1248	1	87.67	0.0547	ND	0.49
Arochlor 1254	1	87.67	0.0547	ND	0.49
Arochlor 1260	1	87.67	0.0744	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Lab. ID # :** **Date Rec'd:** **Extraction Date:** **Analysis Date:**	3408.01 3/13/98 3/17/98 4/2/98
Analysis: **Matrix:** **Analyst:**	SW-846 Method 8080A Soil D. Wright	**Location :** **Field ID:**	M-4 Landfill Ft. Monmouth, NJ M4-B-50

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	88.79	0.0001	ND	NLE
beta-BHC	1	88.79	0.0001	ND	NLE
gamma-BHC	1	88.79	0.0001	ND	0.52
delta-BHC	1	88.79	0.0002	ND	NLE
Heptachlor	1	88.79	0.0001	ND	0.15
Aldrin	1	88.79	0.0002	ND	0.04
Heptachlor Epoxide	1	88.79	0.0001	ND	NLE
Endosulfan I	1	88.79	0.0001	ND	NLE
4,4'-DDE	4	88.79	0.0008	0.047	2
Dieldrin	1	88.79	0.0001	ND	0.042
Endrin	1	88.79	0.0002	ND	17
Endosulfan II	1	88.79	0.0001	ND	NLE
4,4'-DDD	4	88.79	0.0015	0.058	3
Endrin Aldehyde	1	88.79	0.0003	ND	NLE
4,4'-DDT	4	88.79	0.0003	0.016	2
Endosulfan-Sulfate	1	88.79	0.0005	ND	NLE
gamma -Chlordane	1	88.79	0.0006	ND	NLE
alpha-Chlordane	1	88.79	0.0006	ND	NLE
Toxaphene	1	88.79	0.0100	ND	0.1
Arochlor 1016	1	88.79	0.0354	ND	0.49
Arochlor 1221	1	88.79	0.0276	ND	0.49
Arochlor 1232	1	88.79	0.0276	ND	0.49
Arochlor 1242	1	88.79	0.0156	ND	0.49
Arochlor 1248	1	88.79	0.0276	ND	0.49
Arochlor 1254	1	88.79	0.0276	ND	0.49
Arochlor 1260	1	88.79	0.0375	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army DPW. SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Lab. ID # :** **Date Rec'd:** **Extraction Date:** **Analysis Date:**	3408.03 3/13/98 3/17/98 4/2/98
Analysis: **Matrix:** **Analyst:**	SW-846 Method 8080A Soil D. Wright	**Location :** **Field ID:**	M-4 Landfill Ft. Monmouth, NJ M4-B-51

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	90.11	0.0001	ND	NLE
beta-BHC	1	90.11	0.0001	ND	NLE
gamma-BHC	1	90.11	0.0001	ND	0.52
delta-BHC	1	90.11	0.0002	ND	NLE
Heptachlor	1	90.11	0.0001	ND	0.15
Aldrin	1	90.11	0.0002	ND	0.04
Heptachlor Epoxide	1	90.11	0.0001	ND	NLE
Endosulfan I	1	90.11	0.0001	ND	NLE
4,4'-DDE	4	90.11	0.0008	0.054	2
Dieldrin	1	90.11	0.0001	ND	0.042
Endrin	1	90.11	0.0002	ND	17
Endosulfan II	4	90.11	0.0006	0.008	NLE
4,4'-DDD	4	90.11	0.0015	0.047	3
Endrin Aldehyde	1	90.11	0.0003	ND	NLE
4,4'-DDT	4	90.11	0.0003	0.044	2
Endosulfan-Sulfate	1	90.11	0.0005	ND	NLE
gamma -Chlordane	1	90.11	0.0006	ND	NLE
alpha-Chlordane	1	90.11	0.0006	ND	NLE
Toxaphene	1	90.11	0.0101	ND	0.1
Arochlor 1016	1	90.11	0.0355	ND	0.49
Arochlor 1221	1	90.11	0.0277	ND	0.49
Arochlor 1232	1	90.11	0.0277	ND	0.49
Arochlor 1242	1	90.11	0.0156	ND	0.49
Arochlor 1248	1	90.11	0.0277	ND	0.49
Arochlor 1254	1	90.11	0.0277	ND	0.49
Arochlor 1260	1	90.11	0.0376	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

000554

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3408.05
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/13/98
	Bldg. 173	**Extraction Date:**	3/17/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-52

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.64	0.0001	ND	NLE
beta-BHC	1	84.64	0.0002	ND	NLE
gamma-BHC	1	84.64	0.0002	ND	0.52
delta-BHC	1	84.64	0.0002	ND	NLE
Heptachlor	1	84.64	0.0002	ND	0.15
Aldrin	1	84.64	0.0002	ND	0.04
Heptachlor Epoxide	1	84.64	0.0001	ND	NLE
Endosulfan I	1	84.64	0.0001	ND	NLE
4,4'-DDE	50	84.64	0.0098	0.256	2
Dieldrin	1	84.64	0.0001	ND	0.042
Endrin	1	84.64	0.0002	ND	17
Endosulfan II	1	84.64	0.0002	ND	NLE
4,4'-DDD	50	84.64	0.0191	0.188	3
Endrin Aldehyde	1	84.64	0.0003	ND	NLE
4,4'-DDT	50	84.64	0.0043	0.236	2
Endosulfan-Sulfate	1	84.64	0.0006	ND	NLE
gamma -Chlordane	1	84.64	0.0006	ND	NLE
alpha-Chlordane	1	84.64	0.0006	ND	NLE
Toxaphene	1	84.64	0.0105	ND	0.1
Arochlor 1016	1	84.64	0.0371	ND	0.49
Arochlor 1221	1	84.64	0.0289	ND	0.49
Arochlor 1232	1	84.64	0.0289	ND	0.49
Arochlor 1242	1	84.64	0.0163	ND	0.49
Arochlor 1248	1	84.64	0.0289	ND	0.49
Arochlor 1254	1	84.64	0.0289	ND	0.49
Arochlor 1260	1	84.64	0.0393	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3408.07
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/13/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98

Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-53

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.51	0.0001	ND	NLE
beta-BHC	1	89.51	0.0001	ND	NLE
gamma-BHC	1	89.51	0.0001	ND	0.52
delta-BHC	1	89.51	0.0002	ND	NLE
Heptachlor	1	89.51	0.0002	ND	0.15
Aldrin	1	89.51	0.0002	ND	0.04
Heptachlor Epoxide	1	89.51	0.0001	ND	NLE
Endosulfan I	1	89.51	0.0001	ND	NLE
4,4'-DDE	50	89.51	0.0095	0.376	2
Dieldrin	1	89.51	0.0001	ND	0.042
Endrin	1	89.51	0.0002	ND	17
Endosulfan II	1	89.51	0.0002	ND	NLE
4,4'-DDD	50	89.51	0.0184	0.175	3
Endrin Aldehyde	1	89.51	0.0003	ND	NLE
4,4'-DDT	50	89.51	0.0042	0.124	2
Endosulfan-Sulfate	1	89.51	0.0005	ND	NLE
gamma -Chlordane	1	89.51	0.0006	ND	NLE
alpha-Chlordane	1	89.51	0.0006	ND	NLE
Toxaphene	1	89.51	0.0101	ND	0.1
Arochlor 1016	1	89.51	0.0357	ND	0.49
Arochlor 1221	1	89.51	0.0278	ND	0.49
Arochlor 1232	1	89.51	0.0278	ND	0.49
Arochlor 1242	1	89.51	0.0157	ND	0.49
Arochlor 1248	1	89.51	0.0278	ND	0.49
Arochlor 1254	1	89.51	0.0278	ND	0.49
Arochlor 1260	1	89.51	0.0379	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3408.09
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/13/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-54

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.53	0.0001	ND	NLE
beta-BHC	1	84.53	0.0002	ND	NLE
gamma-BHC	1	84.53	0.0002	ND	0.52
delta-BHC	1	84.53	0.0002	ND	NLE
Heptachlor	1	84.53	0.0002	ND	0.15
Aldrin	1	84.53	0.0002	ND	0.04
Heptachlor Epoxide	1	84.53	0.0001	ND	NLE
Endosulfan I	1	84.53	0.0001	ND	NLE
4,4'-DDE	20	84.53	0.0039	0.600	2
Dieldrin	1	84.53	0.0001	ND	0.042
Endrin	1	84.53	0.0002	ND	17
Endosulfan II	1	84.53	0.0002	ND	NLE
4,4'-DDD	20	84.53	0.0076	0.205	3
Endrin Aldehyde	1	84.53	0.0003	ND	NLE
4,4'-DDT	20	84.53	0.0017	0.247	2
Endosulfan-Sulfate	1	84.53	0.0006	ND	NLE
gamma -Chlordane	1	84.53	0.0006	ND	NLE
alpha-Chlordane	1	84.53	0.0006	ND	NLE
Toxaphene	1	84.53	0.0105	ND	0.1
Arochlor 1016	1	84.53	0.0371	ND	0.49
Arochlor 1221	1	84.53	0.0289	ND	0.49
Arochlor 1232	1	84.53	0.0289	ND	0.49
Arochlor 1242	1	84.53	0.0163	ND	0.49
Arochlor 1248	1	84.53	0.0289	ND	0.49
Arochlor 1254	1	84.53	0.0289	ND	0.49
Arochlor 1260	1	84.53	0.0393	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

000557

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3408.11
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/13/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-55

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.74	0.0001	ND	NLE
beta-BHC	1	85.74	0.0001	ND	NLE
gamma-BHC	1	85.74	0.0001	ND	0.52
delta-BHC	1	85.74	0.0002	ND	NLE
Heptachlor	1	85.74	0.0002	ND	0.15
Aldrin	1	85.74	0.0002	ND	0.04
Heptachlor Epoxide	1	85.74	0.0001	ND	NLE
Endosulfan I	1	85.74	0.0001	ND	NLE
4,4'-DDE	1000	85.74	0.1902	3.263	2
Dieldrin	1	85.74	0.0001	ND	0.042
Endrin	1	85.74	0.0002	ND	17
Endosulfan II	1	85.74	0.0002	ND	NLE
4,4'-DDD	1000	85.74	0.3692	3.056	3
Endrin Aldehyde	1	85.74	0.0003	ND	NLE
4,4'-DDT	1000	85.74	0.0839	1.539	2
Endosulfan-Sulfate	1	85.74	0.0005	ND	NLE
gamma -Chlordane	1	85.74	0.0006	ND	NLE
alpha-Chlordane	1	85.74	0.0006	ND	NLE
Toxaphene	1	85.74	0.0102	ND	0.1
Arochlor 1016	1	85.74	0.0359	ND	0.49
Arochlor 1221	1	85.74	0.0280	ND	0.49
Arochlor 1232	1	85.74	0.0280	ND	0.49
Arochlor 1242	1	85.74	0.0158	ND	0.49
Arochlor 1248	1	85.74	0.0280	ND	0.49
Arochlor 1254	1	85.74	0.0280	ND	0.49
Arochlor 1260	1	85.74	0.0380	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3408.13
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/13/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-56

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.69	0.0001	ND	NLE
beta-BHC	1	85.69	0.0001	ND	NLE
gamma-BHC	1	85.69	0.0001	ND	0.52
delta-BHC	1	85.69	0.0002	ND	NLE
Heptachlor	1	85.69	0.0002	ND	0.15
Aldrin	1	85.69	0.0002	ND	0.04
Heptachlor Epoxide	1	85.69	0.0001	ND	NLE
Endosulfan I	1	85.69	0.0001	ND	NLE
4,4'-DDE	10	85.69	0.0019	0.163	2
Dieldrin	1	85.69	0.0001	ND	0.042
Endrin	1	85.69	0.0002	ND	17
Endosulfan II	1	85.69	0.0002	ND	NLE
4,4'-DDD	10	85.69	0.0038	0.073	3
Endrin Aldehyde	1	85.69	0.0003	ND	NLE
4,4'-DDT	10	85.69	0.0009	0.086	2
Endosulfan-Sulfate	1	85.69	0.0006	ND	NLE
gamma -Chlordane	1	85.69	0.0006	ND	NLE
alpha-Chlordane	1	85.69	0.0006	ND	NLE
Toxaphene	1	85.69	0.0104	ND	0.1
Arochlor 1016	1	85.69	0.0366	ND	0.49
Arochlor 1221	1	85.69	0.0285	ND	0.49
Arochlor 1232	1	85.69	0.0285	ND	0.49
Arochlor 1242	1	85.69	0.0161	ND	0.49
Arochlor 1248	1	85.69	0.0285	ND	0.49
Arochlor 1254	1	85.69	0.0285	ND	0.49
Arochlor 1260	1	85.69	0.0388	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3408.15
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/13/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/2/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-57

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.40	0.0001	ND	NLE
beta-BHC	1	84.40	0.0001	ND	NLE
gamma-BHC	1	84.40	0.0001	ND	0.52
delta-BHC	1	84.40	0.0002	ND	NLE
Heptachlor	1	84.40	0.0002	ND	0.15
Aldrin	1	84.40	0.0002	ND	0.04
Heptachlor Epoxide	1	84.40	0.0001	ND	NLE
Endosulfan I	1	84.40	0.0001	ND	NLE
4,4'-DDE	20	84.40	0.0038	0.207	2
Dieldrin	1	84.40	0.0001	ND	0.042
Endrin	1	84.40	0.0002	ND	17
Endosulfan II	1	84.40	0.0002	ND	NLE
4,4'-DDD	20	84.40	0.0074	0.290	3
Endrin Aldehyde	1	84.40	0.0003	ND	NLE
4,4'-DDT	20	84.40	0.0017	0.329	2
Endosulfan-Sulfate	1	84.40	0.0005	ND	NLE
gamma -Chlordane	1	84.40	0.0006	ND	NLE
alpha-Chlordane	1	84.40	0.0006	ND	NLE
Toxaphene	1	84.40	0.0102	ND	0.1
Arochlor 1016	1	84.40	0.0361	ND	0.49
Arochlor 1221	1	84.40	0.0281	ND	0.49
Arochlor 1232	1	84.40	0.0281	ND	0.49
Arochlor 1242	1	84.40	0.0159	ND	0.49
Arochlor 1248	1	84.40	0.0281	ND	0.49
Arochlor 1254	1	84.40	0.0281	ND	0.49
Arochlor 1260	1	84.40	0.0383	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3408.17
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/13/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/3/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-58

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.57	0.0001	ND	NLE
beta-BHC	1	89.57	0.0001	ND	NLE
gamma-BHC	1	89.57	0.0001	ND	0.52
delta-BHC	1	89.57	0.0002	ND	NLE
Heptachlor	1	89.57	0.0001	ND	0.15
Aldrin	1	89.57	0.0002	ND	0.04
Heptachlor Epoxide	1	89.57	0.0001	ND	NLE
Endosulfan I	1	89.57	0.0001	ND	NLE
4,4'-DDE	4	89.57	0.0007	0.057	2
Dieldrin	1	89.57	0.0001	ND	0.042
Endrin	1	89.57	0.0002	ND	17
Endosulfan II	4	89.57	0.0006	0.005	NLE
4,4'-DDD	4	89.57	0.0014	0.043	3
Endrin Aldehyde	1	89.57	0.0003	ND	NLE
4,4'-DDT	4	89.57	0.0003	0.039	2
Endosulfan-Sulfate	1	89.57	0.0005	ND	NLE
gamma -Chlordane	1	89.57	0.0005	ND	NLE
alpha-Chlordane	1	89.57	0.0005	ND	NLE
Toxaphene	1	89.57	0.0100	ND	0.1
Arochlor 1016	1	89.57	0.0351	ND	0.49
Arochlor 1221	1	89.57	0.0273	ND	0.49
Arochlor 1232	1	89.57	0.0273	ND	0.49
Arochlor 1242	1	89.57	0.0154	ND	0.49
Arochlor 1248	1	89.57	0.0273	ND	0.49
Arochlor 1254	1	89.57	0.0273	ND	0.49
Arochlor 1260	1	89.57	0.0372	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3408.19
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/13/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/3/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-59

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.93	0.0001	ND	NLE
beta-BHC	1	85.93	0.0001	ND	NLE
gamma-BHC	1	85.93	0.0001	ND	0.52
delta-BHC	1	85.93	0.0002	ND	NLE
Heptachlor	1	85.93	0.0002	ND	0.15
Aldrin	1	85.93	0.0002	ND	0.04
Heptachlor Epoxide	1	85.93	0.0001	ND	NLE
Endosulfan I	1	85.93	0.0001	ND	NLE
4,4'-DDE	4	85.93	0.0008	0.067	2
Dieldrin	1	85.93	0.0001	ND	0.042
Endrin	1	85.93	0.0002	ND	17
Endosulfan II	1	85.93	0.0002	ND	NLE
4,4'-DDD	4	85.93	0.0015	0.057	3
Endrin Aldehyde	1	85.93	0.0003	ND	NLE
4,4'-DDT	4	85.93	0.0003	0.054	2
Endosulfan-Sulfate	1	85.93	0.0006	ND	NLE
gamma -Chlordane	1	85.93	0.0006	ND	NLE
alpha-Chlordane	1	85.93	0.0006	ND	NLE
Toxaphene	1	85.93	0.0104	ND	0.1
Arochlor 1016	1	85.93	0.0365	ND	0.49
Arochlor 1221	1	85.93	0.0284	ND	0.49
Arochlor 1232	1	85.93	0.0284	ND	0.49
Arochlor 1242	1	85.93	0.0160	ND	0.49
Arochlor 1248	1	85.93	0.0284	ND	0.49
Arochlor 1254	1	85.93	0.0284	ND	0.49
Arochlor 1260	1	85.93	0.0387	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3408.21
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/13/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/3/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-60

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	81.77	0.0001	ND	NLE
beta-BHC	1	81.77	0.0002	ND	NLE
gamma-BHC	1	81.77	0.0002	ND	0.52
delta-BHC	1	81.77	0.0002	ND	NLE
Heptachlor	1	81.77	0.0002	ND	0.15
Aldrin	1	81.77	0.0002	ND	0.04
Heptachlor Epoxide	1	81.77	0.0001	ND	NLE
Endosulfan I	1	81.77	0.0001	ND	NLE
4,4'-DDE	10	81.77	0.0020	0.187	2
Dieldrin	1	81.77	0.0001	ND	0.042
Endrin	1	81.77	0.0002	ND	17
Endosulfan II	1	81.77	0.0002	ND	NLE
4,4'-DDD	10	81.77	0.0039	0.164	3
Endrin Aldehyde	1	81.77	0.0003	ND	NLE
4,4'-DDT	10	81.77	0.0009	0.046	2
Endosulfan-Sulfate	1	81.77	0.0006	ND	NLE
gamma -Chlordane	1	81.77	0.0006	ND	NLE
alpha-Chlordane	1	81.77	0.0006	ND	NLE
Toxaphene	1	81.77	0.0106	ND	0.1
Arochlor 1016	1	81.77	0.0375	ND	0.49
Arochlor 1221	1	81.77	0.0292	ND	0.49
Arochlor 1232	1	81.77	0.0292	ND	0.49
Arochlor 1242	1	81.77	0.0165	ND	0.49
Arochlor 1248	1	81.77	0.0292	ND	0.49
Arochlor 1254	1	81.77	0.0292	ND	0.49
Arochlor 1260	1	81.77	0.0398	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3408.23
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/13/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/3/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-61

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.15	0.0001	ND	NLE
beta-BHC	1	84.15	0.0001	ND	NLE
gamma-BHC	1	84.15	0.0001	ND	0.52
delta-BHC	1	84.15	0.0002	ND	NLE
Heptachlor	1	84.15	0.0002	ND	0.15
Aldrin	1	84.15	0.0002	ND	0.04
Heptachlor Epoxide	1	84.15	0.0001	ND	NLE
Endosulfan I	1	84.15	0.0001	ND	NLE
4,4'-DDE	5	84.15	0.0010	0.283	2
Dieldrin	1	84.15	0.0001	ND	0.042
Endrin	1	84.15	0.0002	ND	17
Endosulfan II	1	84.15	0.0002	ND	NLE
4,4'-DDD	5	84.15	0.0019	0.259	3
Endrin Aldehyde	1	84.15	0.0003	ND	NLE
4,4'-DDT	5	84.15	0.0004	0.355	2
Endosulfan-Sulfate	1	84.15	0.0006	ND	NLE
gamma -Chlordane	1	84.15	0.0006	ND	NLE
alpha-Chlordane	1	84.15	0.0006	ND	NLE
Toxaphene	1	84.15	0.0104	ND	0.1
Arochlor 1016	1	84.15	0.0367	ND	0.49
Arochlor 1221	1	84.15	0.0286	ND	0.49
Arochlor 1232	1	84.15	0.0286	ND	0.49
Arochlor 1242	1	84.15	0.0161	ND	0.49
Arochlor 1248	1	84.15	0.0286	ND	0.49
Arochlor 1254	1	84.15	0.0286	ND	0.49
Arochlor 1260	1	84.15	0.0389	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

000564

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3408.25
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/13/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/3/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-62

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	86.99	0.0001	ND	NLE
beta-BHC	1	86.99	0.0001	ND	NLE
gamma-BHC	1	86.99	0.0001	ND	0.52
delta-BHC	1	86.99	0.0002	ND	NLE
Heptachlor	1	86.99	0.0002	ND	0.15
Aldrin	1	86.99	0.0002	ND	0.04
Heptachlor Epoxide	1	86.99	0.0001	ND	NLE
Endosulfan I	1	86.99	0.0001	ND	NLE
4,4'-DDE	4	86.99	0.0008	0.003	2
Dieldrin	1	86.99	0.0001	ND	0.042
Endrin	1	86.99	0.0002	ND	17
Endosulfan II	1	86.99	0.0002	ND	NLE
4,4'-DDD	1	86.99	0.0004	ND	3
Endrin Aldehyde	1	86.99	0.0003	ND	NLE
4,4'-DDT	4	86.99	0.0003	0.007	2
Endosulfan-Sulfate	1	86.99	0.0006	ND	NLE
gamma -Chlordane	1	86.99	0.0006	ND	NLE
alpha-Chlordane	1	86.99	0.0006	ND	NLE
Toxaphene	1	86.99	0.0104	ND	0.1
Arochlor 1016	1	86.99	0.0367	ND	0.49
Arochlor 1221	1	86.99	0.0286	ND	0.49
Arochlor 1232	1	86.99	0.0286	ND	0.49
Arochlor 1242	1	86.99	0.0161	ND	0.49
Arochlor 1248	1	86.99	0.0286	ND	0.49
Arochlor 1254	1	86.99	0.0286	ND	0.49
Arochlor 1260	1	86.99	0.0388	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3408.27
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/13/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/3/98
Analysis:	SW-846 Method 8080A	**Location :**	M-4 Landfill
Matrix:	Soil		Ft. Monmouth, NJ
Analyst:	D. Wright	**Field ID:**	M4-B-63

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.25	0.0001	ND	NLE
beta-BHC	1	89.25	0.0001	ND	NLE
gamma-BHC	1	89.25	0.0001	ND	0.52
delta-BHC	1	89.25	0.0002	ND	NLE
Heptachlor	1	89.25	0.0001	ND	0.15
Aldrin	1	89.25	0.0001	ND	0.04
Heptachlor Epoxide	1	89.25	0.0001	ND	NLE
Endosulfan I	1	89.25	0.0001	ND	NLE
4,4'-DDE	20	89.25	0.0036	0.183	2
Dieldrin	1	89.25	0.0001	ND	0.042
Endrin	1	89.25	0.0002	ND	17
Endosulfan II	1	89.25	0.0001	ND	NLE
4,4'-DDD	20	89.25	0.0069	0.032	3
Endrin Aldehyde	1	89.25	0.0003	ND	NLE
4,4'-DDT	20	89.25	0.0016	0.113	2
Endosulfan-Sulfate	1	89.25	0.0005	ND	NLE
gamma -Chlordane	1	89.25	0.0005	ND	NLE
alpha-Chlordane	1	89.25	0.0005	ND	NLE
Toxaphene	1	89.25	0.0095	ND	0.1
Arochlor 1016	1	89.25	0.0336	ND	0.49
Arochlor 1221	1	89.25	0.0262	ND	0.49
Arochlor 1232	1	89.25	0.0262	ND	0.49
Arochlor 1242	1	89.25	0.0148	ND	0.49
Arochlor 1248	1	89.25	0.0262	ND	0.49
Arochlor 1254	1	89.25	0.0262	ND	0.49
Arochlor 1260	1	89.25	0.0356	ND	0.49

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

METHOD BLANKS

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3398
Sample Received: 03/10/98
Sample Preparation: 03/30/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

METHOD BLANK SUMMARY (ppm)

Element	Date Analyzed	Result	MDL
Aluminum	03/31/98	0.07	0.01
Antimony	03/31/98	ND	0.002
Arsenic	03/31/98	ND	0.002
Barium	03/31/98	0.0016	0.0005
Beryllium	03/31/98	ND	0.0005
Cadmium	03/31/98	0.0022	0.0005
Calcium	03/31/98	0.58	0.02
Chromium	03/31/98	ND	0.0005
Cobalt	03/31/98	ND	0.0005
Copper	03/31/98	ND	0.003
Iron	03/31/98	0.12	0.01
Lead	03/31/98	ND	0.002
Magnesium	03/31/98	0.04	0.02
Manganese	03/31/98	0.0008	0.0005
Mercury	03/20/98	ND	0.0002
Nickel	03/31/98	0.0008	0.0005
Potassium	03/31/98	ND	0.02
Selenium	03/31/98	ND	0.002
Silver	03/31/98	ND	0.003
Sodium	03/31/98	0.26	0.02
Thallium	03/31/98	ND	0.003
Vanadium	03/31/98	ND	0.001
Zinc	03/31/98	0.004	0.001

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

FIELD DUPLICATES

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.29
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: Field Dup #1

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	5524	NLE	0.859
Antimony	03/31/98	1.420	14	0.172
Arsenic	03/31/98	17.79	20	0.172
Barium	03/31/98	42.18	700	0.043
Beryllium	03/31/98	1.280	1	0.043
Cadmium	03/31/98	ND	1	0.043
Calcium	03/31/98	2457	NLE	1.717
Chromium	03/31/98	86.69	NLE	0.043
Cobalt	03/31/98	2.435	NLE	0.043
Copper	03/31/98	8.497	600	0.258
Iron	03/31/98	30440	NLE	0.859
Lead	03/31/98	22.79	100	0.172
Magnesium	03/31/98	3446	NLE	1.717
Manganese	03/31/98	66.40	NLE	0.043
Mercury	03/21/98	0.058	14	0.010
Nickel	03/31/98	8.798	250	0.043
Potassium	03/31/98	3612	NLE	1.717
Selenium	03/31/98	ND	63	0.258
Silver	03/31/98	ND	110	0.258
Sodium	03/31/98	58.32	NLE	1.717
Thallium	03/31/98	ND	2	0.258
Vanadium	03/31/98	16.62	370	0.086
Zinc	03/31/98	63.27	1500	0.086

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.37
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: Field Dup.#2

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	9340	NLE	1.176
Antimony	03/31/98	1.723	14	0.235
Arsenic	03/31/98	17.37	20	0.235
Barium	03/31/98	47.37	700	0.059
Beryllium	03/31/98	1.220	1	0.059
Cadmium	03/31/98	ND	1	0.059
Calcium	03/31/98	1552	NLE	2.352
Chromium	03/31/98	94.18	NLE	0.059
Cobalt	03/31/98	1.834	NLE	0.059
Copper	03/31/98	6.153	600	0.353
Iron	03/31/98	29400	NLE	1.176
Lead	03/31/98	15.09	100	0.235
Magnesium	03/31/98	3057	NLE	2.352
Manganese	03/31/98	38.37	NLE	0.059
Mercury	03/23/98	0.061	14	0.011
Nickel	03/31/98	6.576	250	0.059
Potassium	03/31/98	6135	NLE	2.352
Selenium	03/31/98	ND	63	0.353
Silver	03/31/98	ND	110	0.353
Sodium	03/31/98	39.88	NLE	2.352
Thallium	03/31/98	ND	2	0.353
Vanadium	03/31/98	28.11	370	0.118
Zinc	03/31/98	51.91	1500	0.118

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3408.29
Sample Received: 03/13/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: Field Dup. #3

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	10190	NLE	1.193
Antimony	03/31/98	2.035	14	0.239
Arsenic	03/31/98	16.94	20	0.239
Barium	03/31/98	46.58	700	0.060
Beryllium	03/31/98	1.371	1	0.060
Cadmium	03/31/98	ND	1	0.060
Calcium	03/31/98	1196	NLE	2.386
Chromium	03/31/98	104.5	NLE	0.060
Cobalt	03/31/98	2.001	NLE	0.060
Copper	03/31/98	7.248	600	0.358
Iron	03/31/98	32780	NLE	1.193
Lead	03/31/98	13.92	100	0.239
Magnesium	03/31/98	3596	NLE	2.386
Manganese	03/31/98	19.97	NLE	0.060
Mercury	03/27/98	0.036	14	0.012
Nickel	03/31/98	7.391	250	0.060
Potassium	03/31/98	7955	NLE	2.386
Selenium	03/31/98	ND	63	0.358
Silver	03/31/98	ND	110	0.358
Sodium	03/31/98	27.43	NLE	2.386
Thallium	03/31/98	ND	2	0.358
Vanadium	03/31/98	25.13	370	0.119
Zinc	03/31/98	60.95	1500	0.119

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

SAMPLES

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3396.01
Sample Received: 03/09/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-1

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result (mg/Kg)	Soil Cleanup Criteria	MDL (mg/Kg)
Aluminium	03/31/98	9445	NLE	1.197
Antimony	03/31/98	1.284	14	0.239
Arsenic	03/31/98	12.96	20	0.239
Barium	03/31/98	25.37	700	0.060
Beryllium	03/31/98	0.8537	1	0.060
Cadmium	03/31/98	ND	1	0.060
Calcium	03/31/98	1214	NLE	2.395
Chromium	03/31/98	75.85	NLE	0.060
Cobalt	03/31/98	1.315	NLE	0.060
Copper	03/31/98	6.873	600	0.359
Iron	03/31/98	23260	NLE	1.197
Lead	03/31/98	35.59	100	0.239
Magnesium	03/31/98	2528	NLE	2.395
Manganese	03/31/98	35.52	NLE	0.060
Mercury	03/20/98	0.063	14	0.008
Nickel	03/31/98	4.741	250	0.060
Potassium	03/31/98	7070	NLE	2.395
Selenium	03/31/98	ND	63	0.359
Silver	03/31/98	ND	110	0.359
Sodium	03/31/98	46.39	NLE	2.395
Thallium	03/31/98	ND	2	0.359
Vanadium	03/31/98	34.02	370	0.120
Zinc	03/31/98	31.28	1500	0.120

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3396.03
Sample Received: 03/09/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-2

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result (mg/Kg)	Soil Cleanup Criteria	MDL (mg/Kg)
Aluminium	03/31/98	10130	NLE	1.092
Antimony	03/31/98	1.466	14	0.218
Arsenic	03/31/98	12.27	20	0.218
Barium	03/31/98	45.01	700	0.055
Beryllium	03/31/98	1.014	1	0.055
Cadmium	03/31/98	ND	1	0.055
Calcium	03/31/98	1870	NLE	2.184
Chromium	03/31/98	83.52	NLE	0.055
Cobalt	03/31/98	1.765	NLE	0.055
Copper	03/31/98	6.473	600	0.328
Iron	03/31/98	27010	NLE	1.092
Lead	03/31/98	20.29	100	0.218
Magnesium	03/31/98	2808	NLE	2.184
Manganese	03/31/98	36.78	NLE	0.055
Mercury	03/20/98	0.042	14	0.012
Nickel	03/31/98	5.959	250	0.055
Potassium	03/31/98	5790	NLE	2.184
Selenium	03/31/98	ND	63	0.328
Silver	03/31/98	ND	110	0.328
Sodium	03/31/98	37.39	NLE	2.184
Thallium	03/31/98	ND	2	0.328
Vanadium	03/31/98	31.28	370	0.109
Zinc	03/31/98	47.69	1500	0.109

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3396.05
Sample Received: 03/09/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-3

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result (mg/Kg)	Soil Cleanup Criteria	MDL (mg/Kg)
Aluminium	03/31/98	14020	NLE	0.996
Antimony	03/31/98	2.225	14	0.199
Arsenic	03/31/98	22.31	20	0.199
Barium	03/31/98	49.94	700	0.050
Beryllium	03/31/98	1.678	1	0.050
Cadmium	03/31/98	ND	1	0.050
Calcium	03/31/98	2000	NLE	1.992
Chromium	03/31/98	129.0	NLE	0.050
Cobalt	03/31/98	2.714	NLE	0.050
Copper	03/31/98	10.75	600	0.299
Iron	03/31/98	41270	NLE	0.996
Lead	03/31/98	22.22	100	0.199
Magnesium	03/31/98	5079	NLE	1.992
Manganese	03/31/98	56.29	NLE	0.050
Mercury	03/20/98	0.050	14	0.012
Nickel	03/31/98	8.751	250	0.050
Potassium	03/31/98	11410	NLE	1.992
Selenium	03/31/98	ND	63	0.299
Silver	03/31/98	ND	110	0.299
Sodium	03/31/98	66.26	NLE	1.992
Thallium	03/31/98	ND	2	0.299
Vanadium	03/31/98	50.05	370	0.100
Zinc	03/31/98	67.57	1500	0.100

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3398.01
Sample Received: 03/10/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-4

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	12760	NLE	1.059
Antimony	03/31/98	1.300	14	0.212
Arsenic	03/31/98	7.751	20	0.212
Barium	03/31/98	31.31	700	0.053
Beryllium	03/31/98	0.8095	1	0.053
Cadmium	03/31/98	ND	1	0.053
Calcium	03/31/98	1030	NLE	2.118
Chromium	03/31/98	68.88	NLE	0.053
Cobalt	03/31/98	1.734	NLE	0.053
Copper	03/31/98	4.954	600	0.318
Iron	03/31/98	24520	NLE	1.059
Lead	03/31/98	9.185	100	0.212
Magnesium	03/31/98	2548	NLE	2.118
Manganese	03/31/98	27.33	NLE	0.053
Mercury	03/20/98	0.0335	14	0.012
Nickel	03/31/98	5.768	250	0.053
Potassium	03/31/98	5828	NLE	2.118
Selenium	03/31/98	ND	63	0.318
Silver	03/31/98	ND	110	0.318
Sodium	03/31/98	114.1	NLE	2.118
Thallium	03/31/98	ND	2	0.318
Vanadium	03/31/98	40.86	370	0.106
Zinc	03/31/98	29.65	1500	0.106

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3398.03
Sample Received: 03/10/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-5

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	15930	NLE	1.049
Antimony	03/31/98	1.356	14	0.210
Arsenic	03/31/98	9.701	20	0.210
Barium	03/31/98	39.96	700	0.052
Beryllium	03/31/98	1.061	1	0.052
Cadmium	03/31/98	ND	1	0.052
Calcium	03/31/98	1347	NLE	2.099
Chromium	03/31/98	85.85	NLE	0.052
Cobalt	03/31/98	2.150	NLE	0.052
Copper	03/31/98	5.973	600	0.315
Iron	03/31/98	29380	NLE	1.049
Lead	03/31/98	11.77	100	0.210
Magnesium	03/31/98	3319	NLE	2.099
Manganese	03/31/98	33.97	NLE	0.052
Mercury	03/20/98	0.0329	14	0.012
Nickel	03/31/98	7.245	250	0.052
Potassium	03/31/98	7789	NLE	2.099
Selenium	03/31/98	ND	63	0.315
Silver	03/31/98	ND	110	0.315
Sodium	03/31/98	81.27	NLE	2.099
Thallium	03/31/98	ND	2	0.315
Vanadium	03/31/98	49.68	370	0.105
Zinc	03/31/98	37.72	1500	0.105

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3398.05
Sample Received: 03/10/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-6

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	13620	NLE	1.155
Antimony	03/31/98	1.956	14	0.231
Arsenic	03/31/98	12.05	20	0.231
Barium	03/31/98	46.71	700	0.058
Beryllium	03/31/98	1.202	1	0.058
Cadmium	03/31/98	ND	1	0.058
Calcium	03/31/98	1590	NLE	2.311
Chromium	03/31/98	98.45	NLE	0.058
Cobalt	03/31/98	2.312	NLE	0.058
Copper	03/31/98	7.537	600	0.347
Iron	03/31/98	30740	NLE	1.155
Lead	03/31/98	17.06	100	0.231
Magnesium	03/31/98	3804	NLE	2.311
Manganese	03/31/98	51.08	NLE	0.058
Mercury	03/20/98	0.0489	14	0.012
Nickel	03/31/98	7.622	250	0.058
Potassium	03/31/98	8158	NLE	2.311
Selenium	03/31/98	ND	63	0.347
Silver	03/31/98	ND	110	0.347
Sodium	03/31/98	84.97	NLE	2.311
Thallium	03/31/98	ND	2	0.347
Vanadium	03/31/98	49.62	370	0.116
Zinc	03/31/98	50.75	1500	0.116

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3398.07
Sample Received: 03/10/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-7

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	8828	NLE	1.139
Antimony	03/31/98	1.481	14	0.228
Arsenic	03/31/98	8.095	20	0.228
Barium	03/31/98	26.00	700	0.057
Beryllium	03/31/98	1.007	1	0.057
Cadmium	03/31/98	ND	1	0.057
Calcium	03/31/98	1174	NLE	2.279
Chromium	03/31/98	75.95	NLE	0.057
Cobalt	03/31/98	1.325	NLE	0.057
Copper	03/31/98	4.121	600	0.342
Iron	03/31/98	24800	NLE	1.139
Lead	03/31/98	8.044	100	0.228
Magnesium	03/31/98	2717	NLE	2.279
Manganese	03/31/98	36.11	NLE	0.057
Mercury	03/20/98	0.0282	14	0.012
Nickel	03/31/98	5.251	250	0.057
Potassium	03/31/98	7498	NLE	2.279
Selenium	03/31/98	ND	63	0.342
Silver	03/31/98	ND	110	0.342
Sodium	03/31/98	39.76	NLE	2.279
Thallium	03/31/98	ND	2	0.342
Vanadium	03/31/98	35.85	370	0.114
Zinc	03/31/98	34.03	1500	0.114

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3398.09
Sample Received: 03/10/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-8

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	6435	NLE	1.051
Antimony	03/31/98	0.756	14	0.210
Arsenic	03/31/98	4.872	20	0.210
Barium	03/31/98	16.94	700	0.053
Beryllium	03/31/98	0.4497	1	0.053
Cadmium	03/31/98	ND	1	0.053
Calcium	03/31/98	684.7	NLE	2.102
Chromium	03/31/98	36.55	NLE	0.053
Cobalt	03/31/98	1.100	NLE	0.053
Copper	03/31/98	4.341	600	0.315
Iron	03/31/98	12860	NLE	1.051
Lead	03/31/98	16.24	100	0.210
Magnesium	03/31/98	1223	NLE	2.102
Manganese	03/31/98	23.54	NLE	0.053
Mercury	03/20/98	0.0195	14	0.011
Nickel	03/31/98	3.712	250	0.053
Potassium	03/31/98	3267	NLE	2.102
Selenium	03/31/98	ND	63	0.315
Silver	03/31/98	ND	110	0.315
Sodium	03/31/98	39.17	NLE	2.102
Thallium	03/31/98	ND	2	0.315
Vanadium	03/31/98	23.22	370	0.105
Zinc	03/31/98	25.78	1500	0.105

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3398.11
Sample Received: 03/10/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-9

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	11800	NLE	1.048
Antimony	03/31/98	1.886	14	0.210
Arsenic	03/31/98	15.67	20	0.210
Barium	03/31/98	42.69	700	0.052
Beryllium	03/31/98	1.473	1	0.052
Cadmium	03/31/98	ND	1	0.052
Calcium	03/31/98	1695	NLE	2.097
Chromium	03/31/98	113.7	NLE	0.052
Cobalt	03/31/98	2.041	NLE	0.052
Copper	03/31/98	6.824	600	0.315
Iron	03/31/98	36160	NLE	1.048
Lead	03/31/98	22.24	100	0.210
Magnesium	03/31/98	4547	NLE	2.097
Manganese	03/31/98	47.22	NLE	0.052
Mercury	03/20/98	0.0716	14	0.012
Nickel	03/31/98	7.444	250	0.052
Potassium	03/31/98	9890	NLE	2.097
Selenium	03/31/98	ND	63	0.315
Silver	03/31/98	ND	110	0.315
Sodium	03/31/98	205.3	NLE	2.097
Thallium	03/31/98	ND	2	0.315
Vanadium	03/31/98	46.84	370	0.105
Zinc	03/31/98	56.89	1500	0.105

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3398.13
Sample Received: 03/10/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-10

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	13140	NLE	0.883
Antimony	03/31/98	2.156	14	0.177
Arsenic	03/31/98	16.23	20	0.177
Barium	03/31/98	45.05	700	0.044
Beryllium	03/31/98	1.485	1	0.044
Cadmium	03/31/98	ND	1	0.044
Calcium	03/31/98	1761	NLE	1.765
Chromium	03/31/98	112.6	NLE	0.044
Cobalt	03/31/98	2.579	NLE	0.044
Copper	03/31/98	19.79	600	0.265
Iron	03/31/98	35790	NLE	0.883
Lead	03/31/98	35.74	100	0.177
Magnesium	03/31/98	4495	NLE	1.765
Manganese	03/31/98	59.79	NLE	0.044
Mercury	03/20/98	0.0362	14	0.011
Nickel	03/31/98	8.450	250	0.044
Potassium	03/31/98	10310	NLE	1.765
Selenium	03/31/98	ND	63	0.265
Silver	03/31/98	ND	110	0.265
Sodium	03/31/98	188.0	NLE	1.765
Thallium	03/31/98	ND	2	0.265
Vanadium	03/31/98	46.94	370	0.088
Zinc	03/31/98	78.94	1500	0.088

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3398.15
Sample Received: 03/10/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-11

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	10280	NLE	1.180
Antimony	03/31/98	1.487	14	0.236
Arsenic	03/31/98	9.697	20	0.236
Barium	03/31/98	34.90	700	0.059
Beryllium	03/31/98	1.044	1	0.059
Cadmium	03/31/98	ND	1	0.059
Calcium	03/31/98	1504	NLE	2.360
Chromium	03/31/98	81.99	NLE	0.059
Cobalt	03/31/98	1.681	NLE	0.059
Copper	03/31/98	10.83	600	0.354
Iron	03/31/98	26750	NLE	1.180
Lead	03/31/98	21.95	100	0.236
Magnesium	03/31/98	2983	NLE	2.360
Manganese	03/31/98	42.69	NLE	0.059
Mercury	03/20/98	0.0352	14	0.012
Nickel	03/31/98	6.448	250	0.059
Potassium	03/31/98	6338	NLE	2.360
Selenium	03/31/98	ND	63	0.354
Silver	03/31/98	ND	110	0.354
Sodium	03/31/98	90.27	NLE	2.360
Thallium	03/31/98	ND	2	0.354
Vanadium	03/31/98	42.37	370	0.118
Zinc	03/31/98	47.55	1500	0.118

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3398.17
Sample Received: 03/10/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-12

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	14860	NLE	0.801
Antimony	03/31/98	2.553	14	0.160
Arsenic	03/31/98	25.22	20	0.160
Barium	03/31/98	63.22	700	0.040
Beryllium	03/31/98	1.920	1	0.040
Cadmium	03/31/98	ND	1	0.040
Calcium	03/31/98	1687	NLE	1.602
Chromium	03/31/98	150.9	NLE	0.040
Cobalt	03/31/98	2.807	NLE	0.040
Copper	03/31/98	14.31	600	0.240
Iron	03/31/98	46460	NLE	0.801
Lead	03/31/98	33.22	100	0.160
Magnesium	03/31/98	5838	NLE	1.602
Manganese	03/31/98	73.85	NLE	0.040
Mercury	03/20/98	0.0441	14	0.013
Nickel	03/31/98	10.20	250	0.040
Potassium	03/31/98	14310	NLE	1.602
Selenium	03/31/98	ND	63	0.240
Silver	03/31/98	ND	110	0.240
Sodium	03/31/98	202.3	NLE	1.602
Thallium	03/31/98	ND	2	0.240
Vanadium	03/31/98	52.96	370	0.080
Zinc	03/31/98	90.04	1500	0.080

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.01
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-13

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	17930	NLE	1.027
Antimony	03/31/98	2.457	14	0.205
Arsenic	03/31/98	20.03	20	0.205
Barium	03/31/98	55.32	700	0.051
Beryllium	03/31/98	1.821	1	0.051
Cadmium	03/31/98	ND	1	0.051
Calcium	03/31/98	2946	NLE	2.053
Chromium	03/31/98	150.0	NLE	0.051
Cobalt	03/31/98	3.356	NLE	0.051
Copper	03/31/98	18.94	600	0.308
Iron	03/31/98	46470	NLE	1.027
Lead	03/31/98	39.36	100	0.205
Magnesium	03/31/98	6329	NLE	2.053
Manganese	03/31/98	74.08	NLE	0.051
Mercury	03/20/98	0.055	14	0.013
Nickel	03/31/98	11.07	250	0.051
Potassium	03/31/98	13970	NLE	2.053
Selenium	03/31/98	ND	63	0.308
Silver	03/31/98	ND	110	0.308
Sodium	03/31/98	218.9	NLE	2.053
Thallium	03/31/98	ND	2	0.308
Vanadium	03/31/98	74.26	370	0.103
Zinc	03/31/98	91.33	1500	0.103

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.03
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-14

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	12960	NLE	1.102
Antimony	03/31/98	1.765	14	0.220
Arsenic	03/31/98	18.43	20	0.220
Barium	03/31/98	47.54	700	0.055
Beryllium	03/31/98	1.605	1	0.055
Cadmium	03/31/98	ND	1	0.055
Calcium	03/31/98	2186	NLE	2.204
Chromium	03/31/98	121.9	NLE	0.055
Cobalt	03/31/98	3.055	NLE	0.055
Copper	03/31/98	7.179	600	0.331
Iron	03/31/98	38660	NLE	1.102
Lead	03/31/98	18.69	100	0.220
Magnesium	03/31/98	4893	NLE	2.204
Manganese	03/31/98	156.8	NLE	0.055
Mercury	03/20/98	0.040	14	0.012
Nickel	03/31/98	9.405	250	0.055
Potassium	03/31/98	10620	NLE	2.204
Selenium	03/31/98	ND	63	0.331
Silver	03/31/98	ND	110	0.331
Sodium	03/31/98	79.45	NLE	2.204
Thallium	03/31/98	ND	2	0.331
Vanadium	03/31/98	48.97	370	0.110
Zinc	03/31/98	67.23	1500	0.110

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.05
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-15

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	7229	NLE	0.915
Antimony	03/31/98	1.491	14	0.183
Arsenic	03/31/98	11.68	20	0.183
Barium	03/31/98	19.55	700	0.046
Beryllium	03/31/98	0.7984	1	0.046
Cadmium	03/31/98	ND	1	0.046
Calcium	03/31/98	1330	NLE	1.829
Chromium	03/31/98	81.31	NLE	0.046
Cobalt	03/31/98	1.300	NLE	0.046
Copper	03/31/98	7.592	600	0.274
Iron	03/31/98	23250	NLE	0.915
Lead	03/31/98	14.15	100	0.183
Magnesium	03/31/98	2557	NLE	1.829
Manganese	03/31/98	27.25	NLE	0.046
Mercury	03/20/98	0.039	14	0.011
Nickel	03/31/98	4.537	250	0.046
Potassium	03/31/98	5417	NLE	1.829
Selenium	03/31/98	ND	63	0.274
Silver	03/31/98	ND	110	0.274
Sodium	03/31/98	47.50	NLE	1.829
Thallium	03/31/98	ND	2	0.274
Vanadium	03/31/98	56.55	370	0.091
Zinc	03/31/98	44.11	1500	0.091

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.07
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-16

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	8273	NLE	0.902
Antimony	03/31/98	1.377	14	0.180
Arsenic	03/31/98	12.41	20	0.180
Barium	03/31/98	24.96	700	0.045
Beryllium	03/31/98	0.9890	1	0.045
Cadmium	03/31/98	ND	1	0.045
Calcium	03/31/98	1452	NLE	1.803
Chromium	03/31/98	85.01	NLE	0.045
Cobalt	03/31/98	1.480	NLE	0.045
Copper	03/31/98	9.626	600	0.270
Iron	03/31/98	26930	NLE	0.902
Lead	03/31/98	17.01	100	0.180
Magnesium	03/31/98	3033	NLE	1.803
Manganese	03/31/98	28.77	NLE	0.045
Mercury	03/20/98	0.050	14	0.011
Nickel	03/31/98	5.372	250	0.045
Potassium	03/31/98	6613	NLE	1.803
Selenium	03/31/98	ND	63	0.270
Silver	03/31/98	ND	110	0.270
Sodium	03/31/98	87.05	NLE	1.803
Thallium	03/31/98	ND	2	0.270
Vanadium	03/31/98	49.97	370	0.090
Zinc	03/31/98	43.34	1500	0.090

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.09
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-17

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	13460	NLE	1.140
Antimony	03/31/98	0.776	14	0.228
Arsenic	03/31/98	12.59	20	0.228
Barium	03/31/98	41.70	700	0.057
Beryllium	03/31/98	0.9412	1	0.057
Cadmium	03/31/98	ND	1	0.057
Calcium	03/31/98	5545	NLE	2.281
Chromium	03/31/98	130.8	NLE	0.057
Cobalt	03/31/98	3.081	NLE	0.057
Copper	03/31/98	10.83	600	0.342
Iron	03/31/98	43610	NLE	1.140
Lead	03/31/98	19.65	100	0.228
Magnesium	03/31/98	5496	NLE	2.281
Manganese	03/31/98	67.37	NLE	0.057
Mercury	03/20/98	0.080	14	0.013
Nickel	03/31/98	9.741	250	0.057
Potassium	03/31/98	12940	NLE	2.281
Selenium	03/31/98	0.726	63	0.342
Silver	03/31/98	ND	110	0.342
Sodium	03/31/98	140.7	NLE	2.281
Thallium	03/31/98	ND	2	0.342
Vanadium	03/31/98	50.45	370	0.114
Zinc	03/31/98	70.58	1500	0.114

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.11
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-18

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	13460	NLE	1.716
Antimony	03/31/98	0.776	14	0.343
Arsenic	03/31/98	12.59	20	0.343
Barium	03/31/98	41.70	700	0.086
Beryllium	03/31/98	0.9412	1	0.086
Cadmium	03/31/98	ND	1	0.086
Calcium	03/31/98	5545	NLE	3.433
Chromium	03/31/98	74.84	NLE	0.086
Cobalt	03/31/98	9.285	NLE	0.086
Copper	03/31/98	52.39	600	0.515
Iron	03/31/98	31470	NLE	1.716
Lead	03/31/98	22.60	100	0.343
Magnesium	03/31/98	6310	NLE	3.433
Manganese	03/31/98	152.6	NLE	0.086
Mercury	03/20/98	0.024	14	0.017
Nickel	03/31/98	28.74	250	0.086
Potassium	03/31/98	8285	NLE	3.433
Selenium	03/31/98	ND	63	0.515
Silver	03/31/98	ND	110	0.515
Sodium	03/31/98	634.1	NLE	3.433
Thallium	03/31/98	ND	2	0.515
Vanadium	03/31/98	133.4	370	0.172
Zinc	03/31/98	63.70	1500	0.172

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.13
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-19

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	8262	NLE	1.216
Antimony	03/31/98	0.847	14	0.243
Arsenic	03/31/98	10.61	20	0.243
Barium	03/31/98	40.88	700	0.061
Beryllium	03/31/98	0.8540	1	0.061
Cadmium	03/31/98	ND	1	0.061
Calcium	03/31/98	1839	NLE	2.433
Chromium	03/31/98	55.22	NLE	0.061
Cobalt	03/31/98	3.730	NLE	0.061
Copper	03/31/98	51.16	600	0.365
Iron	03/31/98	20450	NLE	1.216
Lead	03/31/98	34.72	100	0.243
Magnesium	03/31/98	2152	NLE	2.433
Manganese	03/31/98	63.23	NLE	0.061
Mercury	03/20/98	0.041	14	0.011
Nickel	03/31/98	9.756	250	0.061
Potassium	03/31/98	5453	NLE	2.433
Selenium	03/31/98	ND	63	0.365
Silver	03/31/98	ND	110	0.365
Sodium	03/31/98	28.88	NLE	2.433
Thallium	03/31/98	ND	2	0.365
Vanadium	03/31/98	32.32	370	0.122
Zinc	03/31/98	134.5	1500	0.122

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.15
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-20

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	7344	NLE	1.242
Antimony	03/31/98	0.670	14	0.248
Arsenic	03/31/98	6.726	20	0.248
Barium	03/31/98	45.11	700	0.062
Beryllium	03/31/98	0.6179	1	0.062
Cadmium	03/31/98	ND	1	0.062
Calcium	03/31/98	1676	NLE	2.485
Chromium	03/31/98	38.05	NLE	0.062
Cobalt	03/31/98	3.196	NLE	0.062
Copper	03/31/98	62.67	600	0.373
Iron	03/31/98	16430	NLE	1.242
Lead	03/31/98	39.07	100	0.248
Magnesium	03/31/98	1674	NLE	2.485
Manganese	03/31/98	75.38	NLE	0.062
Mercury	03/20/98	0.048	14	0.012
Nickel	03/31/98	8.264	250	0.062
Potassium	03/31/98	3717	NLE	2.485
Selenium	03/31/98	ND	63	0.373
Silver	03/31/98	ND	110	0.373
Sodium	03/31/98	151.5	NLE	2.485
Thallium	03/31/98	ND	2	0.373
Vanadium	03/31/98	31.83	370	0.124
Zinc	03/31/98	50.75	1500	0.124

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.17
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-21

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	75543	NLE	1.077
Antimony	03/31/98	0.698	14	0.215
Arsenic	03/31/98	11.04	20	0.215
Barium	03/31/98	44.59	700	0.054
Beryllium	03/31/98	0.7675	1	0.054
Cadmium	03/31/98	ND	1	0.054
Calcium	03/31/98	1537	NLE	2.154
Chromium	03/31/98	55.85	NLE	0.054
Cobalt	03/31/98	2.363	NLE	0.054
Copper	03/31/98	26.96	600	0.323
Iron	03/31/98	20310	NLE	1.077
Lead	03/31/98	51.26	100	0.215
Magnesium	03/31/98	2046	NLE	2.154
Manganese	03/31/98	37.95	NLE	0.054
Mercury	03/20/98	0.086	14	0.012
Nickel	03/31/98	7.841	250	0.054
Potassium	03/31/98	6382	NLE	2.154
Selenium	03/31/98	0.663	63	0.323
Silver	03/31/98	ND	110	0.323
Sodium	03/31/98	118.4	NLE	2.154
Thallium	03/31/98	ND	2	0.323
Vanadium	03/31/98	26.24	370	0.108
Zinc	03/31/98	44.38	1500	0.108

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.19
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-22

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	9030	NLE	1.243
Antimony	03/31/98	1.354	14	0.249
Arsenic	03/31/98	14.00	20	0.249
Barium	03/31/98	50.84	700	0.062
Beryllium	03/31/98	0.9173	1	0.062
Cadmium	03/31/98	ND	1	0.062
Calcium	03/31/98	2283	NLE	2.486
Chromium	03/31/98	60.23	NLE	0.062
Cobalt	03/31/98	4.181	NLE	0.062
Copper	03/31/98	31.60	600	0.373
Iron	03/31/98	25640	NLE	1.243
Lead	03/31/98	47.79	100	0.249
Magnesium	03/31/98	2142	NLE	2.486
Manganese	03/31/98	63.45	NLE	0.062
Mercury	03/20/98	0.074	14	0.012
Nickel	03/31/98	9.726	250	0.062
Potassium	03/31/98	5928	NLE	2.486
Selenium	03/31/98	ND	63	0.373
Silver	03/31/98	ND	110	0.373
Sodium	03/31/98	85.07	NLE	2.486
Thallium	03/31/98	ND	2	0.373
Vanadium	03/31/98	41.16	370	0.124
Zinc	03/31/98	96.52	1500	0.124

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.21
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-23

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	9257	NLE	0.880
Antimony	03/31/98	1.174	14	0.176
Arsenic	03/31/98	9.005	20	0.176
Barium	03/31/98	38.00	700	0.044
Beryllium	03/31/98	0.9090	1	0.044
Cadmium	03/31/98	ND	1	0.044
Calcium	03/31/98	1903	NLE	1.759
Chromium	03/31/98	69.83	NLE	0.044
Cobalt	03/31/98	1.860	NLE	0.044
Copper	03/31/98	12.13	600	0.264
Iron	03/31/98	22440	NLE	0.880
Lead	03/31/98	43.17	100	0.176
Magnesium	03/31/98	2827	NLE	1.759
Manganese	03/31/98	38.96	NLE	0.044
Mercury	03/20/98	0.096	14	0.011
Nickel	03/31/98	6.028	250	0.044
Potassium	03/31/98	6039	NLE	1.759
Selenium	03/31/98	0.286	63	0.264
Silver	03/31/98	ND	110	0.264
Sodium	03/31/98	94.95	NLE	1.759
Thallium	03/31/98	ND	2	0.264
Vanadium	03/31/98	36.50	370	0.088
Zinc	03/31/98	87.61	1500	0.088

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.23
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-24

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	7754	NLE	1.253
Antimony	03/31/98	0.921	14	0.251
Arsenic	03/31/98	9.278	20	0.251
Barium	03/31/98	31.85	700	0.063
Beryllium	03/31/98	0.7427	1	0.063
Cadmium	03/31/98	ND	1	0.063
Calcium	03/31/98	2489	NLE	2.505
Chromium	03/31/98	51.79	NLE	0.063
Cobalt	03/31/98	2.002	NLE	0.063
Copper	03/31/98	20.36	600	0.376
Iron	03/31/98	19070	NLE	1.253
Lead	03/31/98	63.28	100	0.251
Magnesium	03/31/98	2555	NLE	2.505
Manganese	03/31/98	54.66	NLE	0.063
Mercury	03/20/98	0.042	14	0.012
Nickel	03/31/98	7.847	250	0.063
Potassium	03/31/98	5748	NLE	2.505
Selenium	03/31/98	ND	63	0.376
Silver	03/31/98	ND	110	0.376
Sodium	03/31/98	87.82	NLE	2.505
Thallium	03/31/98	ND	2	0.376
Vanadium	03/31/98	28.90	370	0.125
Zinc	03/31/98	89.06	1500	0.125

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.25
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-25

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	4361	NLE	0.983
Antimony	03/31/98	0.390	14	0.197
Arsenic	03/31/98	7.189	20	0.197
Barium	03/31/98	25.04	700	0.049
Beryllium	03/31/98	0.4093	1	0.049
Cadmium	03/31/98	0.1351	1	0.049
Calcium	03/31/98	9215	NLE	1.966
Chromium	03/31/98	26.49	NLE	0.049
Cobalt	03/31/98	1.213	NLE	0.049
Copper	03/31/98	14.38	600	0.295
Iron	03/31/98	11760	NLE	0.983
Lead	03/31/98	51.80	100	0.197
Magnesium	03/31/98	5489	NLE	1.966
Manganese	03/31/98	48.92	NLE	0.049
Mercury	03/20/98	0.067	14	0.012
Nickel	03/31/98	4.677	250	0.049
Potassium	03/31/98	51.80	NLE	1.966
Selenium	03/31/98	0.685	63	0.295
Silver	03/31/98	ND	110	0.295
Sodium	03/31/98	49.99	NLE	1.966
Thallium	03/31/98	ND	2	0.295
Vanadium	03/31/98	16.66	370	0.098
Zinc	03/31/98	52.40	1500	0.098

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.27
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-26

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	6896	NLE	1.195
Antimony	03/31/98	0.966	14	0.239
Arsenic	03/31/98	7.951	20	0.239
Barium	03/31/98	30.98	700	0.060
Beryllium	03/31/98	0.7361	1	0.060
Cadmium	03/31/98	ND	1	0.060
Calcium	03/31/98	1605	NLE	2.390
Chromium	03/31/98	56.79	NLE	0.060
Cobalt	03/31/98	1.151	NLE	0.060
Copper	03/31/98	5.834	600	0.358
Iron	03/31/98	18300	NLE	1.195
Lead	03/31/98	19.55	100	0.239
Magnesium	03/31/98	1858	NLE	2.390
Manganese	03/31/98	38.55	NLE	0.060
Mercury	03/20/98	0.090	14	0.012
Nickel	03/31/98	4.796	250	0.060
Potassium	03/31/98	4429	NLE	2.390
Selenium	03/31/98	ND	63	0.358
Silver	03/31/98	ND	110	0.358
Sodium	03/31/98	119.1	NLE	2.390
Thallium	03/31/98	ND	2	0.358
Vanadium	03/31/98	21.57	370	0.119
Zinc	03/31/98	40.01	1500	0.119

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.31
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-27

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	10810	NLE	1.182
Antimony	03/31/98	1.420	14	0.236
Arsenic	03/31/98	17.79	20	0.236
Barium	03/31/98	42.18	700	0.059
Beryllium	03/31/98	1.280	1	0.059
Cadmium	03/31/98	ND	1	0.059
Calcium	03/31/98	2457	NLE	2.363
Chromium	03/31/98	86.69	NLE	0.059
Cobalt	03/31/98	2.435	NLE	0.059
Copper	03/31/98	8.497	600	0.354
Iron	03/31/98	30440	NLE	1.182
Lead	03/31/98	22.79	100	0.236
Magnesium	03/31/98	3446	NLE	2.363
Manganese	03/31/98	66.40	NLE	0.059
Mercury	03/21/98	0.053	14	0.012
Nickel	03/31/98	8.798	250	0.059
Potassium	03/31/98	7038	NLE	2.363
Selenium	03/31/98	ND	63	0.354
Silver	03/31/98	ND	110	0.354
Sodium	03/31/98	57.86	NLE	2.363
Thallium	03/31/98	ND	2	0.354
Vanadium	03/31/98	30.35	370	0.118
Zinc	03/31/98	70.01	1500	0.118

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.33
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-28

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	7635	NLE	1.331
Antimony	03/31/98	1.050	14	0.266
Arsenic	03/31/98	16.85	20	0.266
Barium	03/31/98	39.21	700	0.067
Beryllium	03/31/98	0.8306	1	0.067
Cadmium	03/31/98	ND	1	0.067
Calcium	03/31/98	2145	NLE	2.662
Chromium	03/31/98	1897	NLE	0.067
Cobalt	03/31/98	2.653	NLE	0.067
Copper	03/31/98	14.05	600	0.399
Iron	03/31/98	20890	NLE	1.331
Lead	03/31/98	31.10	100	0.266
Magnesium	03/31/98	2238	NLE	2.662
Manganese	03/31/98	55.25	NLE	0.067
Mercury	03/21/98	0.034	14	0.012
Nickel	03/31/98	7.342	250	0.067
Potassium	03/31/98	6111	NLE	2.662
Selenium	03/31/98	0.508	63	0.399
Silver	03/31/98	ND	110	0.399
Sodium	03/31/98	92.32	NLE	2.662
Thallium	03/31/98	ND	2	0.399
Vanadium	03/31/98	24.73	370	0.133
Zinc	03/31/98	56.38	1500	0.133

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3399.35
Sample Received: 03/11/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-29

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	13440	NLE	1.238
Antimony	03/31/98	2.608	14	0.248
Arsenic	03/31/98	21.71	20	0.248
Barium	03/31/98	54.77	700	0.062
Beryllium	03/31/98	1.723	1	0.062
Cadmium	03/31/98	ND	1	0.062
Calcium	03/31/98	2145	NLE	2.475
Chromium	03/31/98	122.0	NLE	0.062
Cobalt	03/31/98	2.948	NLE	0.062
Copper	03/31/98	11.58	600	0.371
Iron	03/31/98	40280	NLE	1.238
Lead	03/31/98	20.23	100	0.248
Magnesium	03/31/98	5081	NLE	2.475
Manganese	03/31/98	55.22	NLE	0.062
Mercury	03/21/98	0.025	14	0.012
Nickel	03/31/98	9.403	250	0.062
Potassium	03/31/98	10820	NLE	2.475
Selenium	03/31/98	ND	63	0.371
Silver	03/31/98	ND	110	0.371
Sodium	03/31/98	89.84	NLE	2.475
Thallium	03/31/98	ND	2	0.371
Vanadium	03/31/98	33.62	370	0.124
Zinc	03/31/98	67.11	1500	0.124

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.01
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-30

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	7129	NLE	1.065
Antimony	03/31/98	2.353	14	0.213
Arsenic	03/31/98	20.51	20	0.213
Barium	03/31/98	54.33	700	0.053
Beryllium	03/31/98	0.6548	1	0.053
Cadmium	03/31/98	ND	1	0.053
Calcium	03/31/98	7643	NLE	2.130
Chromium	03/31/98	142.4	NLE	0.053
Cobalt	03/31/98	4.567	NLE	0.053
Copper	03/31/98	257.4	600	0.320
Iron	03/31/98	25140	NLE	1.065
Lead	03/31/98	57.22	100	0.213
Magnesium	03/31/98	1924	NLE	2.130
Manganese	03/31/98	70.63	NLE	0.053
Mercury	03/23/98	0.016	14	0.012
Nickel	03/31/98	13.31	250	0.053
Potassium	03/31/98	3285	NLE	2.130
Selenium	03/31/98	0.423	63	0.320
Silver	03/31/98	ND	110	0.320
Sodium	03/31/98	165.7	NLE	2.130
Thallium	03/31/98	ND	2	0.320
Vanadium	03/31/98	27.55	370	0.107
Zinc	03/31/98	54.09	1500	0.107

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.03
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-31

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	5509	NLE	1.151
Antimony	03/31/98	0.551	14	0.230
Arsenic	03/31/98	10.38	20	0.230
Barium	03/31/98	29.39	700	0.058
Beryllium	03/31/98	0.6454	1	0.058
Cadmium	03/31/98	ND	1	0.058
Calcium	03/31/98	1709	NLE	2.301
Chromium	03/31/98	41.66	NLE	0.058
Cobalt	03/31/98	1.380	NLE	0.058
Copper	03/31/98	10.04	600	0.345
Iron	03/31/98	15760	NLE	1.151
Lead	03/31/98	21.27	100	0.230
Magnesium	03/31/98	1526	NLE	2.301
Manganese	03/31/98	36.64	NLE	0.058
Mercury	03/23/98	0.028	14	0.013
Nickel	03/31/98	4.738	250	0.058
Potassium	03/31/98	3867	NLE	2.301
Selenium	03/31/98	ND	63	0.345
Silver	03/31/98	ND	110	0.345
Sodium	03/31/98	33.10	NLE	2.301
Thallium	03/31/98	ND	2	0.345
Vanadium	03/31/98	16.43	370	0.115
Zinc	03/31/98	38.48	1500	0.115

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.05
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-32

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	4760	NLE	1.226
Antimony	03/31/98	0.646	14	0.245
Arsenic	03/31/98	6.695	20	0.245
Barium	03/31/98	29.77	700	0.061
Beryllium	03/31/98	0.4611	1	0.061
Cadmium	03/31/98	ND	1	0.061
Calcium	03/31/98	1515	NLE	2.452
Chromium	03/31/98	29.77	NLE	0.061
Cobalt	03/31/98	2.401	NLE	0.061
Copper	03/31/98	18.72	600	0.368
Iron	03/31/98	13530	NLE	1.226
Lead	03/31/98	43.74	100	0.245
Magnesium	03/31/98	1215	NLE	2.452
Manganese	03/31/98	48.32	NLE	0.061
Mercury	03/23/98	0.043	14	0.011
Nickel	03/31/98	6.569	250	0.061
Potassium	03/31/98	2169	NLE	2.452
Selenium	03/31/98	ND	63	0.368
Silver	03/31/98	ND	110	0.368
Sodium	03/31/98	59.76	NLE	2.452
Thallium	03/31/98	ND	2	0.368
Vanadium	03/31/98	22.35	370	0.123
Zinc	03/31/98	46.20	1500	0.123

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.07
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-33

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	5664	NLE	1.226
Antimony	03/31/98	0.743	14	0.245
Arsenic	03/31/98	5.212	20	0.245
Barium	03/31/98	17.11	700	0.061
Beryllium	03/31/98	0.3167	1	0.061
Cadmium	03/31/98	ND	1	0.061
Calcium	03/31/98	783.2	NLE	2.453
Chromium	03/31/98	35.60	NLE	0.061
Cobalt	03/31/98	1.835	NLE	0.061
Copper	03/31/98	10.46	600	0.368
Iron	03/31/98	11490	NLE	1.226
Lead	03/31/98	12.38	100	0.245
Magnesium	03/31/98	929.2	NLE	2.453
Manganese	03/31/98	19.63	NLE	0.061
Mercury	03/23/98	0.014	14	0.012
Nickel	03/31/98	3.612	250	0.061
Potassium	03/31/98	1823	NLE	2.453
Selenium	03/31/98	ND	63	0.368
Silver	03/31/98	ND	110	0.368
Sodium	03/31/98	138.5	NLE	2.453
Thallium	03/31/98	ND	2	0.368
Vanadium	03/31/98	31.98	370	0.123
Zinc	03/31/98	27.11	1500	0.123

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.09
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-34

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	12240	NLE	1.286
Antimony	03/31/98	25.19	14	0.257
Arsenic	03/31/98	266.0	20	0.257
Barium	03/31/98	301.5	700	0.064
Beryllium	03/31/98	7.534	1	0.064
Cadmium	03/31/98	6.102	1	0.064
Calcium	03/31/98	1745	NLE	2.572
Chromium	03/31/98	108.7	NLE	0.064
Cobalt	03/31/98	64.74	NLE	0.064
Copper	03/31/98	60.35	600	0.386
Iron	03/31/98	30970	NLE	1.286
Lead	03/31/98	104.5	100	0.257
Magnesium	03/31/98	3453	NLE	2.572
Manganese	03/31/98	110.3	NLE	0.064
Mercury	03/23/98	0.028	14	0.012
Nickel	03/31/98	72.26	250	0.064
Potassium	03/31/98	6216	NLE	2.572
Selenium	03/31/98	244.4	63	0.386
Silver	03/31/98	4.833	110	0.386
Sodium	03/31/98	103.4	NLE	2.572
Thallium	03/31/98	242.0	2	0.386
Vanadium	03/31/98	115.6	370	0.129
Zinc	03/31/98	162.8	1500	0.129

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.11
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-35

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	2508	NLE	1.208
Antimony	03/31/98	0.664	14	0.242
Arsenic	03/31/98	4.936	20	0.242
Barium	03/31/98	7.602	700	0.060
Beryllium	03/31/98	0.2595	1	0.060
Cadmium	03/31/98	ND	1	0.060
Calcium	03/31/98	670.8	NLE	2.415
Chromium	03/31/98	35.96	NLE	0.060
Cobalt	03/31/98	0.1813	NLE	0.060
Copper	03/31/98	2.149	600	0.362
Iron	03/31/98	7532	NLE	1.208
Lead	03/31/98	1.518	100	0.242
Magnesium	03/31/98	956.9	NLE	2.415
Manganese	03/31/98	4.277	NLE	0.060
Mercury	03/23/98	0.063	14	0.013
Nickel	03/31/98	0.9898	250	0.060
Potassium	03/31/98	2266	NLE	2.415
Selenium	03/31/98	ND	63	0.362
Silver	03/31/98	ND	110	0.362
Sodium	03/31/98	62.79	NLE	2.415
Thallium	03/31/98	ND	2	0.362
Vanadium	03/31/98	8.127	370	0.121
Zinc	03/31/98	10.73	1500	0.121

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.13
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-36

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	7563	NLE	1.102
Antimony	03/31/98	1.208	14	0.220
Arsenic	03/31/98	9.209	20	0.220
Barium	03/31/98	26.61	700	0.055
Beryllium	03/31/98	0.7587	1	0.055
Cadmium	03/31/98	ND	1	0.055
Calcium	03/31/98	1964	NLE	2.204
Chromium	03/31/98	58.00	NLE	0.055
Cobalt	03/31/98	1.903	NLE	0.055
Copper	03/31/98	20.72	600	0.331
Iron	03/31/98	20600	NLE	1.102
Lead	03/31/98	47.86	100	0.220
Magnesium	03/31/98	2638	NLE	2.204
Manganese	03/31/98	39.28	NLE	0.055
Mercury	03/23/98	0.052	14	0.012
Nickel	03/31/98	6.880	250	0.055
Potassium	03/31/98	6895	NLE	2.204
Selenium	03/31/98	ND	63	0.331
Silver	03/31/98	ND	110	0.331
Sodium	03/31/98	59.07	NLE	2.204
Thallium	03/31/98	ND	2	0.331
Vanadium	03/31/98	37.76	370	0.110
Zinc	03/31/98	63.19	1500	0.110

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.15
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-37

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	6754	NLE	1.014
Antimony	03/31/98	0.833	14	0.203
Arsenic	03/31/98	10.74	20	0.203
Barium	03/31/98	27.70	700	0.051
Beryllium	03/31/98	0.5435	1	0.051
Cadmium	03/31/98	ND	1	0.051
Calcium	03/31/98	2653	NLE	2.028
Chromium	03/31/98	48.97	NLE	0.051
Cobalt	03/31/98	3.722	NLE	0.051
Copper	03/31/98	20.27	600	0.304
Iron	03/31/98	16810	NLE	1.014
Lead	03/31/98	17.31	100	0.203
Magnesium	03/31/98	3319	NLE	2.028
Manganese	03/31/98	67.89	NLE	0.051
Mercury	03/27/98	0.027	14	0.012
Nickel	03/31/98	8.189	250	0.051
Potassium	03/31/98	4836	NLE	2.028
Selenium	03/31/98	0.311	63	0.304
Silver	03/31/98	ND	110	0.304
Sodium	03/31/98	255.5	NLE	2.028
Thallium	03/31/98	ND	2	0.304
Vanadium	03/31/98	22.69	370	0.101
Zinc	03/31/98	35.78	1500	0.101

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.17
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-38

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	8838	NLE	1.164
Antimony	03/31/98	1.929	14	0.233
Arsenic	03/31/98	12.98	20	0.233
Barium	03/31/98	31.15	700	0.058
Beryllium	03/31/98	1.130	1	0.058
Cadmium	03/31/98	ND	1	0.058
Calcium	03/31/98	2564	NLE	2.329
Chromium	03/31/98	91.27	NLE	0.058
Cobalt	03/31/98	2.600	NLE	0.058
Copper	03/31/98	9.050	600	0.349
Iron	03/31/98	25710	NLE	1.164
Lead	03/31/98	14.93	100	0.233
Magnesium	03/31/98	3530	NLE	2.329
Manganese	03/31/98	83.96	NLE	0.058
Mercury	03/27/98	0.018	14	0.012
Nickel	03/31/98	8.007	250	0.058
Potassium	03/31/98	6366	NLE	2.329
Selenium	03/31/98	ND	63	0.349
Silver	03/31/98	ND	110	0.349
Sodium	03/31/98	101.6	NLE	2.329
Thallium	03/31/98	ND	2	0.349
Vanadium	03/31/98	23.09	370	0.116
Zinc	03/31/98	56.88	1500	0.116

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.19
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-39

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	13160	NLE	1.150
Antimony	03/31/98	2.093	14	0.230
Arsenic	03/31/98	20.66	20	0.230
Barium	03/31/98	58.44	700	0.058
Beryllium	03/31/98	1.716	1	0.058
Cadmium	03/31/98	ND	1	0.058
Calcium	03/31/98	2650	NLE	2.300
Chromium	03/31/98	131.9	NLE	0.058
Cobalt	03/31/98	3.777	NLE	0.058
Copper	03/31/98	7.270	600	0.345
Iron	03/31/98	40650	NLE	1.150
Lead	03/31/98	15.18	100	0.230
Magnesium	03/31/98	4651	NLE	2.300
Manganese	03/31/98	100.5	NLE	0.058
Mercury	03/23/98	0.040	14	0.013
Nickel	03/31/98	9.086	250	0.058
Potassium	03/31/98	10160	NLE	2.300
Selenium	03/31/98	0.446	63	0.345
Silver	03/31/98	ND	110	0.345
Sodium	03/31/98	76.50	NLE	2.300
Thallium	03/31/98	ND	2	0.345
Vanadium	03/31/98	38.86	370	0.115
Zinc	03/31/98	73.32	1500	0.115

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.21
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-40

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	9460	NLE	1.204
Antimony	03/31/98	1.873	14	0.241
Arsenic	03/31/98	17.72	20	0.241
Barium	03/31/98	44.43	700	0.060
Beryllium	03/31/98	1.171	1	0.060
Cadmium	03/31/98	ND	1	0.060
Calcium	03/31/98	1751	NLE	2.407
Chromium	03/31/98	93.44	NLE	0.060
Cobalt	03/31/98	2.215	NLE	0.060
Copper	03/31/98	8.687	600	0.361
Iron	03/31/98	28820	NLE	1.204
Lead	03/31/98	23.70	100	0.241
Magnesium	03/31/98	3125	NLE	2.407
Manganese	03/31/98	63.60	NLE	0.060
Mercury	03/23/98	0.062	14	0.013
Nickel	03/31/98	7.517	250	0.060
Potassium	03/31/98	5995	NLE	2.407
Selenium	03/31/98	ND	63	0.361
Silver	03/31/98	ND	110	0.361
Sodium	03/31/98	54.90	NLE	2.407
Thallium	03/31/98	ND	2	0.361
Vanadium	03/31/98	32.44	370	0.120
Zinc	03/31/98	60.25	1500	0.120

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.23
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-41

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	10070	NLE	1.148
Antimony	03/31/98	2.145	14	0.230
Arsenic	03/31/98	19.16	20	0.230
Barium	03/31/98	50.51	700	0.057
Beryllium	03/31/98	1.279	1	0.057
Cadmium	03/31/98	ND	1	0.057
Calcium	03/31/98	2574	NLE	2.296
Chromium	03/31/98	97.05	NLE	0.057
Cobalt	03/31/98	2.193	NLE	0.057
Copper	03/31/98	9.789	600	0.344
Iron	03/31/98	30410	NLE	1.148
Lead	03/31/98	29.28	100	0.230
Magnesium	03/31/98	3693	NLE	2.296
Manganese	03/31/98	52.10	NLE	0.057
Mercury	03/23/98	0.075	14	0.012
Nickel	03/31/98	8.082	250	0.057
Potassium	03/31/98	6669	NLE	2.296
Selenium	03/31/98	ND	63	0.344
Silver	03/31/98	ND	110	0.344
Sodium	03/31/98	84.44	NLE	2.296
Thallium	03/31/98	ND	2	0.344
Vanadium	03/31/98	35.12	370	0.115
Zinc	03/31/98	65.96	1500	0.115

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.25
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-42

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	8391	NLE	1.215
Antimony	03/31/98	1.314	14	0.243
Arsenic	03/31/98	15.72	20	0.243
Barium	03/31/98	35.26	700	0.061
Beryllium	03/31/98	0.9981	1	0.061
Cadmium	03/31/98	ND	1	0.061
Calcium	03/31/98	2255	NLE	2.430
Chromium	03/31/98	76.75	NLE	0.061
Cobalt	03/31/98	1.776	NLE	0.061
Copper	03/31/98	8.903	600	0.364
Iron	03/31/98	24800	NLE	1.215
Lead	03/31/98	30.30	100	0.243
Magnesium	03/31/98	3008	NLE	2.430
Manganese	03/31/98	49.55	NLE	0.061
Mercury	03/23/98	0.052	14	0.012
Nickel	03/31/98	6.739	250	0.061
Potassium	03/31/98	4758	NLE	2.430
Selenium	03/31/98	ND	63	0.364
Silver	03/31/98	ND	110	0.364
Sodium	03/31/98	52.01	NLE	2.430
Thallium	03/31/98	ND	2	0.364
Vanadium	03/31/98	34.16	370	0.121
Zinc	03/31/98	60.64	1500	0.121

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.27
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-43

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	12010	NLE	1.175
Antimony	03/31/98	1.621	14	0.235
Arsenic	03/31/98	15.77	20	0.235
Barium	03/31/98	43.89	700	0.059
Beryllium	03/31/98	1.275	1	0.059
Cadmium	03/31/98	ND	1	0.059
Calcium	03/31/98	1432	NLE	2.351
Chromium	03/31/98	93.79	NLE	0.059
Cobalt	03/31/98	3.053	NLE	0.059
Copper	03/31/98	11.99	600	0.353
Iron	03/31/98	33680	NLE	1.175
Lead	03/31/98	22.50	100	0.235
Magnesium	03/31/98	3542	NLE	2.351
Manganese	03/31/98	91.67	NLE	0.059
Mercury	03/23/98	0.065	14	0.012
Nickel	03/31/98	9.795	250	0.059
Potassium	03/31/98	6771	NLE	2.351
Selenium	03/31/98	ND	63	0.353
Silver	03/31/98	ND	110	0.353
Sodium	03/31/98	95.94	NLE	2.351
Thallium	03/31/98	ND	2	0.353
Vanadium	03/31/98	55.03	370	0.118
Zinc	03/31/98	57.34	1500	0.118

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.29
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-44

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	10240	NLE	1.183
Antimony	03/31/98	1.587	14	0.237
Arsenic	03/31/98	8.882	20	0.237
Barium	03/31/98	30.53	700	0.059
Beryllium	03/31/98	1.181	1	0.059
Cadmium	03/31/98	ND	1	0.059
Calcium	03/31/98	1129	NLE	2.367
Chromium	03/31/98	94.14	NLE	0.059
Cobalt	03/31/98	1.407	NLE	0.059
Copper	03/31/98	3.861	600	0.355
Iron	03/31/98	28840	NLE	1.183
Lead	03/31/98	9.522	100	0.237
Magnesium	03/31/98	3539	NLE	2.367
Manganese	03/31/98	40.10	NLE	0.059
Mercury	03/23/98	0.031	14	0.011
Nickel	03/31/98	6.188	250	0.059
Potassium	03/31/98	6444	NLE	2.367
Selenium	03/31/98	ND	63	0.355
Silver	03/31/98	ND	110	0.355
Sodium	03/31/98	83.79	NLE	2.367
Thallium	03/31/98	ND	2	0.355
Vanadium	03/31/98	44.63	370	0.118
Zinc	03/31/98	37.47	1500	0.118

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.31
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-45

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	7337	NLE	1.178
Antimony	03/31/98	1.320	14	0.236
Arsenic	03/31/98	10.24	20	0.236
Barium	03/31/98	30.44	700	0.059
Beryllium	03/31/98	0.8449	1	0.059
Cadmium	03/31/98	ND	1	0.059
Calcium	03/31/98	1521	NLE	2.357
Chromium	03/31/98	67.21	NLE	0.059
Cobalt	03/31/98	1.300	NLE	0.059
Copper	03/31/98	6.834	600	0.354
Iron	03/31/98	20350	NLE	1.178
Lead	03/31/98	32.34	100	0.236
Magnesium	03/31/98	2369	NLE	2.357
Manganese	03/31/98	43.74	NLE	0.059
Mercury	03/23/98	0.054	14	0.011
Nickel	03/31/98	5.052	250	0.059
Potassium	03/31/98	5968	NLE	2.357
Selenium	03/31/98	0.574	63	0.354
Silver	03/31/98	ND	110	0.354
Sodium	03/31/98	53.97	NLE	2.357
Thallium	03/31/98	ND	2	0.354
Vanadium	03/31/98	29.25	370	0.118
Zinc	03/31/98	43.91	1500	0.118

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.33
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-46

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	7212	NLE	1.000
Antimony	03/31/98	1.344	14	0.200
Arsenic	03/31/98	11.43	20	0.200
Barium	03/31/98	38.98	700	0.050
Beryllium	03/31/98	0.9026	1	0.050
Cadmium	03/31/98	ND	1	0.050
Calcium	03/31/98	1892	NLE	2.000
Chromium	03/31/98	68.94	NLE	0.050
Cobalt	03/31/98	3.325	NLE	0.050
Copper	03/31/98	21.19	600	0.300
Iron	03/31/98	21770	NLE	1.000
Lead	03/31/98	37.68	100	0.200
Magnesium	03/31/98	2131	NLE	2.000
Manganese	03/31/98	38.60	NLE	0.050
Mercury	03/23/98	0.042	14	0.011
Nickel	03/31/98	6.810	250	0.050
Potassium	03/31/98	4027	NLE	2.000
Selenium	03/31/98	ND	63	0.300
Silver	03/31/98	ND	110	0.300
Sodium	03/31/98	60.76	NLE	2.000
Thallium	03/31/98	ND	2	0.300
Vanadium	03/31/98	25.28	370	0.100
Zinc	03/31/98	125.8	1500	0.100

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.35
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-47

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	5794	NLE	1.030
Antimony	03/31/98	0.649	14	0.206
Arsenic	03/31/98	5.398	20	0.206
Barium	03/31/98	34.47	700	0.051
Beryllium	03/31/98	0.4261	1	0.051
Cadmium	03/31/98	ND	1	0.051
Calcium	03/31/98	2181	NLE	2.060
Chromium	03/31/98	31.59	NLE	0.051
Cobalt	03/31/98	1.340	NLE	0.051
Copper	03/31/98	6.902	600	0.309
Iron	03/31/98	11890	NLE	1.030
Lead	03/31/98	69.47	100	0.206
Magnesium	03/31/98	1266	NLE	2.060
Manganese	03/31/98	41.10	NLE	0.051
Mercury	03/23/98	0.036	14	0.011
Nickel	03/31/98	4.669	250	0.051
Potassium	03/31/98	2394	NLE	2.060
Selenium	03/31/98	ND	63	0.309
Silver	03/31/98	ND	110	0.309
Sodium	03/31/98	75.82	NLE	2.060
Thallium	03/31/98	ND	2	0.309
Vanadium	03/31/98	21.11	370	0.103
Zinc	03/31/98	73.25	1500	0.103

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.39
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-48

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	15230	NLE	1.121
Antimony	03/31/98	2.731	14	0.224
Arsenic	03/31/98	11.49	20	0.224
Barium	03/31/98	64.95	700	0.056
Beryllium	03/31/98	1.417	1	0.056
Cadmium	03/31/98	ND	1	0.056
Calcium	03/31/98	1105	NLE	2.243
Chromium	03/31/98	174.4	NLE	0.056
Cobalt	03/31/98	1.312	NLE	0.056
Copper	03/31/98	7.642	600	0.336
Iron	03/31/98	34910	NLE	1.121
Lead	03/31/98	13.33	100	0.224
Magnesium	03/31/98	5235	NLE	2.243
Manganese	03/31/98	23.87	NLE	0.056
Mercury	03/23/98	0.042	14	0.012
Nickel	03/31/98	5.982	250	0.056
Potassium	03/31/98	12030	NLE	2.243
Selenium	03/31/98	0.416	63	0.336
Silver	03/31/98	ND	110	0.336
Sodium	03/31/98	145.7	NLE	2.243
Thallium	03/31/98	ND	2	0.336
Vanadium	03/31/98	63.65	370	0.112
Zinc	03/31/98	53.73	1500	0.112

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3403.41
Sample Received: 03/12/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-49

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	14850	NLE	1.124
Antimony	03/31/98	2.930	14	0.225
Arsenic	03/31/98	10.09	20	0.225
Barium	03/31/98	66.47	700	0.056
Beryllium	03/31/98	1.385	1	0.056
Cadmium	03/31/98	ND	1	0.056
Calcium	03/31/98	1291	NLE	2.247
Chromium	03/31/98	179.7	NLE	0.056
Cobalt	03/31/98	1.341	NLE	0.056
Copper	03/31/98	6.070	600	0.337
Iron	03/31/98	34310	NLE	1.124
Lead	03/31/98	8.121	100	0.225
Magnesium	03/31/98	5362	NLE	2.247
Manganese	03/31/98	22.80	NLE	0.056
Mercury	03/23/98	0.034	14	0.011
Nickel	03/31/98	5.757	250	0.056
Potassium	03/31/98	11700	NLE	2.247
Selenium	03/31/98	0.585	63	0.337
Silver	03/31/98	ND	110	0.337
Sodium	03/31/98	168.1	NLE	2.247
Thallium	03/31/98	ND	2	0.337
Vanadium	03/31/98	62.41	370	0.112
Zinc	03/31/98	55.37	1500	0.112

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3408.01
Sample Received: 03/13/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-50

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	8151	NLE	1.073
Antimony	03/31/98	0.976	14	0.215
Arsenic	03/31/98	7.422	20	0.215
Barium	03/31/98	26.20	700	0.054
Beryllium	03/31/98	0.7182	1	0.054
Cadmium	03/31/98	ND	1	0.054
Calcium	03/31/98	1269	NLE	2.145
Chromium	03/31/98	63.39	NLE	0.054
Cobalt	03/31/98	1.388	NLE	0.054
Copper	03/31/98	5.644	600	0.322
Iron	03/31/98	20640	NLE	1.073
Lead	03/31/98	20.93	100	0.215
Magnesium	03/31/98	2397	NLE	2.145
Manganese	03/31/98	17.92	NLE	0.054
Mercury	03/23/98	0.031	14	0.012
Nickel	03/31/98	4.984	250	0.054
Potassium	03/31/98	5086	NLE	2.145
Selenium	03/31/98	ND	63	0.322
Silver	03/31/98	ND	110	0.322
Sodium	03/31/98	64.93	NLE	2.145
Thallium	03/31/98	ND	2	0.322
Vanadium	03/31/98	35.80	370	0.107
Zinc	03/31/98	32.89	1500	0.107

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3408.03
Sample Received: 03/13/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-51

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	12730	NLE	1.099
Antimony	03/31/98	1.247	14	0.220
Arsenic	03/31/98	8.636	20	0.220
Barium	03/31/98	31.10	700	0.055
Beryllium	03/31/98	0.9375	1	0.055
Cadmium	03/31/98	ND	1	0.055
Calcium	03/31/98	1299	NLE	2.198
Chromium	03/31/98	79.45	NLE	0.055
Cobalt	03/31/98	3.064	NLE	0.055
Copper	03/31/98	6.688	600	0.330
Iron	03/31/98	27360	NLE	1.099
Lead	03/31/98	25.74	100	0.220
Magnesium	03/31/98	2918	NLE	2.198
Manganese	03/31/98	22.82	NLE	0.055
Mercury	03/23/98	0.039	14	0.011
Nickel	03/31/98	7.351	250	0.055
Potassium	03/31/98	6320	NLE	2.198
Selenium	03/31/98	ND	63	0.330
Silver	03/31/98	ND	110	0.330
Sodium	03/31/98	92.26	NLE	2.198
Thallium	03/31/98	ND	2	0.330
Vanadium	03/31/98	44.50	370	0.110
Zinc	03/31/98	49.06	1500	0.110

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3408.05
Sample Received: 03/13/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-52

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	13290	NLE	1.181
Antimony	03/31/98		14	0.236
Arsenic	03/31/98	24.96	20	0.236
Barium	03/31/98	59.14	700	0.059
Beryllium	03/31/98	1.590	1	0.059
Cadmium	03/31/98	ND	1	0.059
Calcium	03/31/98	1792	NLE	2.363
Chromium	03/31/98	109.3	NLE	0.059
Cobalt	03/31/98	3.275	NLE	0.059
Copper	03/31/98	14.79	600	0.354
Iron	03/31/98	43790	NLE	1.181
Lead	03/31/98	28.11	100	0.236
Magnesium	03/31/98	4727	NLE	2.363
Manganese	03/31/98	59.07	NLE	0.059
Mercury	03/23/98	0.063	14	0.012
Nickel	03/31/98	9.428	250	0.059
Potassium	03/31/98	10210	NLE	2.363
Selenium	03/31/98	ND	63	0.354
Silver	03/31/98	ND	110	0.354
Sodium	03/31/98	137.3	NLE	2.363
Thallium	03/31/98	ND	2	0.354
Vanadium	03/31/98	54.72	370	0.118
Zinc	03/31/98	67.68	1500	0.118

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3408.07
Sample Received: 03/13/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-53

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	7741	NLE	1.106
Antimony	03/31/98	1.490	14	0.221
Arsenic	03/31/98	7.025	20	0.221
Barium	03/31/98	15.77	700	0.055
Beryllium	03/31/98	0.8519	1	0.055
Cadmium	03/31/98	ND	1	0.055
Calcium	03/31/98	1141	NLE	2.212
Chromium	03/31/98	79.46	NLE	0.055
Cobalt	03/31/98	0.9690	NLE	0.055
Copper	03/31/98	4.382	600	0.332
Iron	03/31/98	23620	NLE	1.106
Lead	03/31/98	13.03	100	0.221
Magnesium	03/31/98	2921	NLE	2.212
Manganese	03/31/98	20.37	NLE	0.055
Mercury	03/23/98	0.055	14	0.012
Nickel	03/31/98	3.802	250	0.055
Potassium	03/31/98	5180	NLE	2.212
Selenium	03/31/98	ND	63	0.332
Silver	03/31/98	ND	110	0.332
Sodium	03/31/98	72.03	NLE	2.212
Thallium	03/31/98	ND	2	0.332
Vanadium	03/31/98	41.10	370	0.111
Zinc	03/31/98	31.73	1500	0.111

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3408.09
Sample Received: 03/13/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-54

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	10610	NLE	1.127
Antimony	03/31/98	1.565	14	0.225
Arsenic	03/31/98	13.65	20	0.225
Barium	03/31/98	32.12	700	0.056
Beryllium	03/31/98	1.280	1	0.056
Cadmium	03/31/98	ND	1	0.056
Calcium	03/31/98	1138	NLE	2.253
Chromium	03/31/98	104.0	NLE	0.056
Cobalt	03/31/98	1.842	NLE	0.056
Copper	03/31/98	6.471	600	0.338
Iron	03/31/98	31990	NLE	1.127
Lead	03/31/98	18.31	100	0.225
Magnesium	03/31/98	4046	NLE	2.253
Manganese	03/31/98	41.93	NLE	0.056
Mercury	03/23/98	0.063	14	0.012
Nickel	03/31/98	6.245	250	0.056
Potassium	03/31/98	7947	NLE	2.253
Selenium	03/31/98	ND	63	0.338
Silver	03/31/98	ND	110	0.338
Sodium	03/31/98	89.30	NLE	2.253
Thallium	03/31/98	ND	2	0.338
Vanadium	03/31/98	46.21	370	0.113
Zinc	03/31/98	48.47	1500	0.113

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3408.11
Sample Received: 03/13/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-55

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	11110	NLE	1.060
Antimony	03/31/98	2.369	14	0.212
Arsenic	03/31/98	11.22	20	0.212
Barium	03/31/98	89.73	700	0.053
Beryllium	03/31/98	1.207	1	0.053
Cadmium	03/31/98	ND	1	0.053
Calcium	03/31/98	1321	NLE	2.121
Chromium	03/31/98	135.9	NLE	0.053
Cobalt	03/31/98	1.986	NLE	0.053
Copper	03/31/98	9.848	600	0.318
Iron	03/31/98	31160	NLE	1.060
Lead	03/31/98	182.1	100	0.212
Magnesium	03/31/98	3842	NLE	2.121
Manganese	03/31/98	40.93	NLE	0.053
Mercury	03/23/98	0.118	14	0.011
Nickel	03/31/98	6.915	250	0.053
Potassium	03/31/98	7598	NLE	2.121
Selenium	03/31/98	ND	63	0.318
Silver	03/31/98	ND	110	0.318
Sodium	03/31/98	73.73	NLE	2.121
Thallium	03/31/98	ND	2	0.318
Vanadium	03/31/98	50.22	370	0.106
Zinc	03/31/98	75.25	1500	0.106

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3408.13
Sample Received: 03/13/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-56

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	10680	NLE	1.133
Antimony	03/31/98	2.186	14	0.227
Arsenic	03/31/98	10.14	20	0.227
Barium	03/31/98	24.35	700	0.057
Beryllium	03/31/98	1.065	1	0.057
Cadmium	03/31/98	ND	1	0.057
Calcium	03/31/98	1568	NLE	2.266
Chromium	03/31/98	135.3	NLE	0.057
Cobalt	03/31/98	1.161	NLE	0.057
Copper	03/31/98	5.694	600	0.340
Iron	03/31/98	30220	NLE	1.133
Lead	03/31/98	9.413	100	0.227
Magnesium	03/31/98	3643	NLE	2.266
Manganese	03/31/98	23.45	NLE	0.057
Mercury	03/23/98	0.033	14	0.012
Nickel	03/31/98	5.351	250	0.057
Potassium	03/31/98	6615	NLE	2.266
Selenium	03/31/98	ND	63	0.340
Silver	03/31/98	ND	110	0.340
Sodium	03/31/98	50.53	NLE	2.266
Thallium	03/31/98	ND	2	0.340
Vanadium	03/31/98	45.64	370	0.113
Zinc	03/31/98	41.51	1500	0.113

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3408.15
Sample Received: 03/13/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-57

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	9156	NLE	1.128
Antimony	03/31/98	1.634	14	0.226
Arsenic	03/31/98	39.46	20	0.226
Barium	03/31/98	32.87	700	0.056
Beryllium	03/31/98	0.9149	1	0.056
Cadmium	03/31/98	0.6475	1	0.056
Calcium	03/31/98	2900	NLE	2.257
Chromium	03/31/98	90.87	NLE	0.056
Cobalt	03/31/98	2.401	NLE	0.056
Copper	03/31/98	42.95	600	0.339
Iron	03/31/98	26570	NLE	1.128
Lead	03/31/98	38.42	100	0.226
Magnesium	03/31/98	3133	NLE	2.257
Manganese	03/31/98	48.42	NLE	0.056
Mercury	03/27/98	0.078	14	0.012
Nickel	03/31/98	9.223	250	0.056
Potassium	03/31/98	5112	NLE	2.257
Selenium	03/31/98	ND	63	0.339
Silver	03/31/98	ND	110	0.339
Sodium	03/31/98	63.01	NLE	2.257
Thallium	03/31/98	ND	2	0.339
Vanadium	03/31/98	36.99	370	0.113
Zinc	03/31/98	61.17	1500	0.113

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3408.17
Sample Received: 03/13/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-58

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	6126	NLE	1.084
Antimony	03/31/98	0.751	14	0.217
Arsenic	03/31/98	7.415	20	0.217
Barium	03/31/98	41.94	700	0.054
Beryllium	03/31/98	0.4819	1	0.054
Cadmium	03/31/98	ND	1	0.054
Calcium	03/31/98	7771	NLE	2.168
Chromium	03/31/98	27.81	NLE	0.054
Cobalt	03/31/98	1.632	NLE	0.054
Copper	03/31/98	19.98	600	0.325
Iron	03/31/98	12200	NLE	1.084
Lead	03/31/98	28.48	100	0.217
Magnesium	03/31/98	1678	NLE	2.168
Manganese	03/31/98	97.82	NLE	0.054
Mercury	03/27/98	0.052	14	0.011
Nickel	03/31/98	5.185	250	0.054
Potassium	03/31/98	2472	NLE	2.168
Selenium	03/31/98	ND	63	0.325
Silver	03/31/98	ND	110	0.325
Sodium	03/31/98	93.04	NLE	2.168
Thallium	03/31/98	ND	2	0.325
Vanadium	03/31/98	20.13	370	0.108
Zinc	03/31/98	58.84	1500	0.108

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3408.19
Sample Received: 03/13/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-59

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	14580	NLE	1.200
Antimony	03/31/98	1.701	14	0.240
Arsenic	03/31/98	16.70	20	0.240
Barium	03/31/98	41.40	700	0.060
Beryllium	03/31/98	1.190	1	0.060
Cadmium	03/31/98	ND	1	0.060
Calcium	03/31/98	1216	NLE	2.399
Chromium	03/31/98	107.7	NLE	0.060
Cobalt	03/31/98	2.191	NLE	0.060
Copper	03/31/98	23.01	600	0.360
Iron	03/31/98	33100	NLE	1.200
Lead	03/31/98	39.60	100	0.240
Magnesium	03/31/98	4010	NLE	2.399
Manganese	03/31/98	63.55	NLE	0.060
Mercury	03/23/98	0.061	14	0.010
Nickel	03/31/98	6.428	250	0.060
Potassium	03/31/98	7785	NLE	2.399
Selenium	03/31/98	ND	63	0.360
Silver	03/31/98	ND	110	0.360
Sodium	03/31/98	75.37	NLE	2.399
Thallium	03/31/98	ND	2	0.360
Vanadium	03/31/98	56.36	370	0.120
Zinc	03/31/98	71.37	1500	0.120

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3408.21
Sample Received: 03/13/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-60

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	8288	NLE	1.122
Antimony	03/31/98	1.648	14	0.224
Arsenic	03/31/98	12.48	20	0.224
Barium	03/31/98	45.90	700	0.056
Beryllium	03/31/98	0.8244	1	0.056
Cadmium	03/31/98	ND	1	0.056
Calcium	03/31/98	1255	NLE	2.244
Chromium	03/31/98	81.01	NLE	0.056
Cobalt	03/31/98	1.406	NLE	0.056
Copper	03/31/98	8.988	600	0.337
Iron	03/31/98	21840	NLE	1.122
Lead	03/31/98	21.00	100	0.224
Magnesium	03/31/98	2461	NLE	2.244
Manganese	03/31/98	22.21	NLE	0.056
Mercury	03/23/98	0.063	14	0.012
Nickel	03/31/98	5.831	250	0.056
Potassium	03/31/98	4846	NLE	2.244
Selenium	03/31/98	ND	63	0.337
Silver	03/31/98	ND	110	0.337
Sodium	03/31/98	61.85	NLE	2.244
Thallium	03/31/98	ND	2	0.337
Vanadium	03/31/98	27.69	370	0.112
Zinc	03/31/98	50.69	1500	0.112

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3408.23
Sample Received: 03/13/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-61

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	11360	NLE	1.177
Antimony	03/31/98	2.181	14	0.235
Arsenic	03/31/98	18.40	20	0.235
Barium	03/31/98	40.30	700	0.059
Beryllium	03/31/98	1.344	1	0.059
Cadmium	03/31/98	ND	1	0.059
Calcium	03/31/98	711.0	NLE	2.353
Chromium	03/31/98	106.2	NLE	0.059
Cobalt	03/31/98	2.266	NLE	0.059
Copper	03/31/98	5.772	600	0.353
Iron	03/31/98	33630	NLE	1.177
Lead	03/31/98	16.36	100	0.235
Magnesium	03/31/98	3761	NLE	2.353
Manganese	03/31/98	52.54	NLE	0.059
Mercury	03/23/98	0.057	14	0.012
Nickel	03/31/98	7.260	250	0.059
Potassium	03/31/98	7869	NLE	2.353
Selenium	03/31/98	0.388	63	0.353
Silver	03/31/98	ND	110	0.353
Sodium	03/31/98	50.28	NLE	2.353
Thallium	03/31/98	ND	2	0.353
Vanadium	03/31/98	36.35	370	0.118
Zinc	03/31/98	59.44	1500	0.118

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3408.25
Sample Received: 03/13/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: B-62

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	7809	NLE	1.197
Antimony	03/31/98	1.501	14	0.239
Arsenic	03/31/98	8.055	20	0.239
Barium	03/31/98	12.76	700	0.060
Beryllium	03/31/98	0.8714	1	0.060
Cadmium	03/31/98	ND	1	0.060
Calcium	03/31/98	932.3	NLE	2.395
Chromium	03/31/98	79.73	NLE	0.060
Cobalt	03/31/98	1.079	NLE	0.060
Copper	03/31/98	3.570	600	0.359
Iron	03/31/98	25180	NLE	1.197
Lead	03/31/98	5.622	100	0.239
Magnesium	03/31/98	2755	NLE	2.395
Manganese	03/31/98	22.08	NLE	0.060
Mercury	03/27/98	0.026	14	0.012
Nickel	03/31/98	4.255	250	0.060
Potassium	03/31/98	6284	NLE	2.395
Selenium	03/31/98	ND	63	0.359
Silver	03/31/98	ND	110	0.359
Sodium	03/31/98	44.23	NLE	2.395
Thallium	03/31/98	ND	2	0.359
Vanadium	03/31/98	37.93	370	0.120
Zinc	03/31/98	29.20	1500	0.120

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3408.27
Sample Received: 03/13/98
Sample Matrix: Soil

Site: M-4
Ft. Monmouth, New Jersey

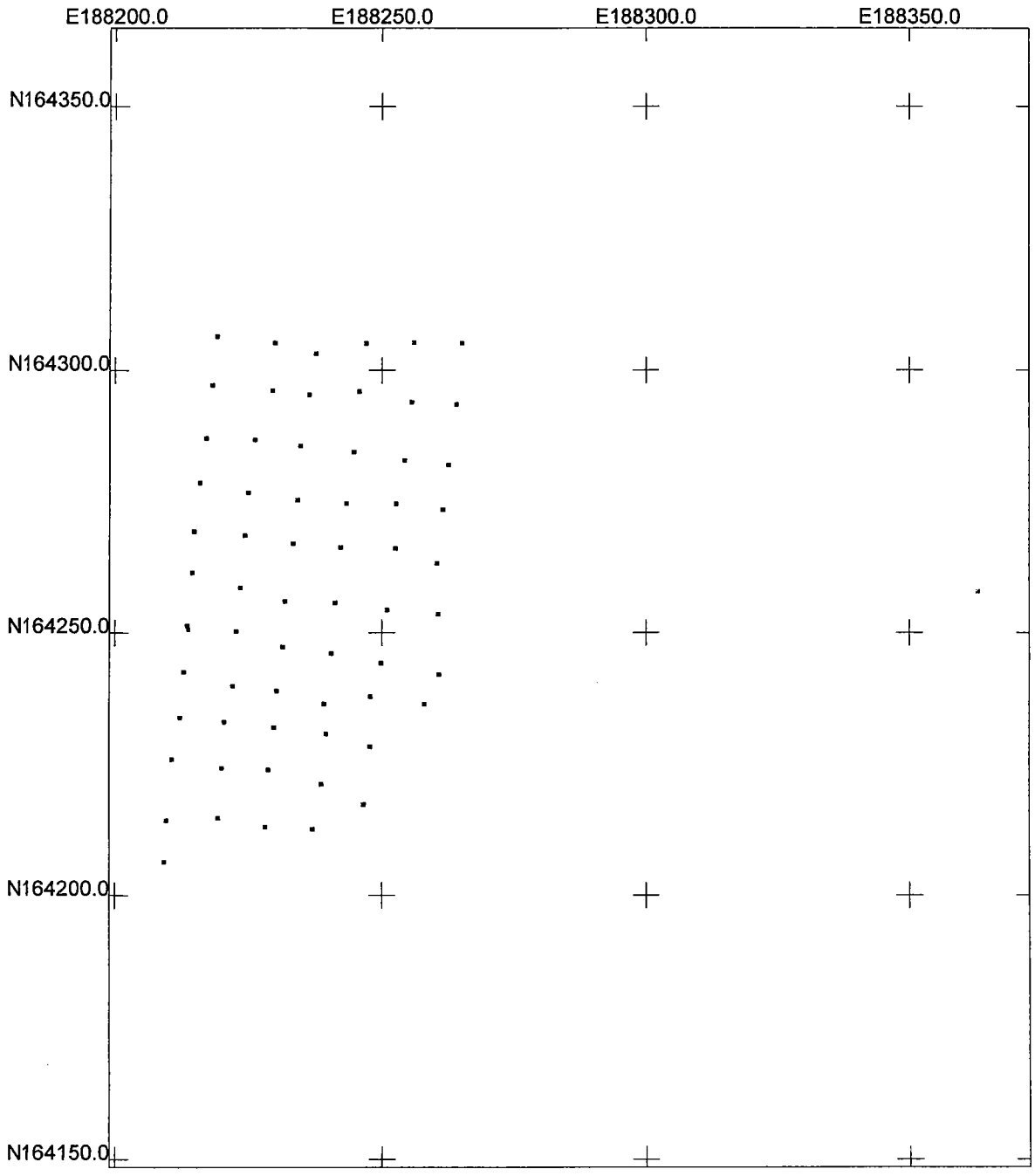
Field ID#: B-63

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	3825	NLE	1.077
Antimony	03/31/98	0.735	14	0.215
Arsenic	03/31/98	3.938	20	0.215
Barium	03/31/98	9.505	700	0.054
Beryllium	03/31/98	0.5270	1	0.054
Cadmium	03/31/98	0.0616	1	0.054
Calcium	03/31/98	569.2	NLE	2.155
Chromium	03/31/98	40.66	NLE	0.054
Cobalt	03/31/98	0.6481	NLE	0.054
Copper	03/31/98	1.627	600	0.323
Iron	03/31/98	12750	NLE	1.077
Lead	03/31/98	4.535	100	0.215
Magnesium	03/31/98	1352	NLE	2.155
Manganese	03/31/98	12.34	NLE	0.054
Mercury	03/27/98	0.020	14	0.011
Nickel	03/31/98	2.492	250	0.054
Potassium	03/31/98	3483	NLE	2.155
Selenium	03/31/98	ND	63	0.323
Silver	03/31/98	ND	110	0.323
Sodium	03/31/98	26.58	NLE	2.155
Thallium	03/31/98	ND	2	0.323
Vanadium	03/31/98	19.58	370	0.108
Zinc	03/31/98	18.08	1500	0.108

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

GPS MAPS



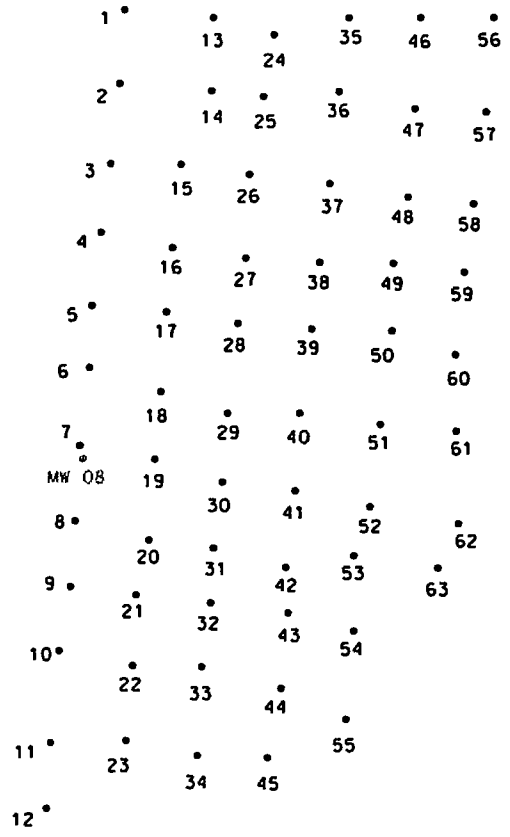
M4 Landfill Soil Boring GPS Map

US State Plane 1983
New Jersey (NY East) 2900
NAD 1983 (Conus)

N

Scale 1:1250
0 40.00
Meters

m4 combo final.cor
2/24/1999
Pathfinder Office
Trimble



FM3 (BENCH MARK)

N

M4 LANDFILL SITE

SITE MAP
M4 LANDFILL
FORT MONMOUTH ARMY BASE
MONMOUTH COUNTY, NJ

FORT MONMOUTH ENVIRONMENTAL TESTING LAB

Engineers, Managers, Scientists & Planners

SCALE: NTS	DATE: FEB. 1999

M4 LANDFILL SITE GPS POSITIONS & COORDINATES

US STATE PLANE 1983 NJ (NY EAST) 2900 NAD 1983 (CONUS)

(IN METERS)

POSITION / DESC.	Y COORD. (NORTHING)	X COORD. (EASTING)
1	164306.559	188218.993
2	164297.362	188218.077
3	164287.256	188216.947
4	164278.754	188215.742
5	164269.477	188214.665
6	164261.548	188214.297
7	164251.46	188213.301
8	164242.699	188212.699
9	164234.002	188212.014
10	164226.051	188210.52
11	164214.437	188209.478
12	164206.497	188209.049
13	164305.325	188229.823
14	164296.337	188229.336
15	164286.949	188226.077
16	164276.841	188224.861
17	164268.714	188224.211
18	164258.729	188223.355
19	164250.398	188222.606
20	164240.026	188221.929
21	164233.191	188220.385
22	164224.446	188219.926
23	164214.902	188219.188
24	164303.332	188237.449
25	164295.542	188236.165
26	164285.832	188234.53
27	164275.499	188234.029
28	164267.166	188233.162
29	164256.145	188231.69
30	164247.443	188231.261
31	164239.092	188230.158
32	164232.145	188229.641
33	164224.093	188228.6
34	164213.201	188228.014
35	164305.24	188246.806
36	164296.195	188245.549
37	164284.626	188244.536
38	164274.803	188243.193
39	164266.464	188242.096
40	164255.858	188241.03
41	164246.237	188240.341

POSITION / DESC.	Y COORD. (NORTHING)	X COORD. (EASTING)
42	164236.659	188239.01
43	164230.934	188239.403
44	164221.367	188238.505
45	164212.792	188236.89
46	164305.405	188255.878
47	164294.094	188255.377
48	164283.047	188254.093
49	164274.769	188252.482
50	164266.22	188252.322
51	164254.505	188250.788
52	164244.379	188249.634
53	164238.041	188247.623
54	164228.524	188247.594
55	164217.442	188246.38
56	164305.268	188264.852
57	164293.676	188263.799
58	164282.138	188262.299
59	164273.632	188261.24
60	164263.43	188260.212
61	164253.677	188260.402
62	164242.184	188260.588
63	164236.618	188257.893

REFERENCE POINTS

POSITION / DESC.	Y COORD. (NORTHING)	X COORD. (EASTING)
FM3 (Bench Mark)	164258.005	188362.719
MW-08	164250.706	188213.584

APPENDIX E

Soil Boring Logs

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B1

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF,dk. brown, w/ some loamy clay and sands		
6	3396.01	1	CLAYEY SAND, med./ fine - dk. brown	1320	2-PPM
12			SAND, med./ fine - some clay w/ coal fragments		
18	3396.02	2		1340	2-PPM
24					
30					

01-15-1999 X:\MTECH5\M4\m4-b01.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B2

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF,dk. brown, w/ some loamy clay and sands		
6	3396.03	1	CLAYEY SAND, dk. brown - w/ some sil and rnd. gravels	1415	2-PPM
12			CLAYEY SAND, olive green brown - w/ some rnd. gravels		
18	3396.04	2	SAND, med./ fine - dk. brown orange tan - w/ some rnd. gravels	1430	2-PPM
24					
30					

01-15-1999 X:\MTECH5\M4\m4-b02.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B3

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV
JOSEPH FALLON
M-4 LANDFILL

DATE COMPLETED : 3-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF,dk. brown, med./ fine - CLAYEY SAND		
6			SAND, med./ fine - orange w/ some rnd. gravels		
	3396.05	1	CLAYEY SAND, brown/ orange - w/ some fine sands	1510	4-5-PPM
12					
18	3396.06	2	SAND, med./ fine - w/ some rnd. gravels	1523	2-3-PPM
24					
30					

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000647

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B4

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV
JOSEPH FALLON
M-4 LANDFILL

DATE COMPLETED : 3-10-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF,dk. brown, CLAYEY SAND		
6	3398.01	1	SANDY CLAY, - olive orange w/ some rnd. gravels	0850	1-PPM
12		2	SAND, medium w/ some olive green clay		
18	3398.02		SAND, med./ fine - dk. brown/ orange w/ some coal fragments	0903	7-8-PPM
24			CEMENT Debris, with medium fine , orange and dark green sands		
30					
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b04.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B5

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-10-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF,dk. brown, CLAYEY SAND		
6	3398.03	1	CLAYEY SAND, olive green - w/ some rnd. gravels	0941	3-PPM
12					
18	3398.04	2		0957	5-PPM
24			SANDY CLAY, olive green/orange - cement fragments		
30					
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b05.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B6

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-10-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF,dk. brown, CLAYEY SAND		
6	3398.05	1	CLAYEY SAND, olive green - w/ some rnd. gravels	1026	1-PPM
12					
18	3398.06	2	SAND, fine - w/ loamy clay	1040	3-PPM
24			CEMENT CHUNKS		
30			CLAY, olive green - w/ brown sands		
36					
42					

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000650

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B7

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-10-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF,dk. brown, CLAYEY SAND		
6	3398.07	1	SAND, fine - ol. grn./ brown w/ some Burnt black cinders	1106	0-PPM
12					
18	3398.08	2	SAND, fine - olive green tan brown w/ some clay and cinders	1120	0-PPM
24					
30			CLAYEY SILT, drk green - w/ some burnt cinders and cement debris and iron stained		
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b07.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B8

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-10-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF,dk. brown, CLAYEY SAND		
6	3398.09	1	SAND,med./ fine w/ small rnd. gravels	1150	0-PPM
12			CEMENT		
18	3398.10	2	CLAYEY SAND and silt, drk green w/ small rnd. gravels	1206	0-PPM
24					
30					
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b08.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B9

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED	: 3-10-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC.#	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	:		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF,dk. brown, CLAYEY SAND		
6	3398.11	1	SAND, fine - olive green w/ small rnd gravels	1303	0-PPM
12					
18	3398.12	2		1315	0-PPM
24			CLAYEY SILT, drk olive green - w/ sands and small rnd gravel		
30			SAND LOOSE, brown/ orange - w/ cement, brick, coal debris		
36			CLAYEY SAND, medium - brown		
42					

01-15-1999 X:\MTECH5\M4\m4-b09.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B10

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-10-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF,dk. brown, CLAYEY SAND		
6			ASPHALT MATL		
	3398.13	1	SAND,fine - lt. brown	1339	1.2-PPM
12					
18	3398.14	2		1349	1.4-PPM
			CLAYEY SAND, fine/ med. - olive green		
24					
			CEMENT DEBRIS		
30					
			CLAYEY SAND, ol. grn./ brown - w/ fill debris cement, burnt cinders		
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b10.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B11

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV
JOSEPH FALLON
M-4 LANDFILL

DATE COMPLETED : 3-10-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF,dk. brown, medium/fine - CLAYEY SAND		
6	3398.15	1	SAND, fine - tan/orange	1415	0.4-PPM
12					
18	3398.16	2		1434	3.4-PPM
24			SANDY CLAY, dark brown/dark green		
30					
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b11.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B12

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-10-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF,dk. brown, medium/fine - CLAYEY SAND		
6	3398.17	1	SAND, fine - brown/orange with some gravel	1453	0-PPM
12					
18	3398.18	2		1505	0-PPM
24			SAND, fine - olive green with iron staining		
30			SAND, medium/fine - brown/orange with concrete debris and small rnd gravels		
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b12.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B13

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
6	3399.01	1	SAND, medium/fine - brown	0845	0-PPM
12					
18	3399.02	2	SAND, medium/fine - tan/brown with some concrete debris, brick	0845	0-PPM
24					
30			Concrete Debris		
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b13.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B14

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF, dark silty fine sand		
6	3399.03	1	SAND, fine - brown/tan with some coal like fragments	0915	0-PPM
12					
18	3399.04	2		0915	0-PPM
			SAND, medium/fine - brown/tan		
24			Concrete Debris		
			SAND, medium/fine - tan		
30					
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b14.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B15

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED	: 3-11-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC.#	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	:		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF, dark silty fine sand		
6			SAND, medium/fine - dark brown tan/orange		
	3399.05	1	Cement Debris	0930	0-PPM
12			SAND, fine - orange		
18	3399.06	2		0930	0-PPM
24					
30			SANDY CLAY, dk. olive green small angular gravels		
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b15.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B16

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV
JOSEPH FALLON
M-4 LANDFILL

DATE COMPLETED : 3-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF, dark silty fine sand		
6	3399.07	1	CLAYEY SAND, fine - orange/olive green	0943	0.8-PPM
12			SAND, fine - olive green dark brown		
18	3399.08	2	Asphalt	0943	0.8-PPM
			Cement		
24			CLAYEY SAND, olive green		
			Cement		
30					
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b16.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B17

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF, dark silty fine sand		
6			Mixed Sands with Asphalt with Cement Debris		
	3399.09	1		1005	0.0-PPM
12					
18	3399.10	2		1005	0.0-PPM
24					
30					
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b17.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B18

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF, dark silty fine sand		
6	3399.11	1	SAND, medium/coarse - brown/black with some gravel	1015	0.0-PPM
12					
18	3399.12	2		1015	0.0-PPM
			Cement		
24					
			SAND, dark green with some clay		
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B19

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV
JOSEPH FALLON
M-4 LANDFILL

DATE COMPLETED	: 3-11-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC.#	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	:		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF, dark silty fine sand		
6	3399.13	1	SAND, fine - lt. brown w/ Black Fragments	1100	0.0-PPM
12		2			
18	3399.14		Asphalt	1100	0.0-PPM
			SAND, fine - dark brown w/ Concrete debris		
24			CLAYEY SAND, fine		
30			SILTY SAND, olive green with some clay		
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B20

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV
JOSEPH FALLON
M-4 LANDFILL

DATE COMPLETED : 3-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF, dark silty fine sand		
6	3399.15	1	SAND, fine - tan/orange	1119	0.0-PPM
12		2	SAND, fine - tan		
18	3399.16			1119	0.0-PPM
24			SILTY SAND, fine - dark brown w/ Little Clay		
30			CLAYEY SAND, fine - black/green w/ round gravels		
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B21

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV
JOSEPH FALLON
M-4 LANDFILL

DATE COMPLETED : 3-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF, dark silty fine sand		
6	3399.17	1	SAND, fine - brown/green w/ small round gravel	1130	0.0-PPM
12					
18	3399.18	2		1130	0.0-PPM
24					
			SAND, medium/fine - dark brown w/ burnt material		
30			Cement		
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B22

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF, dark silty fine sand		
6	3399.19	1	SILTY SAND, dark brown w/ cement debris	1143	0.0-PPM
12			Cement Debris		
18	3399.20	2	SAND, fine - brown olive green w/ cement debris	1143	0.0-PPM
24					
30					
36					
42					

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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B23

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF, dark silty fine sand		
6	3399.21	1	SAND, brown/tan w/ Cement Debris	1155	0.0-PPM
12					
18	3399.22	2		1155	0.0-PPM
24			Cement Debris w/ green material		
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B24

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF, dark silty fine sand		
6	3399.23	1	SAND, fine - brown w/ Clay rnd Quartz gravels	1400	0.0-PPM
12		2	SAND, fine - brown/tan w/ small round gravels and some brick		
18	3399.24			1400	0.0-PPM
24			CLAYEY SAND, w/ some small gravels		
30			SAND, medium/fine - green/brown and small angular gravels		
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B25

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF, dark silty fine sand		
6	3399.25	1	SAND, fine - dark brown w/ silt	1416	0.0-PPM
12			Cement		
18	3399.26	2	SAND, medium/fine - brown/tan Gravels	1416	0.0-PPM
			SANDY CLAY, brown w/ small round gravels		
24			Cement		
			SAND, medium/fine - dark green w/ Cement Debris		
30					
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b25.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B26

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF, dark silty fine sand		
6	3399.27	1	SAND, medium/fine - tan/brown	1436	0.0-PPM
12			SAND, medium/fine - tan/brown w/ Cement debris		
18	3399.28	2		1436	0.0-PPM
24			Asst. sands w/ cement Debris		
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B27

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
			SAND, fine - brown		
6					
	3399.31	1	Cement Debris	1451	0.0-PPM
			SANDY CLAY, fine - brown		
12			Cement Debris		
18	3399.32	2	LOAM lt. brown/tan	1451	0.0-PPM
24			SAND, medium/fine - green		
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B28

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV
JOSEPH FALLON
M-4 LANDFILL

DATE COMPLETED : 3-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
			SAND, medium/fine - brown		
6	3399.33	1		1504	0.0-PPM
12			Cement Debris		
			SAND, fine - green w/ some clay		
18	3399.34	2		1504	0.0-PPM
24			Cement		
30					
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b28.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B29

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
6	3399.35	1	SANDY CLAY, fine - dark brown	1515	0.0-PPM
12			Black Material (Asphalt)		
18	3399.36	2	CLAYEY SAND, brown green	1515	0.0-PPM
24			SAND, medium/coarse - lt.tan		
30			CLAYEY SAND, black/ green		
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B30

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark brown sand & silt		
6	3403.01	1	SAND, small round gravels	0905	0.0-PPM
12					
18	3403.02	2	Ashalt Degraded	0905	0.0-PPM
			SAND, brown black gray w/ small round gravel		
24					
30					
			SANDY SILT, dark olive green		
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B31

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark brown sand & silt		
6	3403.03	1	SAND, fine/ medium lt. brown	0920	0.0-PPM
12					
18	3403.04	2	SANDY CLAY, black	0920	0.0-PPM
			CLAYEY SILT, black organic matter present		
24					
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B32

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark brown sand & silt		
6	3403.05	1	SAND, medium/fine - very dark gray-brown	0930	0.0-PPM
12			Mixed concrete of sands and fill material (Cement, Wood, Brick)		
18	3403.06	2		0930	0.0-PPM
24					
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B33

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED	: 3-12-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC.#	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	:		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark brown sand & silt		
6	3403.07	1	SAND, medium/fine	0949	0.0-PPM
12			Asphalt		
18	3403.08	2		0949	0.0-PPM
24			SAND, medium/fine		
30			CEMENT		
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B34

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED	: 3-12-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC.#	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	:		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark brown sand & silt		
6			SAND, fine		
	3403.09	1		1000	0.0-PPM
12					
18	3403.10	2		1000	0.0-PPM
24					
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B35

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark brown sand & silt		
6	3403.11	1	SAND, fine	1020	0.0-PPM
12			SAND, fine - with ang. gravels		
18	3403.12	2		1025	0.0-PPM
24					
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B36

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark brown sand & silt		
6	3403.13	1	SAND, fine - with small rnd gravel	1035	0.0-PPM
12					
18	3403.14	2	CLAYEY SAND, fine	1035	0.0-PPM
24			Fill Materials Cement debris, Brick, Gravel		
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B37

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark brown sand & silt		
6	3403.15	1	SAND, fine - with small rnd gravel	1045	0.0-PPM
12					
18	3403.16	2	CLAYEY SAND, fine	1045	0.0-PPM
24					
			Fill Materials Cement debris, Brick, Gravel		
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B38

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED	: 3-12-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC.#	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	:		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark brown sand & silt		
6	3403.17	1	SAND, fine	1058	0.0-PPM
12					
18	3403.18	2		1058	0.0-PPM
24					
			CLAYEY SAND, fine - with Cement		
30					
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b38.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B39

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark brown sand & silt		
6	3403.19	1	SAND, fine - with some small round gravels	1110	0.0-PPM
12					
18	3403.20	2		1110	0.0-PPM
24					
			Cement Debris		
30			SAND, fine - with gravels		
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B40

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV
JOSEPH FALLON
M-4 LANDFILL

DATE COMPLETED : 3-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark brown sand & silt		
6	3403.21	1	SAND, fine	1120	0.0-PPM
12			Asphalt Material		
18	3403.22	2		1120	0.0-PPM
24			SAND, fine - with some small Round Gravels		
30			Asst. Sands and Fill Material		
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b40.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B41

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV
JOSEPH FALLON
M-4 LANDFILL

DATE COMPLETED : 3-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark brown sand & silt		
6			SAND, fine -Black material		
	3403.23	1		1330	0.0-PPM
12					
18	3403.24	2		1330	0.0-PPM
24					
30			Cement Debris		
			CLAYEY SILT, with black mottling, Wood Sludge at Bottom		
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b41.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B42

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark brown sand & silt		
6	3403.25	1	SAND, fine - tan with small rnd gravels	1340	0.0-PPM
12			SAND, medium/coarse - brown with rnd gravels		
18	3403.26	2		1340	0.0-PPM
24					
30					
36					
42					

01-15-1999 X:\MTECH5\M4\m4-b42.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B43

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV
JOSEPH FALLON
M-4 LANDFILL

DATE COMPLETED	: 3-12-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC.#	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	:		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark brown sand & silt		
6	3403.27	1	SAND, fine - dark brown	1353	0.0-PPM
12					
18	3403.28	2		1353	0.0-PPM
24			SILTY SAND, fine - green brown		
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B44

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark brown sand & silt		
6	3403.29	1	SAND, fine - dark brown	1407	0.0-PPM
12					
18	3403.30	2	SILTY SAND, fine - green brown	1407	0.0-PPM
24					
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B45

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark brown sand & silt		
6	3403.31	1	SAND, medium/fine	1418	0.0-PPM
12					
18	3403.32	2		1418	0.0-PPM
24			CLAY dense- olive with some fine sand		
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B46

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV
JOSEPH FALLON
M-4 LANDFILL

DATE COMPLETED : 3-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark brown sand & silt		
6	3403.33	1	SAND, medium/fine	1430	0.0-PPM
12					
18	3403.34	2		1430	0.0-PPM
24			CLAY dense- olive with some fine sand		
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B47

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF dark gray brown with Cement debris		
6	3403.35	1	CLAYEY SAND, Strong Brown	1440	0.0-PPM
12			CLAYEY SAND, Strong Brown		
18	3403.36	2		1440	0.0-PPM
24					
30			CEMENT		
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B48

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
6	3403.39	1	SAND, medium/fine	1452	0.0-PPM
12			CLAYEY SILT and Fine Sand		
18	3403.40	2		1452	0.0-PPM
24					
30			Fill Material Coal And Cement		
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B49

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV
JOSEPH FALLON
M-4 LANDFILL

DATE COMPLETED : 3-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
			SILTY SAND, Black		
6	3403.41	1		1505	0.0-PPM
12					
18	3403.42	2		1505	0.0-PPM
24					
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B50

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
6	3408.01	1	SAND, fine - gray	0837	0.0-PPM
12					
18	3408.02	2	SAND, fine - black and silts with rnd gravels and fill debris	0837	0.0-PPM
24			SAND, fine - black with CLAYEY SAND- fine and Debris		
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B51

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
6					
	3408.03	1	SAND, fine - light olive brown	0853	0.0-PPM
12					
18	3408.04	2		0853	0.0-PPM
24					
30					
			SAND, fine - black with wood debris		
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B52

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
			SAND, fine - very dark gray		
6	3408.05	1		0904	0.0-PPM
12					
18	3408.06	2		0904	0.0-PPM
24					
30			Mixed Debris (Fine Sands, Cement, Tree Root, Gravels)		
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B53

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
			SAND, fine - olive		
6	3408.07	1		0914	0.0-PPM
12					
18	3408.08	2		0914	0.0-PPM
24					
30					
			SAND, fine - black		
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B54

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
6			SAND, fine - olive		
	3408.09	1		0928	0.0-PPM
12					
18	3408.10	2		0928	0.0-PPM
24					
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B55

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED	: 3-13-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC.#	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	:		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
6	3408.11	1	SAND, Dark Brown Moist	0945	0.0-PPM
12					
18	3408.12	2		0945	0.0-PPM
24					
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B56

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
6			CLAYEY SAND, olive with rnd gravel		
	3408.13	1		1003	0.0-PPM
12					
18	3408.14	2		1003	0.0-PPM
24					
30					
36			SAND, medium/fine - Wet		
42					
48					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B57

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
6	3408.15	1	CLAYEY SILT, olive and small md gravels	1017	0.0-PPM
12					
18	3408.16	2		1017	0.0-PPM
24			CLAYEY SAND, fine - olive		
30					
36					
42					

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000701

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B58

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV
JOSEPH FALLON
M-4 LANDFILL

DATE COMPLETED : 3-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
6	3408.17	1	SAND, fine - olive brown	1025	0.0-PPM
12					
18	3408.18	2		1025	0.0-PPM
			Cement		
			SAND, fine/ medium-light olive brown with rnd gravels		
24			CLAYEY SILT, very dark brown with sands		
30					
36					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B59

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
6	3408.19	1	SAND, fine - olive brown	1055	0.0-PPM
12					
18	3408.20	2		1055	0.0-PPM
			Cement		
			SAND, fine/ medium-light olive brown with rnd gravels		
24			CLAYEY SILT, very dark brown with sands		
30					
36					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B60

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486 .

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
6			Mixed Sands and Fill Debris		
	3408.21	1		1115	0.0-PPM
12					
18	3408.22	2		1115	0.0-PPM
24					
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B61

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
6	3408.23	1	SAND, fine - Dark brown with organic material	1130	0.0-PPM
12			Mixed Sands with Concrete Debris		
18	3408.24	2		1130	0.0-PPM
24					
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B62

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
6			SAND, fine - yellow brown		
	3408.25	1		1140	0.0-PPM
12					
18	3408.26	2		1140	0.0-PPM
24					
30					
36					
42					

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M4-B63

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 3-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	HNU
0			TURF		
6	3408.27	1	SAND, fine - yellow brown	1153	0.0-PPM
12					
18	3408.28	2		1153	0.0-PPM
24					
30					
36					
42					

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APPENDIX F

Compliance Average Area Names

Appendix F
Compliance Average Area Names
M-4 Landfill
Fort Monmouth, New Jersey

Compliance Area Name:	AREA SVOC-1	Boring ID
		B01
		B02
		B03
		B04
		B05
		B06
		B07
		B08
		B09
		B13
		B14
		B15
		B16
		B17
		B18
		B19
		B20
		B21
		B24
		B25
		B26
		B27
		B28
		B29
		B30
		B31
		B35
		B36
		B37
		B38
		B39
		B40
		B41
		B42
		B46
		B47
		B48
		B49
		B50
		B51
		B58
Compliance Area Name:	AREA PESTPCB-1	Boring ID
		B43
		B44
		B45
		B54
		B55
Compliance Area Name:	AREA METALS-1	Boring ID

B01
B02
B03
B11
B12
B13
B14
B15
B16
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B21
B22
B23
B24
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B57
B58
B59