FINAL

Remedial Investigation Report for Near-Surface Soils

M-12 Landfill Site

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

Directorate of Public Works

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EXECUTIVE SUMMARY

To demonstrate compliance equivalence of the existing soil cover over the M-12 Landfill Site with respect to the Solid Waste Disposal Act of 1965, DPW characterized the near-surface soils using 147 borings installed at strategic locations over the site. DPW performed soil borings and obtained soil samples between March 1998 and September 1999. 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 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 exceedance was considered marginal. However, to address the exceedances 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-12 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-12 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-12 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 (RI) Report (RIR) for the M-12 Landfill Site. The M-12 Landfill Site is located on the south side of Husky Brook, west of Murphy Drive on the Main Post of Fort Monmouth. This RIR presents a compilation of the results of remedial investigation conducted at the M-12 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-12 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 New Jersey Department of Environmental Protection (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 Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
- 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-12 Landfill Site located at Fort Monmouth. **Section 3.0** describes and summarizes the soil sampling activities conducted at the M-12 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-12 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 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-12 Landfill was a former historic fill site located on the central portion of the Main Post, south and adjacent to Husky Brook, and west of Murphy Drive. The historic fill, used to raise the elevation of the ground surface in the vicinity of Husky Brook, reportedly contained domestic and industrial wastes and may have been used for the disposal of automobile wastes. The M-12 Landfill consists of two areas, a northeast area and a southwest area. The approximate size of the northeast area is 60,100 feet^2 (1.4 acres). The approximate size of the southwest area is 29,200 feet^2 (0.7 acre). Based on historical research, the period of operation of the fill site was approximately 1950 to 1966.

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-12 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-12 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 geophysical investigations, sediment and surface water sampling, transformer site sampling, surface and subsurface soil sampling, groundwater monitoring well installation and sampling and tidal monitoring. The Weston SI report was used as the basis for the supplemental remedial investigations described in the following sections of this report.

Weston concluded the following:

- The geophysical surveys (GPR and magnetometer) indicated that the extent of the identified fill and waste material was within the suspected boundaries of the landfill.
- Lithologic data collected from the soil borings indicated that the overburden material consisted of a thin soil cover, approximately 0.3 feet, overlaying fill material consisting of organic debris and coal fragments intermixed with a moderately to poorly sorted olive-green-brown, silty, medium- to fine-grained, sand with clay lenses.

2.3 Environmental Setting

The following is a description of the geological/hydrogeological setting of the area surrounding the M-12 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-12 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 are 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. The individual thicknesses 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 Sand and Tinton Sand, and the Tertiary-age Hornerstown Sand crop out 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. The lower member (Sandy Hook) is a dark gray to black, medium-to-fine grained sand with abundant clay, mica and glauconite. The Navesink Formation, which crops out approximately four miles northwest of the Main Post is a dark grayish-black clayey glauconitic sand that conformably overlies the Mount Laurel Sand.

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 Sand is often highly oxidized and iron oxide encrusted (Minard, 1969).

The Hornerstown Sand unconformably overlies the Red Bank Sand and dips to the southeast at 50 to 60 feet per mile. The Hornerstown Sand consists of a dark green clayey glauconitic sand.

The Tertiary-age Kirkwood and Vincentown Formations crop out approximately two miles south of the Main Post. The Vincentown Formation contains a lower member, which is a greenish-gray glauconitic sand, and an upper member, which ranges from sand to clayey limestone. The Kirkwood Formation consists of alternating layers of sand and clay. The Vincentown and Kirkwood Formations dip to the southeast at approximately 20 and 27 feet per mile, respectively (Jablonski, 1968).

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-12 Landfill Site consists of a thin soil cover (0.3 feet) underlain by fill material. The

components of the fill materials observed in the borings consist of organic debris and coal fragments intermixed with a moderate to poorly sorted olive-green-brown silty medium-fine-grained sand with little clay. Groundwater saturation was observed at approximately two 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 northwest toward Husky Brook.

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 "composite 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.

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 (e.g., streams, lakes)

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-12 Landfill Site is located on the south side and adjacent to Husky Brook, which flows eastward into Oceanport 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-12 Landfill Site is likely to flow northward into Husky Brook.

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-12 Landfill Site. Remedial investigation activities were performed from March 1998 and continued through September 1999. 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-12 Landfill Site are described below.

The DPW characterized the near-surface soils at the M-12 Landfill Site by completing 147 borings (B1-B61 and B63-B148) 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 294 soil samples were collected from the 147 borings and were analyzed for the presence of VOCs, SVOCs, pesticides, PCBs and metals. The soil boring locations were located in and around the M-12 Landfill Site as identified in the Weston SI (1995). The locations of the borings were established in a grid-like pattern with approximately 30 feet between borings, both within the previously designated boundaries of the M-12 Landfill Site, as well as in an area extending west along Husky Brook, just beyond the southwest portion of the 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-12 Landfill Site were conducted at the Fort Monmouth Environmental Testing Laboratory (FMETL), a New Jersey certified laboratory (Certification No. 13461). The locations of these 147 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-12 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, PCBs and metals) and compare the analytical data with the NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC). Exceedances 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 294 soil samples collected from 147 borings (B1-B61 and B63-B148) at the M-12 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 147 borings at the M-12 Landfill Site were analyzed for VOCs, SVOCs, pesticides, PCBs and metals. The results that exceeded the respective RDCSCC are shaded and bold in **Table 4-1**.

4.1.1 VOCs

The VOC samples were collected from the M-12 Landfill Site soils at a depth of 24 inches bgs. **Table 4-1** presents the results of laboratory analysis of these analyses. There were no exceedances of the NJDEP RDCSCC for any VOCs at any of the 147 soil borings.

4.1.2 SVOCs

SVOC analyses were conducted on soil samples collected from the 147 soil borings at the M-12 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 17 of the 147 soil boring locations. The borings that presented exceedances 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 exceedances in parentheses, Benzo(a)anthracene (11), Benzo(a)pyrene (51), Benzo(b)fluoranthene (11), Benzo(k)fluoranthene (39), Chrysene (2), Dibenz(a,h)anthracene (5), and Indeno(1,2,3-cd)pyrene (16). **Table 4-3** presents a summary of the results, identifying the maximum, minimum and average exceedances for each of these parameters. A discussion of these exceedances is presented below.

- Benzo(a)anthracene was detected in 11 of the site soil samples above the RDCSCC of 0.9 mg/kg. The exceedance concentrations ranged from a minimum of 1.2 mg/kg (B129) to a maximum of 13 mg/kg (B127). The average exceedance concentration for Benzo(a)anthracene is 4.76 mg/kg.

- Benzo(a)pyrene was detected in 17 site soil samples above the RDCSCC of 0.66 mg/kg. The exceedance concentrations ranged from a minimum of 0.74 mg/kg (B9) to a maximum of 12 mg/kg (B127). The average exceedance concentration for Benzo(a)pyrene is 3.45 mg/kg.

- Benzo(b)fluoranthene was detected in 11 of the site soil samples above the RDCSCC of 0.9 mg/kg. The exceedance concentrations ranged from a minimum of 1.1 mg/kg (B25) to a maximum of 11 mg/kg (B127). The average exceedance concentration for Benzo(b)fluoranthene exceedances is 4.27 mg/kg.

- Benzo(k)fluoranthene was detected in 13 of the site soil samples above the RDCSCC of 0.9 mg/kg. The exceedance concentrations ranged from a minimum of 0.99 mg/kg (B42) to a maximum of 9.1 mg/kg (B127). The average exceedance concentration for Benzo(k)fluoranthene is 3.54 mg/kg.

- Chrysene was detected in two site soil samples, B127 (11 mg/kg) and B122 (14 mg/kg), above the RDCSCC of 9.0 mg/kg. The average of these two exceedances is 12.5 mg/kg.

- Dibenz(a,h)anthracene was detected in five of the site soil samples above the RDCSCC of 0.66 mg/kg. The exceedance concentrations ranged from a minimum of 0.68 mg/kg (B114) to a maximum of 2.0 mg/kg (B127). The average of the Dibenz(a,h)anthracene exceedances is 1.02 mg/kg.

- Indeno(1,2,3-cd)pyrene was detected in eight of the site soil samples above the RDCSCC of 0.9 mg/kg. The exceedance concentrations ranged from a minimum of 0.96 mg/kg (B110) to a maximum of 4.4 mg/kg (B127). The average exceedance concentration for Indeno(1,2,3-cd)pyrene is 2.21 mg/kg.

4.1.3 Pesticides and PCBs

Pesticide and PCB analyses were conducted on soil samples collected from the 147 borings at the M-12 Landfill Site at depths of approximately 6-12 inches bgs. Each of the 147 borings was analyzed for 19 pesticides and seven PCB compounds. There were no exceedances of the NJDEP RDCSCC for soils for pesticides or PCBs.

4.1.4 Metals

The soil samples from the 147 borings (see **Figure 4-3**) were analyzed for 24 TAL metals. The samples were collected from depths of 6-12 inches. A total of six metals

were detected at concentrations above their respective RDCSCC. The borings that contained exceedances of metals are listed in **Table 4-2**. The six metals that exceeded the RDCSCC in some of the borings are, with the number of exceedances in parentheses, Antimony (1), Arsenic (50), Beryllium (22), Lead (3), Mercury (1) and Zinc (1). **Table 4-3** presents a summary of the results, presenting the maximum, minimum and average exceedances for each of these parameters. A discussion of these exceedances is presented below.

- Antimony was detected above the RDCSCC of 14 mg/kg at one boring, B127 at a concentration of 16.7 mg/kg.

- Arsenic was detected in 50 of the site soil samples above the RDCSCC of 20 mg/kg. The exceedance concentrations ranged from a minimum of 20.1 mg/kg (B95) to a maximum of 51.3 mg/kg (B64). The average exceedance concentration for Arsenic is 27.13 mg/kg.

- Beryllium was detected above the RDCSCC of 2.0 mg/kg in 22 site soil samples. The exceedance concentrations ranged from a minimum of 2.01 mg/kg (B133) to a maximum of 2.81 mg/kg (B107). The average exceedance concentration for Beryllium is 2.30 mg/kg.

- Lead was detected above the RDCSCC of 400 mg/kg in three site soil samples, at borings B21 (404.4 mg/kg), B135 (442 mg/kg), and B139 (1090 mg/kg). The average exceedance concentration for lead is 645.47 mg/kg.

- Mercury was detected above the RDCSCC of 14 mg/kg at one boring, B1 at a concentration of 29.909 mg/kg.

- Zinc was detected above the RDCSCC of 1500 mg/kg at one boring, B139 at a concentration of 6530 mg/kg.

4.2 Compliance Analysis Method

The first step in determining compliance with the NJDEP Technical Requirements for Site Remediation (7:26E) at the M-12 landfill site was to complete the soil sample analysis. The analytical results from the 294 soil samples collected from 147 borings at the M-12 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 4-1** and described below.

Figures 4-2 and **4-3** present the analytical results for SVOCs and metals, respectively, by soil boring, for those analytes that exceeded the RDCSCC at one or more locations. There were no exceedances of the RDCSCC for VOCs, Pesticides and PCBs. Therefore, no figures were generated for VOCs, Pesticides and PCBs. 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 exceedances 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 exceedance 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-12 Landfill Site for each detected analyte that exceeded the respective RDCSCC is summarized in the last column in **Table 4-3**.

Compliance averaging was performed for analytes that met the requirements as summarized in **Figure 4-1**. Compliance average areas were identified within the M-12 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-12 Landfill Site that presented exceedances 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 4-2** (SVOCs) 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 SVOC-1." When calculating average results, the following rules applied:

1) One-half the method detection limit (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 are presented in **Appendix F** and summarized in **Table 4-4**. 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* exceedance:

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-12 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 exceedances 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 M-12 Landfill Site presenting the exceedance.

4.3 Compliance Analysis

The Compliance analysis method used to evaluate exceedances 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 exceedances of the NJDEP RDCSCC for soils for any VOCs at any of the 147 soil borings. This finding supports a No Further Action determination relative to VOCs in near-surface soils at the M-12 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, Chrysene, Dibenz(a,h)anthracene and Indeno(1,2,3-cd)pyrene. For the purposes of compliance analysis, the sample locations with exceedances of the RDCSCC for SVOCs have been grouped into three areas, AREA SVOC-1, AREA SVOC-2, and AREA SVOC-3. The borings contained within these compliance average areas 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 and AREA SVOC-3)

Benzo(a)anthracene was detected in 11 of the site soil samples above the RDCSCC of 0.9 mg/kg at concentrations ranging from 1.2 mg/kg to 13 mg/kg (average exceedance concentration of 4.76 mg/kg). Because the maximum concentration of Benzo(a)anthracene was greater than the 10X ceiling limit of 9 mg/kg in AREA SVOC-1, compliance averaging was not appropriate for Benzo(a)anthracene for this area of the M-12 Landfill Site.

Compliance averaging conducted for Benzo(a)anthracene in AREA SVOC-3 yielded the compliance average concentration of 0.864 mg/kg. Therefore, the compliance average for Benzo(a)anthracene in AREA SVOC-3 is below the RDCSCC of 0.9 mg/kg and is not of concern.

Due to the limited presence of Benzo(a)anthracene 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 exceedances of Benzo(a)anthracene at the M-12 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 Benzo(a)anthracene in near-surface soils at the M-12 Landfill Site.

Benzo(a)pyrene (AREA SVOC-1, AREA SVOC-2, and AREA SVOC-3)

Benzo(a)pyrene was detected in 17 site soil samples above the RDCSCC of 0.66 mg/kg at concentrations ranging from 0.74 mg/kg to 12 mg/kg (average exceedance concentration of 3.45 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-12 Landfill Site with respect to Benzo(a)pyrene.

Due to the limited presence of Benzo(a)pyrene in the areas of the M-12 Landfill Site identified as AREA SVOC-1, AREA SVOC-2, and AREA SVOC-3 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 exceedances of Benzo(a)pyrene at the M-12 Landfill Site (AREA SVOC-1, AREA SVOC-2, and AREA SVOC-3) 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-12 Landfill Site.

Benzo(b)fluoranthene (AREA SVOC-1 and AREA SVOC-3)

Benzo(b)fluoranthene was detected in 11 of the site soil samples above the RDCSCC of 0.9 mg/kg at concentrations ranging from 1.1 mg/kg to 11 mg/kg (average exceedance concentration of 4.27 mg/kg). Because the maximum concentration of Benzo(b)fluoranthene was greater than the 10X ceiling limit of 9 mg/kg in AREA SVOC-1, compliance averaging was not appropriate for Benzo(b)fluoranthene for this area of the M-12 Landfill Site.

Compliance averaging was conducted for Benzo(b)fluoranthene in AREA SVOC-3 and found to be 0.586 mg/kg. Therefore, the compliance average for Benzo(b)fluoranthene in AREA SVOC-3 is below the RDCSCC of 0.9 mg/kg and is not of concern.

Due to the limited presence of Benzo(b)fluoranthene 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 exceedances of Benzo(b)fluoranthene at the M-12 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 Benzo(b)fluoranthene in near-surface soils at the M-12 Landfill Site.

Benzo(k)fluoranthene (AREA SVOC-1, AREA SVOC-2, and AREA SVOC-3)

Benzo(k)fluoranthene was detected in 13 of the site soil samples above the RDCSCC of 0.9 mg/kg at concentrations ranging from 0.99 mg/kg to 9.1 mg/kg (average exceedance concentration of 3.54 mg/kg). Based on the soil analytical results, compliance averaging was undertaken for AREA SVOC-1, AREA SVOC-2, and AREA SVOC-3 with the following results:

- Compliance averaging conducted for Benzo(k)fluoranthene in AREA SVOC-1 yielded the compliance average concentration of 1.283 mg/kg. A *de minimus* area could not be determined for Benzo(k)fluoranthene in AREA SVOC-1 due to the number of exceedances and their distribution within this compliance average area.
- Compliance averaging conducted for Benzo(k)fluoranthene in AREA SVOC-2 yielded the compliance average concentration of 0.567 mg/kg. Therefore, the compliance average for Benzo(k)fluoranthene in AREA SVOC-2 is below the RDCSCC of 0.9 mg/kg and is not of concern.
- Compliance averaging conducted for Benzo(k)fluoranthene in AREA SVOC-3 yielded the compliance average concentration of 0.844 mg/kg. Therefore, compliance average for Benzo(k)fluoranthene in AREA SVOC-3 is below the RDCSCC of 0.9 mg/kg and is not of concern.

Due to the limited presence of Benzo(k)fluoranthene in the area of the site identified as AREA SVOC-1 and the compliance averaging results discussed above, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan. The DER equivalent will apply to soils presenting exceedances of Benzo(k)fluoranthene at the M-12 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 Benzo(k)fluoranthene in near-surface soils at the M-12 Landfill Site.

Chrysene (AREA SVOC-1)

Chrysene was detected in two site soil samples above the RDCSCC of 9.0 mg/kg at concentrations of 11 mg/kg and 14 mg/kg (average exceedance concentration of 12.5 mg/kg). Compliance averaging conducted for Chrysene in AREA SVOC-1 yielded the compliance average concentration of 1.642 mg/kg. Therefore, the compliance average for Chrysene in AREA SVOC-1 is below the RDCSCC of 9 mg/kg and is not of concern. These findings support a No Further Action determination for Chrysene in near-surface soils at the M-12 Landfill Site.

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

Dibenz(a,h)anthracene was detected in five of the site soil samples above the RDCSCC of 0.66 mg/kg at concentrations ranging from 0.68 mg/kg to 2.0 mg/kg (average exceedance concentration of 1.02 mg/kg). Compliance averaging conducted for Dibenz(a,h)anthracene in AREA SVOC-1 yielded the compliance average concentration of 0.720 mg/kg. The compliance average concentration for Dibenz(a,h)anthracene in AREA SVOC-1 is only marginally above the RDCSCC of 0.66 mg/kg and is therefore not of concern. These findings support a No Further Action determination for Dibenz(a,h) anthracene in near-surface soils at the M-12 Landfill Site.

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

Indeno(1,2,3-cd)pyrene was detected in eight of the site soil samples above the RDCSCC of 0.9 mg/kg at concentrations ranging from 0.96 mg/kg to 4.4 mg/kg (average exceedance concentration of 2.21 mg/kg). Based on soil analytical results, compliance averaging was conducted for Indeno(1,2,3-cd)pyrene with the following results:

- Compliance averaging conducted for Indeno(1,2,3-cd)pyrene in AREA SVOC-1 yielded the compliance average concentration of 0.770 mg/kg. Therefore, the compliance average for Indeno(1,2,3-cd)pyrene in AREA SVOC-1 is below the RDCSCC of 0.9 mg/kg and is not of concern.
- Compliance averaging for Indeno(1,2,3-cd)pyrene in AREA SVOC-1 yielded the compliance average concentration of 0.458 mg/kg. Therefore, the compliance average for Indeno(1,2,3-cd)pyrene in AREA SVOC-3 is below 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-12 Landfill Site.

4.3.3 Pesticides and PCBs

There were no exceedances of the NJDEP RDCSCC for soils for pesticides and PCBs. This finding supports a No Further Action determination relative to pesticide and PCB soil contamination.

4.3.4 Metals

Six metals were detected at concentrations above their respective RDCSCC: Antimony, Arsenic, Beryllium, Lead, Mercury and Zinc. For the purpose of compliance analysis, the sample locations with exceedances of the RDCSCC for metals have been grouped into two areas, AREA METALS-1 and AREA METALS-2. The borings contained within these compliance average areas are labeled in **Figure 4-3** 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 above the RDCSCC of 14 mg/kg at one boring at a concentration of 16.7 mg/kg. Compliance averaging conducted for Antimony in AREA METALS-1 yielded the compliance average concentration of 0.488 mg/kg. Therefore, the compliance average for Antimony is below the RDCSCC of 14 mg/kg and is not of concern. These findings support a No Further Action determination for Antimony in near-surface soils at the M-12 Landfill Site.

Arsenic (AREA METALS-1 and AREA METALS-2)

Arsenic was detected in 50 of the site soil samples above the RDCSCC of 20 mg/kg at concentrations ranging from 20.1 mg/kg to 51.3 mg/kg (average exceedance concentration of 27.13 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 areas of the M-12 Landfill Site identified as AREA METALS-1 and AREA METALS-2 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 exceedances of Arsenic at the M-12 Landfill Site (AREA METALS-1 and AREA METALS-2) 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-12 Landfill Site.

Beryllium (AREA METALS-1)

Beryllium was detected above the RDCSCC of 2.0 mg/kg in 22 site soil samples at concentrations ranging from 2.01 mg/kg to 2.81 mg/kg (average exceedance concentration of 2.30 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 mg/kg.

Due to the limited presence of Beryllium in the areas of the M-12 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 exceedances of Beryllium at the M-12 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-12 Landfill Site.

Lead (AREA METALS-1 and AREA METALS-2)

Lead was detected above the RDCSCC of 400 mg/kg in three site soil samples at concentrations ranging from 404.4 mg/kg to 1090 mg/kg (average exceedance concentration of 645.47 mg/kg). Because the maximum concentration of Lead was greater than the 2X ceiling limit of 800 mg/kg in AREA METALS-1, compliance averaging was not appropriate for Lead for this area of the M-12 Landfill Site.

Compliance averaging conducted for Lead in AREA METALS-2 yielded the compliance average concentration of 76.784 mg/kg. Therefore, the compliance average for Lead in AREA METALS-2 is below the RDCSCC of 400 mg/kg and is not of concern.

Due to the limited presence of Lead 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 exceedances of Lead at the M-12 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 Lead in near-surface soils at the M-12 Landfill Site.

Mercury (AREA METALS-2)

Mercury was detected above the RDCSCC of 14 mg/kg at one boring at a concentration of 29.909 mg/kg. Compliance averaging conducted for Mercury in AREA METALS-2 yielded the compliance average concentration of 2.005 mg/kg. Therefore, the compliance average for Mercury in AREA METALS-2 is below the RDCSCC of 14 mg/kg and is not

of concern. These findings support a No Further Action determination relative to mercury in near-surface soils at the M-12 Landfill Site.

Zinc (AREA METALS-1)

Zinc was detected above the RDCSCC of 1,500 mg/kg at one boring at a concentration of 6530 mg/kg. Because the maximum concentration of Zinc was greater than the 2X ceiling limit of 3000 mg/kg in AREA METALS-1, compliance averaging was not appropriate for Zinc for this area of the M-12 Landfill Site.

Due to the limited presence of Zinc 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 exceedances of Zinc at the M-12 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 Zinc in near-surface soils at the M-12 Landfill Site.

5.0 CONCLUSIONS AND RECOMMENDATIONS

To demonstrate compliance equivalence of the existing soil cover over the M-12 Landfill Site with respect to the Solid Waste Disposal Act of 1965, DPW characterized the near-surface soils using 147 borings from strategic locations over the site. DPW installed soil borings and obtained soil samples between March 1998 and September 1999. 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. 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 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 exceedance was considered marginal (e.g., within 1 to 2 mg/kg of the RDCSCC). However, to address the exceedances 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 exceedances. The Army is therefore requesting a ***No Further Action*** for these parameters. The DER equivalent may be developed for the entire M-12 Landfill Site or be restricted to the following areas and analytes (see **Figures 4-2** and **4-3** for the boundaries of these areas):

- AREA SVOC-1: Benzo(a)anthracene, Benzo(a)pyrene, and Benzo(b)fluoranthene
- AREA SVOC-2: Benzo(a)pyrene
- AREA SVOC-3: Benzo(a)pyrene
- AREA METALS-1: Arsenic, Beryllium, Lead, and Zinc
- AREA METALS-2: Arsenic

Given the inactive and undisturbed status of the landfill, the performance of long-term surface water and groundwater monitoring proximate to the M-12 Landfill Site, the negligible impacts reported to-date, the lack of groundwater use at or downgradient of the M-12 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-12 Landfill Site.

6.0 REFERENCES

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TABLES

Table 3-1
Soil Sample Collection Summary
M-12 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")	3420.01	6-12"	3/19/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B01	B01 (24")	3420.02	24"	3/19/1998	Soil	VOCs	Method 8260
B02	B02 (6-12")	3420.03	6-12"	3/19/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B02	B02 (24")	3420.04	24"	3/19/1998	Soil	VOCs	Method 8260
B03	B03 (6-12")	3420.05	6-12"	3/19/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B03	B03 (24")	3420.06	24"	3/19/1998	Soil	VOCs	Method 8260
B04	B04 (6-12")	3420.07	6-12"	3/19/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B04	B04 (24")	3420.08	24"	3/19/1998	Soil	VOCs	Method 8260
B05	B05 (6-12")	3420.09	6-12"	3/19/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B05	B05 (24")	3420.10	24"	3/19/1998	Soil	VOCs	Method 8260
B06	B06 (4-10")	3420.11	4-10"	3/19/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B06	B06 (24")	3420.12	24"	3/19/1998	Soil	VOCs	Method 8260
B07	B07 (6-12")	3420.13	6-12"	3/19/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B07	B07 (24")	3420.14	24"	3/19/1998	Soil	VOCs	Method 8260
B08	B08 (6-12")	3420.15	6-12"	3/19/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B08	B08 (24")	3420.16	24"	3/19/1998	Soil	VOCs	Method 8260
B09	B09 (6-12")	3420.17	6-12"	3/19/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B09	B09 (24")	3420.18	24"	3/19/1998	Soil	VOCs	Method 8260
B10	B10 (6-12")	3424.02	6-12"	3/20/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B10	B10 (24")	3424.03	24"	3/20/1998	Soil	VOCs	Method 8260
B11	B11 (5-11")	3424.04	5-11"	3/20/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B11	B11 (24")	3424.05	24"	3/20/1998	Soil	VOCs	Method 8260
B12	B12 (6-12")	3424.06	6-12"	3/20/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B12	B12 (24")	3424.07	24"	3/20/1998	Soil	VOCs	Method 8260
B13	B13 (6-12")	3424.08	6-12"	3/20/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B13	B13 (24")	3424.09	24"	3/20/1998	Soil	VOCs	Method 8260
B14	B14 (3-9")	3424.10	3-9"	3/20/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B14	B14 (24")	3424.11	24"	3/20/1998	Soil	VOCs	Method 8260
B15	B15 (2-8")	3424.12	2-8"	3/20/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B15	B15 (24")	3424.13	24"	3/20/1998	Soil	VOCs	Method 8260
B16	B16 (2-8")	3424.14	2-8"	3/20/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B16	B16 (24")	3424.15	24"	3/20/1998	Soil	VOCs	Method 8260
B17	B17 (6-12")	3424.16	6-12"	3/20/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B17	B17 (24")	3424.17	24"	3/20/1998	Soil	VOCs	Method 8260
B18	B18 (3-9")	3424.18	3-9"	3/20/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B18	B18 (24")	3424.19	24"	3/20/1998	Soil	VOCs	Method 8260
B19	B19 (2-8")	3424.20	2-8"	3/20/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B19	B19 (24")	3424.21	24"	3/20/1998	Soil	VOCs	Method 8260
B20	B20 (6-12")	3425.02	6-12"	3/23/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B20	B20 (24")	3425.03	24"	3/23/1998	Soil	VOCs	Method 8260

Notes:
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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-12 Landfill
Fort Monmouth, New Jersey

Boring ID	Field Sample ID	Lab Sample ID	Depth	Date Collected	Matrix	Analytical Parameters	Analytical Methods
B21	B21 (3-9")	3425.04	3-9"	3/23/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B21	B21 (24")	3425.05	24"	3/23/1998	Soil	VOCs	Method 8260
B22	B22 (3-9")	3425.06	3-9"	3/23/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B22	B22 (24")	3425.07	24"	3/23/1998	Soil	VOCs	Method 8260
B23	B23 (3-9")	3425.08	3-9"	3/23/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B23	B23 (24")	3425.09	24"	3/23/1998	Soil	VOCs	Method 8260
B24	B24 (3-9")	3425.10	3-9"	3/23/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B24	B24 (24")	3425.11	24"	3/23/1998	Soil	VOCs	Method 8260
B25	B25 (6-12")	3425.12	6-12"	3/23/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B25	B25 (24")	3425.13	24"	3/23/1998	Soil	VOCs	Method 8260
B26	B26 (2-8")	3425.14	2-8"	3/23/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B26	B26 (24")	3425.15	24"	3/23/1998	Soil	VOCs	Method 8260
B27	B27 (4-10")	3425.16	4-10"	3/23/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B27	B27 (24")	3425.17	24"	3/23/1998	Soil	VOCs	Method 8260
B28	B28 (4-10")	3425.18	4-10"	3/23/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B28	B28 (24")	3425.19	24"	3/23/1998	Soil	VOCs	Method 8260
B29	B29 (6-12")	3425.20	6-12"	3/23/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B29	B29 (24")	3425.21	24"	3/23/1998	Soil	VOCs	Method 8260
B30	B30 (2-8")	3425.22	2-8"	3/23/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B30	B30 (24")	3425.23	24"	3/23/1998	Soil	VOCs	Method 8260
B31	B31 (2-8")	3428.02	2-8"	3/24/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B31	B31 (24")	3428.03	24"	3/24/1998	Soil	VOCs	Method 8260
B32	B32 (3-9")	3428.04	3-9"	3/24/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B32	B32 (24")	3428.05	24"	3/24/1998	Soil	VOCs	Method 8260
B33	B33 (3-9")	3428.06	3-9"	3/24/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B33	B33 (24")	3428.07	24"	3/24/1998	Soil	VOCs	Method 8260
B34	B34 (4-10")	3428.08	4-10"	3/24/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B34	B34 (24")	3428.09	24"	3/24/1998	Soil	VOCs	Method 8260
B35	B35 (3-9")	3428.10	3-9"	3/24/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B35	B35 (24")	3428.11	24"	3/24/1998	Soil	VOCs	Method 8260
B36	B36 (3-9")	3428.12	3-9"	3/24/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B36	B36 (24")	3428.13	24"	3/24/1998	Soil	VOCs	Method 8260
B37	B37 (3-9")	3428.14	3-9"	3/24/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B37	B37 (24")	3428.15	24"	3/24/1998	Soil	VOCs	Method 8260
B38	B38 (3-9")	3428.16	3-9"	3/24/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B38	B38 (24")	3428.17	24"	3/24/1998	Soil	VOCs	Method 8260
B39	B39 (3-9")	3428.18	3-9"	3/24/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B39	B39 (24")	3428.19	24"	3/24/1998	Soil	VOCs	Method 8260
B40	B40 (6-12")	3428.20	6-12"	3/24/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B40	B40 (24")	3428.21	24"	3/24/1998	Soil	VOCs	Method 8260

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Pest/PCBs = Pesticides/Polychlorinated-Biphenyls; TAL Metals = Target Analyte List Metals

Table 3-1
Soil Sample Collection Summary
M-12 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")	3428.22	6-12"	3/24/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B41	B41 (24")	3428.23	24"	3/24/1998	Soil	VOCs	Method 8260
B42	B42 (6-12")	3432.02	6-12"	3/25/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B42	B42 (24")	3432.03	24"	3/25/1998	Soil	VOCs	Method 8260
B43	B43 (6-12")	3432.04	6-12"	3/25/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B43	B43 (24")	3432.05	24"	3/25/1998	Soil	VOCs	Method 8260
B44	B44 (2-8")	3432.06	2-8"	3/25/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B44	B44 (24")	3432.07	24"	3/25/1998	Soil	VOCs	Method 8260
B45	B45 (3-9")	3432.08	3-9"	3/25/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B45	B45 (24")	3432.09	24"	3/25/1998	Soil	VOCs	Method 8260
B46	B46 (6-12")	3432.10	6-12"	3/25/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B46	B46 (24")	3432.11	24"	3/25/1998	Soil	VOCs	Method 8260
B47	B47 (5-11")	3432.12	5-11"	3/25/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B47	B47 (24")	3432.13	24"	3/25/1998	Soil	VOCs	Method 8260
B48	B48 (6-12")	3432.14	6-12"	3/25/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B48	B48 (24")	3432.15	24"	3/25/1998	Soil	VOCs	Method 8260
B49	B49 (3-9")	3432.16	3-9"	3/25/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B49	B49 (24")	3432.17	24"	3/25/1998	Soil	VOCs	Method 8260
B50	B50 (4-10")	3432.18	4-10"	3/25/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B50	B50 (24")	3432.19	24"	3/25/1998	Soil	VOCs	Method 8260
B51	B51 (3-9")	3432.20	3-9"	3/25/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B51	B51 (24")	3432.21	24"	3/25/1998	Soil	VOCs	Method 8260
B52	B52 (6-12")	4748.02	6-12"	8/26/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B52	B52 (24")	4748.03	24"	8/26/1999	Soil	VOCs	Method 8260
B53	B53 (4-10")	4748.04	4-10"	8/26/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B53	B53 (24")	4748.05	24"	8/26/1999	Soil	VOCs	Method 8260
B54	B54 (2-8")	4748.06	2-8"	8/26/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B54	B54 (24")	4748.07	24"	8/26/1999	Soil	VOCs	Method 8260
B55	B55 (6-12")	4748.08	6-12"	8/26/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B55	B55 (24")	4748.09	24"	8/26/1999	Soil	VOCs	Method 8260
B56	B56 (6-12")	4748.10	6-12"	8/26/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B56	B56 (24")	4748.11	24"	8/26/1999	Soil	VOCs	Method 8260
B57	B57 (6-12")	4748.12	6-12"	8/26/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B57	B57 (24")	4748.13	24"	8/26/1999	Soil	VOCs	Method 8260
B58	B58 (4-11")	4748.14	4-11"	8/26/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B58	B58 (24")	4748.15	24"	8/26/1999	Soil	VOCs	Method 8260
B59	B59 (3-9")	4748.16	3-9"	8/26/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B59	B59 (24")	4748.17	24"	8/26/1999	Soil	VOCs	Method 8260
B60	B60 (6-12")	4748.18	6-12"	8/26/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B60	B60 (24")	4748.19	24"	8/26/1999	Soil	VOCs	Method 8260

Notes:
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Pest/PCBs = Pesticides/Polychlorinated-Biphenyls; TAL Metals = Target Analyte List Metals

Table 3-1
Soil Sample Collection Summary
M-12 Landfill
Fort Monmouth, New Jersey

Boring ID	Field Sample ID	Lab Sample ID	Depth	Date Collected	Matrix	Analytical Parameters	Analytical Methods
B61	B61 (4-10")	4748.20	4-10"	8/26/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B61	B61 (24")	4748.21	24"	8/26/1999	Soil	VOCs	Method 8260
B63	B63 (5-11")	4754.02	5-11"	8/27/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B63	B63 (24")	4754.03	24"	8/27/1999	Soil	VOCs	Method 8260
B64	B64 (6-12")	4754.04	6-12"	8/27/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B64	B64 (24")	4754.05	24"	8/27/1999	Soil	VOCs	Method 8260
B65	B65 (5-11")	4754.06	5-11"	8/27/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B65	B65 (24")	4754.07	24"	8/27/1999	Soil	VOCs	Method 8260
B66	B66 (5-11")	4754.08	5-11"	8/27/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B66	B66 (24")	4754.09	24"	8/27/1999	Soil	VOCs	Method 8260
B67	B67 (6-12")	4754.10	6-12"	8/27/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B67	B67 (24")	4754.11	24"	8/27/1999	Soil	VOCs	Method 8260
B68	B68 (5-11")	4754.12	5-11"	8/27/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B68	B68 (24")	4754.13	24"	8/27/1999	Soil	VOCs	Method 8260
B69	B69 (5-11")	4754.14	5-11"	8/27/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B69	B69 (24")	4754.15	24"	8/27/1999	Soil	VOCs	Method 8260
B70	B70 (0-6")	4754.16	0-6"	8/27/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B70	B70 (24")	4754.17	24"	8/27/1999	Soil	VOCs	Method 8260
B71	B71 (5-11")	4754.18	5-11"	8/27/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B71	B71 (24")	4754.19	24"	8/27/1999	Soil	VOCs	Method 8260
B72	B72 (7-13")	4754.20	7-13"	8/27/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B72	B72 (24")	4754.21	24"	8/27/1999	Soil	VOCs	Method 8260
B73	B73 (6-12")	4754.22	6-12"	8/27/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B73	B73 (24")	4754.23	24"	8/27/1999	Soil	VOCs	Method 8260
B74	B74 (6-12")	4760.02	6-12"	8/30/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B74	B74 (24")	4760.03	24"	8/30/1999	Soil	VOCs	Method 8260
B75	B75 (6-12")	4760.04	6-12"	8/30/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B75	B75 (24")	4760.05	24"	8/30/1999	Soil	VOCs	Method 8260
B76	B76 (3-9")	4760.06	3-9"	8/30/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B76	B76 (24")	4760.07	24"	8/30/1999	Soil	VOCs	Method 8260
B77	B77 (6-12")	4760.08	6-12"	8/30/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B77	B77 (24")	4760.09	24"	8/30/1999	Soil	VOCs	Method 8260
B78	B78 (6-12")	4760.10	6-12"	8/30/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B78	B78 (24")	4760.11	24"	8/30/1999	Soil	VOCs	Method 8260
B79	B79 (3-9")	4760.12	3-9"	8/30/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B79	B79 (24")	4760.13	24"	8/30/1999	Soil	VOCs	Method 8260
B80	B80 (6-12")	4760.14	6-12"	8/30/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B80	B80 (24")	4760.15	24"	8/30/1999	Soil	VOCs	Method 8260
B81	B81 (6-12")	4760.16	6-12"	8/30/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B81	B81 (24")	4760.17	24"	8/30/1999	Soil	VOCs	Method 8260

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Pest/PCBs = Pesticides/Polychlorinated-Biphenyls; TAL Metals = Target Analyte List Metals

Table 3-1
Soil Sample Collection Summary
M-12 Landfill
Fort Monmouth, New Jersey

Boring ID	Field Sample ID	Lab Sample ID	Depth	Date Collected	Matrix	Analytical Parameters	Analytical Methods
B82	B82 (6-12")	4760.18	6-12"	8/30/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B82	B82 (24")	4760.19	24"	8/30/1999	Soil	VOCs	Method 8260
B83	B83 (6-12")	4760.20	6-12"	8/30/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B83	B83 (24")	4760.21	24"	8/30/1999	Soil	VOCs	Method 8260
B84	B84 (6-12")	4760.22	6-12"	8/30/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B84	B84 (24")	4760.23	24"	8/30/1999	Soil	VOCs	Method 8260
B85	B85 (4-10")	4760.24	4-10"	8/30/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B85	B85 (24")	4760.25	24"	8/30/1999	Soil	VOCs	Method 8260
B86	B86 (6-12")	4760.26	6-12"	8/30/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B86	B86 (24")	4760.27	24"	8/30/1999	Soil	VOCs	Method 8260
B87	B87 (5-11")	4760.28	5-11"	8/30/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B87	B87 (24")	4760.29	24"	8/30/1999	Soil	VOCs	Method 8260
B88	B88 (5-11")	4760.30	5-11"	8/30/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B88	B88 (24")	4760.31	24"	8/30/1999	Soil	VOCs	Method 8260
B89	B89 (3-9")	4762.02	3-9"	8/31/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B89	B89 (24")	4762.03	24"	8/31/1999	Soil	VOCs	Method 8260
B90	B90 (6-12")	4762.04	6-12"	8/31/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B90	B90 (24")	4762.05	24"	8/31/1999	Soil	VOCs	Method 8260
B91	B91 (4-10")	4762.06	4-10"	8/31/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B91	B91 (24")	4762.07	24"	8/31/1999	Soil	VOCs	Method 8260
B92	B92 (6-12")	4762.08	6-12"	8/31/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B92	B92 (24")	4762.09	24"	8/31/1999	Soil	VOCs	Method 8260
B93	B93 (2-8")	4762.10	2-8"	8/31/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B93	B93 (24")	4762.11	24"	8/31/1999	Soil	VOCs	Method 8260
B94	B94 (4-10")	4762.12	4-10"	8/31/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B94	B94 (24")	4762.13	24"	8/31/1999	Soil	VOCs	Method 8260
B95	B95 (6-12")	4762.14	6-12"	8/31/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B95	B95 (24")	4762.15	24"	8/31/1999	Soil	VOCs	Method 8260
B96	B96 (6-12")	4762.16	6-12"	8/31/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B96	B96 (24")	4762.17	24"	8/31/1999	Soil	VOCs	Method 8260
B97	B97 (6-12")	4762.18	6-12"	8/31/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B97	B97 (24")	4762.19	24"	8/31/1999	Soil	VOCs	Method 8260
B98	B98 (3-9")	4762.20	3-9"	8/31/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B98	B98 (24")	4762.21	24"	8/31/1999	Soil	VOCs	Method 8260
B99	B99 (4-10")	4762.22	4-10"	8/31/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B99	B99 (24")	4762.23	24"	8/31/1999	Soil	VOCs	Method 8260
B100	B100 (6-12")	4762.24	6-12"	8/31/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B100	B100 (24")	4762.25	24"	8/31/1999	Soil	VOCs	Method 8260
B101	B101 (6-12")	4762.26	6-12"	8/31/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B101	B101 (24")	4762.27	24"	8/31/1999	Soil	VOCs	Method 8260

Notes:
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Pest/PCBs = Pesticides/Polychlorinated-Biphenyls; TAL Metals = Target Analyte List Metals

Table 3-1
Soil Sample Collection Summary
M-12 Landfill
Fort Monmouth, New Jersey

Boring ID	Field Sample ID	Lab Sample ID	Depth	Date Collected	Matrix	Analytical Parameters	Analytical Methods
B102	B102 (6-12")	4762.28	6-12"	8/31/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B102	B102 (24")	4762.29	24"	8/31/1999	Soil	VOCs	Method 8260
B103	B103 (6-12")	4774.02	6-12"	9/7/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B103	B103 (24")	4774.03	24"	9/7/1999	Soil	VOCs	Method 8260
B104	B104 (3-9")	4774.04	3-9"	9/7/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B104	B104 (24")	4774.05	24"	9/7/1999	Soil	VOCs	Method 8260
B105	B105 (0-6")	4774.06	0-6"	9/7/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B105	B105 (24")	4774.07	24"	9/7/1999	Soil	VOCs	Method 8260
B106	B106 (0-6")	4774.08	0-6"	9/7/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B106	B106 (24")	4774.09	24"	9/7/1999	Soil	VOCs	Method 8260
B107	B107 (4-10")	4774.10	4-10"	9/7/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B107	B107 (24")	4774.11	24"	9/7/1999	Soil	VOCs	Method 8260
B108	B108 (5-11")	4774.12	5-11"	9/7/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B108	B108 (24")	4774.13	24"	9/7/1999	Soil	VOCs	Method 8260
B109	B109 (6-12")	4774.14	6-12"	9/7/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B109	B109 (24")	4774.15	24"	9/7/1999	Soil	VOCs	Method 8260
B110	B110 (9-15")	4774.16	9-15"	9/7/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B110	B110 (24")	4774.17	24"	9/7/1999	Soil	VOCs	Method 8260
B111	B111 (3-9")	4774.18	3-9"	9/7/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B111	B111 (24")	4774.19	24"	9/7/1999	Soil	VOCs	Method 8260
B112	B112 (6-12")	4774.20	6-12"	9/7/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B112	B112 (24")	4774.21	24"	9/7/1999	Soil	VOCs	Method 8260
B113	B113 (6-12")	4774.22	6-12"	9/7/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B113	B113 (24")	4774.23	24"	9/7/1999	Soil	VOCs	Method 8260
B114	B114 (4-10")	4777.02	4-10"	9/8/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B114	B114 (24")	4777.03	24"	9/8/1999	Soil	VOCs	Method 8260
B115	B115 (6-12")	4777.04	6-12"	9/8/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B115	B115 (24")	4777.05	24"	9/8/1999	Soil	VOCs	Method 8260
B116	B116 (0-6")	4777.06	0-6"	9/8/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B116	B116 (24")	4777.07	24"	9/8/1999	Soil	VOCs	Method 8260
B117	B117 (4-10")	4777.08	4-10"	9/8/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B117	B117 (24")	4777.09	24"	9/8/1999	Soil	VOCs	Method 8260
B118	B118 (4-10")	4777.10	4-10"	9/8/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B118	B118 (24")	4777.11	24"	9/8/1999	Soil	VOCs	Method 8260
B119	B119 (0-6")	4777.12	0-6"	9/8/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B119	B119 (24")	4777.13	24"	9/8/1999	Soil	VOCs	Method 8260
B120	B120 (6-12")	4777.14	6-12"	9/8/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B120	B120 (24")	4777.15	24"	9/8/1999	Soil	VOCs	Method 8260
B121	B121 (0-6")	4777.16	0-6"	9/8/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B121	B121 (24")	4777.17	24"	9/8/1999	Soil	VOCs	Method 8260

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Pest/PCBs = Pesticides/Polychlorinated-Biphenyls; TAL Metals = Target Analyte List Metals

Table 3-1
Soil Sample Collection Summary
M-12 Landfill
Fort Monmouth, New Jersey

Boring ID	Field Sample ID	Lab Sample ID	Depth	Date Collected	Matrix	Analytical Parameters	Analytical Methods
B122	B122 (0-6")	4777.18	0-6"	9/8/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B122	B122 (24")	4777.19	24"	9/8/1999	Soil	VOCs	Method 8260
B123	B123 (0-6")	4777.20	0-6"	9/8/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B123	B123 (24")	4777.21	24"	9/8/1999	Soil	VOCs	Method 8260
B124	B124 (0-6")	4777.22	0-6"	9/8/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B124	B124 (24")	4777.23	24"	9/8/1999	Soil	VOCs	Method 8260
B125	B125 (0-6")	4777.24	0-6"	9/8/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B125	B125 (24")	4777.25	24"	9/8/1999	Soil	VOCs	Method 8260
B126	B126 (0-6")	4777.26	0-6"	9/8/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B126	B126 (24")	4777.27	24"	9/8/1999	Soil	VOCs	Method 8260
B127	B127 (0-6")	4790.02	0-6"	9/15/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B127	B127 (24")	4790.03	24"	9/15/1999	Soil	VOCs	Method 8260
B128	B128 (0-6")	4790.04	0-6"	9/15/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B128	B128 (24")	4790.05	24"	9/15/1999	Soil	VOCs	Method 8260
B129	B129 (0-6")	4790.06	0-6"	9/15/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B129	B129 (24")	4790.07	24"	9/15/1999	Soil	VOCs	Method 8260
B130	B130 (0-6")	4790.08	0-6"	9/15/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B130	B130 (24")	4790.09	24"	9/15/1999	Soil	VOCs	Method 8260
B131	B131 (0-6")	4790.10	0-6"	9/15/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B131	B131 (24")	4790.11	24"	9/15/1999	Soil	VOCs	Method 8260
B132	B132 (0-6")	4790.12	0-6"	9/15/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B132	B132 (24")	4790.13	24"	9/15/1999	Soil	VOCs	Method 8260
B133	B133 (0-6")	4790.14	0-6"	9/15/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B133	B133 (24")	4790.15	24"	9/15/1999	Soil	VOCs	Method 8260
B134	B134 (0-6")	4790.16	0-6"	9/15/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B134	B134 (24")	4790.17	24"	9/15/1999	Soil	VOCs	Method 8260
B135	B135 (0-6")	4790.18	0-6"	9/15/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B135	B135 (24")	4790.19	24"	9/15/1999	Soil	VOCs	Method 8260
B136	B136 (0-6")	4790.20	0-6"	9/15/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B136	B136 (24")	4790.21	24"	9/15/1999	Soil	VOCs	Method 8260
B137	B137 (0-6")	4790.22	0-6"	9/15/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B137	B137 (24")	4790.23	24"	9/15/1999	Soil	VOCs	Method 8260
B138	B138 (0-6")	4790.24	0-6"	9/15/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B138	B138 (24")	4790.25	24"	9/15/1999	Soil	VOCs	Method 8260
B139	B139 (0-6")	4790.26	0-6"	9/15/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B139	B139 (24")	4790.27	24"	9/15/1999	Soil	VOCs	Method 8260
B140	B140 (0-6")	4793.02	0-6"	9/20/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B140	B140 (24")	4793.03	24"	9/20/1999	Soil	VOCs	Method 8260
B141	B141 (0-6")	4793.04	0-6"	9/20/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B141	B141 (24")	4793.05	24"	9/20/1999	Soil	VOCs	Method 8260

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Pest/PCBs = Pesticides/Polychlorinated-Biphenyls; TAL Metals = Target Analyte List Metals

Table 3-1
Soil Sample Collection Summary
M-12 Landfill
Fort Monmouth, New Jersey

Boring ID	Field Sample ID	Lab Sample ID	Depth	Date Collected	Matrix	Analytical Parameters	Analytical Methods
B142	B142 (0-6")	4793.06	0-6"	9/20/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B142	B142 (24")	4793.07	24"	9/20/1999	Soil	VOCs	Method 8260
B143	B143 (0-6")	4793.08	0-6"	9/20/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B143	B143 (24")	4793.09	24"	9/20/1999	Soil	VOCs	Method 8260
B144	B144 (0-6")	4793.10	0-6"	9/20/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B144	B144 (24")	4793.11	24"	9/20/1999	Soil	VOCs	Method 8260
B145	B145 (0-6")	4793.12	0-6"	9/20/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B145	B145 (24")	4793.13	24"	9/20/1999	Soil	VOCs	Method 8260
B146	B146 (0-6")	4793.14	0-6"	9/20/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B146	B146 (24")	4793.15	24"	9/20/1999	Soil	VOCs	Method 8260
B147	B147 (0-6")	4793.16	0-6"	9/20/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B147	B147 (24")	4793.17	24"	9/20/1999	Soil	VOCs	Method 8260
B148	B148 (0-6")	4793.18	0-6"	9/20/1999	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B148	B148 (24")	4793.19	24"	9/20/1999	Soil	VOCs	Method 8260

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Table 4-1
Soil Sampling Results (March 1998 to September 1999)
M-12 Landfill
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP Cleanup Criteria	3420.01	3420.02	3420.03	3420.04	3420.05	3420.06	3420.07	3420.08	3420.09	3420.10	3420.11	3420.12	3420.13	3420.14	3420.15	3420.16	3420.17	3420.18
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 (4-10")	B06 (24")	B07 (6-12")	B07 (24")	B08 (6-12")	B08 (24")	B09 (6-12")	B09 (24")
Sample Date	(mg/kg)	3/19/1998	3/19/1998	3/19/1998	3/19/1998	3/19/1998	3/19/1998	3/19/1998	3/19/1998	3/19/1998	3/19/1998	3/19/1998	3/19/1998	3/19/1998	3/19/1998	3/19/1998	3/19/1998	3/19/1998	3/19/1998
Volatiles (mg/kg)																			
Acetone	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Benzene	3		ND		ND		ND		ND		ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	79		ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
m+p-Xylenes	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND		ND		ND
o-Xylene	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Vinyl Chloride	2		ND		ND		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)																			
2-Methylnaphthalene	NLE	ND		0.083J		ND		ND		ND		ND		0.077J		1.1D		0.074J	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND		0.61D		0.093J	
Acenaphthylene	NLE	ND		0.087J		0.11J		ND		ND		ND		210		0.32D		0.081J	
Anthracene	10,000	ND		ND		0.094J		ND		ND		ND		0.12J		1.2D		190	
Benzo[a]anthracene	0.9	190		270		390		ND		0.11J		0.21JD		470		3.D		640	
Benzo[a]pyrene	0.66	210		290		0.46		ND		120		0.23JD		560		2.6D		740	
Benzo[b]fluoranthene	0.9	0.1J		170		320		ND		0.066J		0.18JD		450		1.5D		610	
Benzo[g,h,I]perylene	NLE	0.095J		190		250		ND		0.078J		0.13JD		290		1.3D		340	
Benzo[k]fluoranthene	0.9	200		280		290		ND		140		0.21JD		380		2.8D		650	
bis(2-Ethylhexyl)phthalate	49	0.17B		0.2B		0.088JB		ND		0.13JB		0.14JBD		0.088JB		0.14JBD		0.15JB	
Butylbenzylphthalate	1100	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	9	280		500		800		ND		180		0.34D		1100		4.3D		1100	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND		0.56D		ND	
Diethylphthalate	10,000	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Di-n-butylphthalate	5700	4.3B		6.5B		2.3B		7.3BD		3.4B		11.BD		3.B		1.9BD		0.5JB	
Fluoranthene	2300	420		460		730		ND		210		0.32D		990		6.4D		1600	
Fluorene	2300	ND		ND		0.072J		ND		ND		ND		0.096J		1.8D		0.098J	
Indeno[1,2,3-cd]pyrene	0.9	120		190		0.25		ND		ND		0.13JD		310		1.2D		370	
Naphthalene	230	ND		ND		ND		ND		ND		ND		0.14J		1.2D		0.11J	
n-Nitrosodiphenylamine	140	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	200		460		650		ND		140		0.19JD		850		9.D		1100	
Pyrene	1700	300		500		750		ND		170		0.29D		1000		5.9D		1100	
Pesticides/PCBs (mg/kg)																			
4,4'-DDD	3	0.004		0.09		0.115		0.008		0.055		0.088		0.311		0.736		0.364	
4,4'-DDE	2	0.009		0.069		0.074		0.014		0.028		0.07		0.075		0.541		0.307	
4,4'-DDT	2	0.035		0.223		0.202		0.081		0.084		0.306		0.113		0.5		0.271	
alpha-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dieldrin	0.042	ND		ND		ND		ND		ND		ND		ND		ND		ND	
gamma-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)																			
Aluminum	NLE	5642		6919		12820		9691		5612		6598		8075		5616		12110	
Antimony	14	0.71		1.051		2.367		1.731		1.483		1.046		1.001		1.034		3.401	
Arsenic	20	5.558		10.87		12.76		10.61		11.11		9.919		17.43		6.688		38.02	
Barium	700	26.94		35.36		49.88		60.55		85.09		44.48		74.22		289.3		60.36	
Beryllium	2	0.535		0.461		1.18		0.555		0.664		0.4763		0.5101		0.6405		1.304	
Cadmium	39	1.307		ND		ND		ND		ND		ND		ND		ND		ND	
Calcium	NLE	172.2		251.3		320.3		383.6		488.9		338.2		223.3		453		594.4	
Chromium	NLE	39.64		64.16		135.6		80.22		75.81		61.98		83.75		42.5		133.9	
Cobalt	NLE	1.599		1.463		1.435		1.243		1.208		1.372		1.415		1.515		1.896	
Copper	600	6.895		40.21		18.34		45.3		50.19		46.45		45.52		197.1		141.7	
Iron	NLE	14940		18570		37620		45290		23110		19700		27560		13090		41770	
Lead	400	52.03		53.54		65.37		33.97		32.95		67.67		77.75		84.35		123.5	
Magnesium	NLE	1257		1477		4207		2117		2073		1905		1914		1314		3514	
Manganese	NLE	51.87		17.21		21.31		25.55		16.93		22.75		22.02		35.4		32.09	
Mercury	14	29.909		0.39		0.21		0.051		0.05		0.118		0.234		0.012		1.461	
Nickel	250	4.266		5.328		6.129		5.36		4.669		5.057		5.464		4.738		8.985	
Potassium	NLE	3509		3656		8666		5885		6901		5405		5755		4024		7195	
Selenium	63	ND		0.885		ND		0.429		1.159		0.709		1.033		0.394		1.374	
Silver	110	ND		1.571		1.699		ND		ND		ND		0.581		1.013		1.493	
Sodium	NLE	24.61		207.6		91.26		574.1		411.4		376.3		646.7		229.5		139	
Thallium	2	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	22.45		32.82		65.1		58.32		29.18		31.03		40.81		30.22		54.67	
Zinc	1500	48.29		29.07		51.51		42.63		24.21		36.88		36.02		49.93		112.4	

NOTE: ND = Not Detected;
Shaded = Exceeds NJDEP Cleanup Criteria;
B = Detected in Blank; J = Estimated Result;
D = Diluted Sample; NLE = No Limit Established;
J = Compound Identified Below Detection Limit
Cleanup Criteria = Residential Direct Contact Soil
Cleanup Criteria (RDCSCC) per N.J.A.C. 7:9-6;
mg/kg = milligrams per kilogram;
Results reported in ug/kg presented in mg/kg.

Table 4-1
Soil Sampling Results (March 1998 to September 1999)
M-12 Landfill
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	3424.02	3424.03	3424.04	3424.05	3424.06	3424.07	3424.08	3424.09	3424.10	3424.11	3424.12	3424.13	3424.14	3424.15	3424.16	3424.17	3424.18	3424.19
Field Sample Location	Cleanup Criteria	B10 (6-12")	B10 (24")	B11 (5-11")	B11 (24")	B12 (6-12")	B12 (24")	B13 (6-12")	B13 (24")	B14 (3-9")	B14 (24")	B15 (2-8")	B15 (24")	B16 (2-8")	B16 (24")	B17 (6-12")	B17 (24")	B18 (3-9")	B18 (24")
Sample Date	(mg/kg)	3/20/1998	3/20/1998	3/20/1998	3/20/1998	3/20/1998	3/20/1998	3/20/1998	3/20/1998	3/20/1998	3/20/1998	3/20/1998	3/20/1998	3/20/1998	3/20/1998	3/20/1998	3/20/1998	3/20/1998	3/20/1998
Volatiles (mg/kg)																			
Acetone	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Benzene	3		ND		ND		ND		ND		ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	79		ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
m+p-Xylenes	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND		ND		ND
o-Xylene	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Vinyl Chloride	2		ND		ND		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)																			
2-Methylnaphthalene	NLE	ND		210		ND		ND		ND		0.060J		ND		ND		ND	
Acenaphthene	3400	ND		ND		0.073J		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		ND		ND		0.018J		ND		ND		ND	
Anthracene	10,000	ND		ND		0.11J		ND		ND		0.017J		ND		ND		ND	
Benzo[a]anthracene	0.9	130		ND		220		ND		ND		0.063J		ND		ND		ND	
Benzo[a]pyrene	0.66	230		ND		250		ND		ND		0.072J		ND		ND		ND	
Benzo[b]fluoranthene	0.9	160		ND		190		ND		ND		160		ND		ND		ND	
Benzo[g,h,I]perylene	NLE	180		ND		ND		ND		ND		ND		ND		ND		ND	
Benzo[k]fluoranthene	0.9	300		ND		190		ND		0.065J		180		ND		0.062J		ND	
bis(2-Ethylhexyl)phthalate	49	0.098JB		0.067JB		0.090JB		0.085JB		0.073JB		0.23B		0.26B		0.35B		0.22B	
Butylbenzylphthalate	1100	ND		ND		ND		ND		ND		ND		ND		0.065J		ND	
Chrysene	9	260		0.095J		380		ND		0.096J		160		ND		0.074J		0.069J	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		0.021J		ND		ND		ND	
Diethylphthalate	10,000	ND		ND		ND		ND		ND		0.018J		ND		ND		ND	
Di-n-butylphthalate	5700	0.17JB		0.34JB		0.39JB		0.37JB		0.32JB		0.61B		0.45JB		0.51JB		0.56B	
Fluoranthene	2300	160		0.096J		700		ND		110		140		0.084J		ND		ND	
Fluorene	2300	ND		ND		0.058J		ND		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	160		ND		ND		ND		ND		ND		ND		ND		ND	
Naphthalene	230	ND		280		ND		ND		ND		0.051J		ND		ND		ND	
n-Nitrosodiphenylamine	140	ND		ND		ND		ND		ND		0.056J		ND		ND		ND	
Phenanthrene	NLE	150		120		540		ND		0.057J		120		ND		ND		ND	
Pyrene	1700	160		0.079J		430		ND		0.080J		140		0.073J		ND		0.085J	
Pesticides/PCBs (mg/kg)																			
4,4'-DDD	3	0.255		0.028		0.052		0.397		0.024		0.139		0.012		0.003		0.044	
4,4'-DDE	2	0.265		0.042		0.065		0.35		0.044		0.559		0.039		0.002		0.033	
4,4'-DDT	2	0.203		0.078		0.154		0.504		0.067		0.481		0.035		0.006		0.011	
alpha-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dieldrin	0.042	ND		ND		ND		ND		ND		ND		ND		ND		ND	
gamma-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)																			
Aluminum	NLE	4508		10700		5997		7942		2469		2620		4328		5798		1336	
Antimony	14	0.58		2.641		1.738		2.273		0.467		0.345		1.02		1.526		0.319	
Arsenic	20	7.287		12.19		7.383		13.66		1.655		2.987		3.42		7.245		1.479	
Barium	700	54.95		42.85		50.36		65.44		10.62		28.31		72.64		138.7		59.2	
Beryllium	2	0.7108		1.462		0.7754		0.9925		0.2271		0.2784		0.8532		0.512		0.1552	
Cadmium	39	ND		ND		ND		ND		0.0659		ND		0.6784		0.1049		0.1673	
Calcium	NLE	376.9		333.2		205.5		360		81.68		650.6		2110		3422		1379	
Chromium	NLE	37.92		168.8		90.86		124.6		24.03		7.636		31.38		7.333		2.01	
Cobalt	NLE	5.776		0.7841		0.5523		0.8438		0.3294		1.586		3.902		2.603		1.813	
Copper	600	112		12.21		13.34		6.003		4.121		81.92		31.96		22.16		12.58	
Iron	NLE	13640		31460		16200		21030		4887		4008		6384		13410		1710	
Lead	400	95.11		11.72		16.93		3.55		4.462		21.63		75.93		83.68		4.709	
Magnesium	NLE	745.9		4609		2133		2946		456.8		286.1		326.9		311.6		165.3	
Manganese	NLE	24.13		10.6		9.861		7.919		5.807		13.92		29.19		36.44		10.51	
Mercury	14	0.501		0.061		0.085		0.015		0.021		0.045		0.258		0.021		0.017	
Nickel	250	13.03		4.273		2.672		3.231		1.82		4.973		11.59		10.22		5.396	
Potassium	NLE	1989		10140		4544		6153		1171		530.5		595		464.3		176.6	
Selenium	63	0.589		0.505		ND		ND		ND		0.383		0.528		0.453		0.521	
Silver	110	0.548		ND		ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE	196.5		124.1		71.27		72.53		30.94		136.2		228.9		249.3		170.6	
Thallium	2	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	21.2		48		16.35		13.61		12.98		12.17		14.33		16.03		7.215	
Zinc	1500	416.3		48.45		34.98		54.28		12.55		15.35		55.18		70.97		59.54	

NOTE: ND = Not Detected;
Shaded = Exceeds NJDEP Cleanup Criteria;
B = Detected in Blank; J = Estimated Result;
D = Diluted Sample; NLE = No Limit Established;
J = Compound Identified Below Detection Limit
Cleanup Criteria = Residential Direct Contact Soil Cleanup Criteria (RDCSCC) per N.J.A.C. 7:9-6;
mg/kg = milligrams per kilogram;
Results reported in ug/kg presented in mg/kg.

Table 4-1
Soil Sampling Results (March 1998 to September 1999)
M-12 Landfill
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	3424.20	3424.21	3425.02	3425.03	3425.04	3425.05	3425.06	3425.07	3425.08	3425.09	3425.10	3425.11	3425.12	3425.13	3425.14	3425.15	3425.16	3425.17
Field Sample Location	Cleanup Criteria	B19 (2-8")	B19 (24")	B20 (6-12")	B20 (24")	B21 (3-9")	B21 (24")	B22 (3-9")	B22 (24")	B23 (3-9")	B23 (24")	B24 (3-9")	B24 (24")	B25 (6-12")	B25 (24")	B26 (2-8")	B26 (24")	B27 (4-10")	B27 (24")
Sample Date	(mg/kg)	3/20/1998	3/20/1998	3/23/1998	3/23/1998	3/23/1998	3/23/1998	3/23/1998	3/23/1998	3/23/1998	3/23/1998	3/23/1998	3/23/1998	3/23/1998	3/23/1998	3/23/1998	3/23/1998	3/23/1998	3/23/1998
Volatiles (mg/kg)																			
Acetone	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Benzene	3		ND		ND		ND		ND		ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	79		ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
m+p-Xylenes	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND		ND		ND
o-Xylene	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Vinyl Chloride	2		ND		ND		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)																			
2-Methylnaphthalene	NLE	ND		ND		ND		ND		ND		ND		0.097J		ND		ND	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		ND		ND		ND		480		ND		ND	
Anthracene	10,000	ND		ND		ND		ND		120		ND		540		ND		ND	
Benzo[a]anthracene	0.9	ND		ND		ND		0.088J		540		0.065J		1900		ND		ND	
Benzo[a]pyrene	0.66	ND		ND		0.79J		0.080J		550		0.060J		1900		ND		ND	
Benzo[b]fluoranthene	0.9	ND		ND		ND		0.060J		490		0.068J		1100		ND		ND	
Benzo[g,h,I]perylene	NLE	ND		ND		ND		0.063J		340		ND		1000		ND		ND	
Benzo[k]fluoranthene	0.9	ND		0.057J		ND		0.1J		420		0.081J		1900		ND		ND	
bis(2-Ethylhexyl)phthalate	49	0.31B		0.39B		0.77JB		0.11JB		0.19B		0.2B		0.055JB		0.089JB		0.093JB	
Butylbenzylphthalate	1100	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	9	ND		0.068J		0.74J		160		950		0.15J		3200		0.099J		0.066J	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		ND		ND		620		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10,000	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Di-n-butylphthalate	5700	0.33JB		0.34JB		1.1JB		0.3JB		0.14JB		0.13JB		0.099JB		0.12JB		0.14JB	
Fluoranthene	2300	ND		0.072J		ND		170		1200		120		3700		0.067J		0.064J	
Fluorene	2300	ND		ND		ND		ND		0.068J		ND		250		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	ND		ND		ND		ND		330		ND		890		ND		ND	
Naphthalene	230	ND		ND		ND		ND		ND		ND		0.082J		ND		ND	
n-Nitrosodiphenylamine	140	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	ND		ND		ND		120		850		0.080J		2100		0.070J		ND	
Pyrene	1700	0.064J		0.080J		0.75J		200		1200		150		3800		0.096J		0.068J	
Pesticides/PCBs (mg/kg)																			
4,4'-DDD	3	0.015		0.072		0.207		0.158		0.113		0.063		0.037		0.066		0.113	
4,4'-DDE	2	0.048		0.098		0.232		0.317		0.109		0.066		0.041		0.171		0.044	
4,4'-DDT	2	0.036		0.194		0.116		0.326		0.304		0.045		0.043		0.309		0.057	
alpha-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dieldrin	0.042	ND		ND		ND		ND		ND		ND		ND		ND		ND	
gamma-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)																			
Aluminum	NLE	3624		4607		3855		5241		8348		3407		4485		2628		8444	
Antimony	14	1.34		0.947		1.281		0.458		0.653		0.458		0.787		0.371		2.104	
Arsenic	20	6.735		5.143		4.345		4.688		5.923		2.446		6.348		1.722		21.54	
Barium	700	71.49		13.94		29.9		15.92		42.62		18.26		31.35		7.015		14.1	
Beryllium	2	1.148		0.492		0.3599		0.4215		0.8002		0.2194		0.3329		0.1691		0.9307	
Cadmium	39	0.7389		ND		0.9103		1.677		0.549		0.2835		1.219		ND		ND	
Calcium	NLE	1033		494.4		320.3		3112		556		445.1		530.7		273.4		1138	
Chromium	NLE	32.18		60.39		59.63		12.92		41.83		19.37		31.53		17.93		125.1	
Cobalt	NLE	6.331		0.368		1.067		2.251		4.349		0.5124		0.9139		0.6978		0.7505	
Copper	600	182		7.432		502.4		35.26		80.43		7.057		13.97		5.848		21.01	
Iron	NLE	11100		11940		12300		6758		11120		4743		8822		4258		20310	
Lead	400	149.2		9.944		404.4		22.43		149		13.96		33.86		6.379		18.9	
Magnesium	NLE	832.9		1600		654		322.6		1102		555.1		689.6		440.2		2896	
Manganese	NLE	37.97		5.166		36.35		126.3		64.37		14.35		9.481		10.97		20.8	
Mercury	14	0.138		0.058		0.493		0.683		0.092		0.031		0.16		0.02		0.013	
Nickel	250	17.57		2.437		11.76		5.666		16.19		2.344		4.075		1.512		3.944	
Potassium	NLE	1968		2931		1611		621.1		3165		1315		1472		711.2		5945	
Selenium	63	0.818		ND		ND		ND		0.952		ND		0.341		ND		ND	
Silver	110	ND		ND		1.18		ND		ND		ND		ND		ND		ND	
Sodium	NLE	141		36.77		54.23		110.2		25.22		61.06		50.03		24.8		86.46	
Thallium	2	ND		0.502		ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	18.92		22.07		16.46		11.38		29.96		13.33		22.48		11.77		16.77	
Zinc	1500	619.7		35.67		753.8		910.2		195.6		38.34		120.4		26.73		45.95	

NOTE: ND = Not Detected;
Shaded = Exceeds NJDEP Cleanup Criteria;
B = Detected in Blank; J = Estimated Result;
D = Diluted Sample; NLE = No Limit Established;
J = Compound Identified Below Detection Limit
Cleanup Criteria = Residential Direct Contact Soil
Cleanup Criteria (RDCSCC) per N.J.A.C. 7:9-6;
mg/kg = milligrams per kilogram;
Results reported in ug/kg presented in mg/kg.

Table 4-1
Soil Sampling Results (March 1998 to September 1999)
M-12 Landfill
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	3425.18	3425.19	3425.20	3425.21	3425.22	3425.23	3428.02	3428.03	3428.04	3428.05	3428.06	3428.07	3428.08	3428.09	3428.10	3428.11	3428.12	3428.13
Field Sample Location	Cleanup Criteria	B28 (4-10")	B28 (24")	B29 (6-12")	B29 (24")	B30 (2-8")	B30 (24")	B31 (2-8")	B31 (24")	B32 (3-9")	B32 (24")	B33 (3-9")	B33 (24")	B34 (4-10")	B34 (24")	B35 (3-9")	B35 (24")	B36 (3-9")	B36 (24")
Sample Date	(mg/kg)	3/23/1998	3/23/1998	3/23/1998	3/23/1998	3/23/1998	3/23/1998	3/24/1998	3/24/1998	3/24/1998	3/24/1998	3/24/1998	3/24/1998	3/24/1998	3/24/1998	3/24/1998	3/24/1998	3/24/1998	3/24/1998
Volatiles (mg/kg)																			
Acetone	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Benzene	3		ND		ND		ND		ND		ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	79		ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
m+p-Xylenes	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND		ND		ND
o-Xylene	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Vinyl Chloride	2		ND		ND		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)																			
2-Methylnaphthalene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		ND		320		280		ND		ND		ND	
Anthracene	10,000	ND		ND		ND		ND		0.17J		0.16J		0.19J		ND		ND	
Benzo[a]anthracene	0.9	ND		ND		0.097J		ND		690		700		450		0.2J		ND	
Benzo[a]pyrene	0.66	ND		ND		0.11J		ND		830		840		510		250		ND	
Benzo[b]fluoranthene	0.9	ND		ND		0.091J		ND		470		380		340		0.15J		ND	
Benzo[g,h,I]perylene	NLE	ND		ND		0.085J		ND		550		600		350		ND		ND	
Benzo[k]fluoranthene	0.9	ND		ND		160		0.18J		580		750		590		250		ND	
bis(2-Ethylhexyl)phthalate	49	0.11JB		0.15JB		0.11JB		0.26JB		0.63B		0.36B		0.3JB		0.51B		0.26JB	
Butylbenzylphthalate	1100	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	9	ND		ND		330		0.23J		1300		1400		910		450		ND	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10,000	ND		ND		ND		ND		0.12J		ND		ND		ND		ND	
Di-n-butylphthalate	5700	0.13JB		0.14JB		1.6B		1.4B		4.3B		0.79JB		1.2B		1.6B		0.59JB	
Fluoranthene	2300	ND		ND		210		0.17J		720		800		1100		320		ND	
Fluorene	2300	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	ND		ND		0.075J		ND		390		470		320		0.16J		ND	
Naphthalene	230	ND		ND		ND		ND		ND		ND		ND		ND		ND	
n-Nitrosodiphenylamine	140	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	ND		ND		150		0.12J		700		580		800		0.17J		ND	
Pyrene	1700	ND		ND		240		0.22J		1300		1500		1100		440		ND	
Pesticides/PCBs (mg/kg)																			
4,4'-DDD	3	ND		ND		0.051		0.039		0.019		0.03		0.026		0.076		0.005	
4,4'-DDE	2	ND		ND		0.273		0.136		0.107		0.141		0.066		0.166		0.059	
4,4'-DDT	2	ND		ND		0.231		0.208		0.188		0.146		0.122		0.299		0.063	
alpha-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dieldrin	0.042	ND		ND		ND		ND		ND		ND		ND		ND		ND	
gamma-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)																			
Aluminum	NLE	8185		7810		5413		4364		5564		11890		8151		6575		1855	
Antimony	14	1.951		1.98		1.448		1.06		0.687		2.65		2.078		1.272		0.426	
Arsenic	20	19.35		24.33		14.68		11.32		8.863		14.73		11.1		11.02		1.315	
Barium	700	13.03		9.416		70.55		61.24		46.39		45.66		48.79		40.17		5.639	
Beryllium	2	0.9068		0.9298		0.6609		0.5325		0.5311		1.329		0.8959		0.7196		0.127	
Cadmium	39	ND		ND		0.1488		0.1458		0.2347		0.1126		0.1174		0.3434		ND	
Calcium	NLE	2421		832.5		1231		1396		1394		1671		2981		960.9		996.7	
Chromium	NLE	131.8		123.9		67.89		54.13		43.96		142.8		127.6		72.95		23.75	
Cobalt	NLE	0.6415		0.8132		1.317		1.087		1.799		1.703		1.563		1.172		0.2485	
Copper	600	5.498		5.66		47.89		20.64		35.33		25.16		89.97		23.25		24.37	
Iron	NLE	21280		18960		16300		13620		12970		31800		20940		18550		3564	
Lead	400	4.03		4.268		56.31		32.83		45.47		45.28		37.17		33.38		3.324	
Magnesium	NLE	3065		3019		1883		1631		1474		4675		2802		2070		314.8	
Manganese	NLE	17.65		14.72		46.26		37.65		64.16		55.22		34.04		25.04		5.719	
Mercury	14	0.013		ND		0.108		0.076		0.073		0.102		0.077		0.082		0.031	
Nickel	250	3.926		3.968		4.6		3.909		7.046		7.272		5.997		5.129		1.095	
Potassium	NLE	6312		6000		5250		4738		3611		9811		5084		6139		424.6	
Selenium	63	ND		ND		ND		0.45		0.683		ND		ND		0.49		ND	
Silver	110	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE	65.74		65.74		135		81.76		174		158.7		147.4		153.7		88.89	
Thallium	2	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	19.77		16.38		18.24		16.48		21.78		47.65		33.17		24.74		11.45	
Zinc	1500	27.66		28.3		65.28		54.9		57.21		79.91		59.09		58.7		9.468	

NOTE: ND = Not Detected;
Shaded = Exceeds NJDEP Cleanup Criteria;
B = Detected in Blank; J = Estimated Result;
D = Diluted Sample; NLE = No Limit Established;
J = Compound Identified Below Detection Limit
Cleanup Criteria = Residential Direct Contact Soil Cleanup Criteria (RDCSCC) per N.J.A.C. 7:9-6;
mg/kg = milligrams per kilogram;
Results reported in ug/kg presented in mg/kg.

Table 4-1
Soil Sampling Results (March 1998 to September 1999)
M-12 Landfill
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP Cleanup Criteria	3428.14	3428.15	3428.16	3428.17	3428.18	3428.19	3428.20	3428.21	3428.22	3428.23	3432.02	3432.03	3432.04	3432.05	3432.06	3432.07	3432.08	3432.09
Field Sample Location		B37 (3-9")	B37 (24")	B38 (3-9")	B38 (24")	B39 (3-9")	B39 (24")	B40 (6-12")	B40 (24")	B41 (6-12")	B41 (24")	B42 (6-12")	B42 (24")	B43 (6-12")	B43 (24")	B44 (2-8")	B44 (24")	B45 (3-9")	B45 (24")
Sample Date	(mg/kg)	3/24/1998	3/24/1998	3/24/1998	3/24/1998	3/24/1998	3/24/1998	3/24/1998	3/24/1998	3/24/1998	3/24/1998	3/25/1998	3/25/1998	3/25/1998	3/25/1998	3/25/1998	3/25/1998	3/25/1998	3/25/1998
Volatiles (mg/kg)																			
Acetone	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Benzene	3		ND		ND		ND		ND		ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	79		ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
m+p-Xylenes	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND		ND		ND
o-Xylene	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Vinyl Chloride	2		ND		ND		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)																			
2-Methylnaphthalene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Anthracene	10,000	ND		ND		ND		ND		ND		0.12J		ND		ND		ND	
Benzo[a]anthracene	0.9	ND		ND		ND		220		0.13J		690		330		240		ND	
Benzo[a]pyrene	0.66	ND		ND		ND		300		0.13J		1000		350		300		ND	
Benzo[b]fluoranthene	0.9	ND		ND		ND		0.21J		0.11J		840		470		0.16J		ND	
Benzo[g,h,I]perylene	NLE	ND		ND		ND		ND		ND		550		ND		ND		ND	
Benzo[k]fluoranthene	0.9	ND		0.17J		ND		330		210		990		670		350		0.16J	
bis(2-Ethylhexyl)phthalate	49	0.32JB		0.41B		0.66B		0.34B		0.35B		0.26JB		0.42B		0.14JB		0.17JB	
Butylbenzylphthalate	1100	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	9	ND		0.23J		0.11J		530		380		1800		820		530		ND	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		ND		390		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10,000	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Di-n-butylphthalate	5700	0.72JB		2.2B		0.66JB		1.5B		0.67JB		0.56JB		1.4B		1.2B		1.2B	
Fluoranthene	2300	ND		0.16J		ND		390		230		1600		290		580		0.18J	
Fluorene	2300	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	ND		ND		ND		0.19J		ND		560		ND		0.19J		ND	
Naphthalene	230	ND		ND		ND		ND		ND		ND		ND		ND		ND	
n-Nitrosodiphenylamine	140	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	ND		0.13J		ND		220		220		720		ND		320		0.2J	
Pyrene	1700	ND		0.18J		ND		470		300		1500		290		530		0.26J	
Pesticides/PCBs (mg/kg)																			
4,4'-DDD	3	ND		0.069		0.009		0.142		0.133		0.05		0.059		0.022		0.041	
4,4'-DDE	2	0.014		0.164		0.044		0.211		0.456		0.111		0.098		0.186		0.275	
4,4'-DDT	2	0.008		0.25		0.117		0.112		0.176		0.176		0.312		0.225		0.467	
alpha-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dieldrin	0.042	ND		ND		ND		ND		ND		ND		ND		ND		ND	
gamma-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)																			
Aluminum	NLE	3235		3410		3162		5132		6090		5180		10420		8551		1757	
Antimony	14	0.474		0.801		1.016		1.075		1.38		0.69		2.23		0.696		5.67	
Arsenic	20	3.544		12.05		9.484		11.61		9.922		11.23		16.21		10		4.379	
Barium	700	45.59		128.7		17.24		71.02		84.03		49.63		54.09		49.56		28.44	
Beryllium	2	0.8634		0.4662		0.3693		0.6631		0.6972		1.5599		1.267		0.5654		0.18	
Cadmium	39	0.5593		0.2638		0.4148		0.1471		0.8425		0.1605		ND		0.2881		0.1212	
Calcium	NLE	1143		1109		931.5		1317		1478		1111		1687		1054		475.2	
Chromium	NLE	5.249		29.69		27.07		63.37		56.51		46.02		134		37.94		10.56	
Cobalt	NLE	4.283		2.585		3.301		1.679		1.863		1.767		1.629		2.152		0.9717	
Copper	600	26.39		44.16		37.37		23.91		58.75		61.41		25.73		39.89		9.757	
Iron	NLE	1569		13290		16380		15810		16560		16950		29340		14440		3999	
Lead	400	18.56		129.4		40.67		35.42		82.95		49.1		37.93		54.89		28.98	
Magnesium	NLE	96.27		820.2		460.3		1663		1584		1388		4127		1113		286.6	
Manganese	NLE	38.8		66.82		46.57		34.75		50.74		49.29		41.07		60.75		17.01	
Mercury	14	0.084		0.212		0.054		0.1		0.136		0.113		0.078		0.095		0.113	
Nickel	250	11.74		6.638		10.18		5.603		10.42		6.326		6.554		6.718		4.667	
Potassium	NLE	265.2		2133		997.4		5385		4839		3470		9093		2890		307.1	
Selenium	63	ND		1.126		1.046		1.198		ND		ND		ND		0.334		ND	
Silver	110	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE	115.3		130.1		50.75		319.1		105.6		61.41		162.2		94.87		52.82	
Thallium	2	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	10.93		13.96		19.15		16.68		25.89		19.26		43.12		16.99		8.171	
Zinc	1500	181.7		84.81		157.7		58.14		129.7		68.39		78.77		87.89		35.31	

NOTE: ND = Not Detected;
Shaded = Exceeds NJDEP Cleanup Criteria;
B = Detected in Blank; J = Estimated Result;
D = Diluted Sample; NLE = No Limit Established;
J = Compound Identified Below Detection Limit
Cleanup Criteria = Residential Direct Contact Soil Cleanup Criteria (RDCSCC) per N.J.A.C. 7:9-6;
mg/kg = milligrams per kilogram;
Results reported in ug/kg presented in mg/kg.

Table 4-1
Soil Sampling Results (March 1998 to September 1999)
M-12 Landfill
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP Cleanup Criteria	3432.10	3432.11	3432.12	3432.13	3432.14	3432.15	3432.16	3432.17	3432.18	3432.19	3432.20	3432.21	4748.02	4748.03	4748.04	4748.05	4748.06	4748.07
Field Sample Location		B46 (6-12")	B46 (24")	B47 (5-11")	B47 (24")	B48 (6-12")	B48 (24")	B49 (3-9")	B49 (24")	B50 (4-10")	B50 (24")	B51 (3-9")	B51 (24")	B52 (6-12")	B52 (24")	B53 (4-10")	B53 (24")	B54 (2-8")	B54 (24")
Sample Date	(mg/kg)	3/25/1998	3/25/1998	3/25/1998	3/25/1998	3/25/1998	3/25/1998	3/25/1998	3/25/1998	3/25/1998	3/25/1998	3/25/1998	3/25/1998	8/26/1999	8/26/1999	8/26/1999	8/26/1999	8/26/1999	8/26/1999
Volatiles (mg/kg)																			
Acetone	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Benzene	3		ND		ND		ND		ND		ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	79		ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
m+p-Xylenes	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND		ND		ND
o-Xylene	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Vinyl Chloride	2		ND		ND		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)																			
2-Methylnaphthalene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Anthracene	10,000	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Benzo[a]anthracene	0.9	ND		ND		ND		ND		ND		ND		0.12J		ND		0.39J	
Benzo[a]pyrene	0.66	ND		ND		ND		ND		ND		ND		ND		ND		0.32J	
Benzo[b]fluoranthene	0.9	ND		0.12J		ND		ND		ND		ND		ND		ND		0.5J	
Benzo[g,h,I]perylene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		0.22J	
Benzo[k]fluoranthene	0.9	ND		0.14J		ND		ND		ND		ND		ND		ND		0.38J	
bis(2-Ethylhexyl)phthalate	49	0.22JB		0.15JB		0.17JB		ND		0.19JB		0.44B		0.21JB		0.19JB		0.22JB	
Butylbenzylphthalate	1100	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	9	ND		ND		0.15J		ND		0.18J		0.12J		0.13J		ND		0.59J	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10,000	ND		ND		0.14J		ND		ND		ND		ND		ND		ND	
Di-n-butylphthalate	5700	1.1B		2.1B		2.0B		0.4JB		0.96JB		0.36JB		0.49JB		1.1JB		1.1JB	
Fluoranthene	2300	ND		0.21J		0.14J		ND		0.16J		ND		0.28J		0.12J		0.92J	
Fluorene	2300	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	ND		ND		ND		ND		ND		ND		ND		ND		0.22J	
Naphthalene	230	ND		ND		ND		ND		ND		ND		ND		ND		ND	
n-Nitrosodiphenylamine	140	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	ND		0.17J		ND		ND		ND		ND		0.15J		ND		0.33J	
Pyrene	1700	ND		0.23J		0.14J		ND		0.16J		ND		0.23J		ND		0.79J	
Pesticides/PCBs (mg/kg)																			
4,4'-DDD	3	0.035		0.033		0.035		0.073		0.089		0.008		ND		0.05		0.781	
4,4'-DDE	2	0.09		0.128		0.086		0.14		0.234		0.044		0.005		0.037		0.264	
4,4'-DDT	2	0.18		0.138		0.27		0.461		0.485		0.055		0.011		0.112		0.28	
alpha-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dieldrin	0.042	ND		ND		ND		ND		ND		ND		ND		ND		ND	
gamma-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)																			
Aluminum	NLE	4696		3458		8286		3854		5679		6382		20800		15300		19000	
Antimony	14	0.979		0.451		0.969		0.565		0.618		0.707		ND		ND		1.12	
Arsenic	20	8.333		4.976		8.409		8.337		7.217		9.589		27.2		19.1		46.9	
Barium	700	82.1		34.5		26.35		35.95		21.4		29.13		26.9		35.2		27.6	
Beryllium	2	0.6231		0.3267		0.7705		0.4051		0.5608		0.6929		2.65		2.14		2.35	
Cadmium	39	0.1333		0.2149		ND		0.0833		ND		ND		2.43		1.96		2.7	
Calcium	NLE	810.8		529.5		753.4		1062		640.5		1341		1130		2270		1020	
Chromium	NLE	43.98		18.74		61.33		37.89		35.65		48.86		333		237		293	
Cobalt	NLE	2.176		1.182		1.755		0.9757		2.081		1.857		1.17		1.08		1.2	
Copper	600	41.31		19.19		12.98		8.154		10.21		30.46		23.3		20.5		24.2	
Iron	NLE	12530		7228		18920		11470		14250		17640		68500		53200		67000	
Lead	400	28.24		56.02		36.42		18.73		27.98		28.4		38.8		16		61.5	
Magnesium	NLE	1346		619.9		2045		1166		1031		1523		10800		7670		9040	
Manganese	NLE	27.42		26.87		37.7		21.86		49.01		45.29		35.1		28.6		28	
Mercury	14	0.102		0.14		0.166		0.087		0.057		0.102		0.077		0.132		0.051	
Nickel	250	6.517		3.272		5.857		3.606		4.805		5.213		7.81		7.18		9.4	
Potassium	NLE	3777		1120		6228		3119		2451		4066		24100		18400		21100	
Selenium	63	0.777		ND		ND		ND		ND		ND		1.42		1.74		2.23	
Silver	110	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE	123.6		67.61		124.6		43.61		32.32		37.33		165		325		154	
Thallium	2	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	18.76		11.81		33.25		12.98		21.22		23.79		125		83.5		120	
Zinc	1500	40.08		44.42		50.77		42.09		45.21		69.75		87.7		82.3		114	

NOTE: ND = Not Detected;
Shaded = Exceeds NJDEP Cleanup Criteria;
B = Detected in Blank; J = Estimated Result;
D = Diluted Sample; NLE = No Limit Established;
J = Compound Identified Below Detection Limit
Cleanup Criteria = Residential Direct Contact Soil Cleanup Criteria (RDCSCC) per N.J.A.C. 7:9-6;
mg/kg = milligrams per kilogram;
Results reported in ug/kg presented in mg/kg.

Table 4-1
Soil Sampling Results (March 1998 to September 1999)
M-12 Landfill
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP Cleanup Criteria	4748.08	4748.09	4748.10	4748.11	4748.12	4748.13	4748.14	4748.15	4748.16	4748.17	4748.18	4748.19	4748.20	4748.21	4754.02	4754.03	4754.04	4754.05
Field Sample Location		B55 (6-12")	B55 (24")	B56 (6-12")	B56 (24")	B57 (6-12")	B57 (24")	B58 (4-11")	B58 (24")	B59 (3-9")	B59 (24")	B60 (6-12")	B60 (24")	B61 (4-10")	B61 (24")	B63 (5-11")	B63 (24")	B64 (6-12")	B64 (24")
Sample Date	(mg/kg)	8/26/1999	8/26/1999	8/26/1999	8/26/1999	8/26/1999	8/26/1999	8/26/1999	8/26/1999	8/26/1999	8/26/1999	8/26/1999	8/26/1999	8/26/1999	8/26/1999	8/27/1999	8/27/1999	8/27/1999	8/27/1999
Volatiles (mg/kg)																			
Acetone	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Benzene	3		ND		ND		ND		ND		ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	79		ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
m+p-Xylenes	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND		ND		ND
o-Xylene	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Vinyl Chloride	2		ND		ND		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)																			
2-Methylnaphthalene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Anthracene	10,000	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Benzo[a]anthracene	0.9	ND		0.2J		ND		ND		0.15J		ND		ND		0.15J		0.58J	
Benzo[a]pyrene	0.66	ND		0.25J		ND		ND		0.13J		ND		ND		0.13J		0.49J	
Benzo[b]fluoranthene	0.9	ND		0.35J		ND		ND		0.2J		ND		ND		0.13J		0.51J	
Benzo[g,h,I]perylene	NLE	ND		0.17J		ND		ND		ND		ND		ND		ND		0.24J	
Benzo[k]fluoranthene	0.9	ND		0.25J		ND		ND		0.15J		ND		ND		0.12J		0.39J	
bis(2-Ethylhexyl)phthalate	49	0.23JB		0.13JB		0.19JB		0.19JB		0.25JB		0.19JB		0.26JB		0.4JB		0.14JB	
Butylbenzylphthalate	1100	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	9	0.12J		0.3J		ND		ND		0.23J		ND		ND		0.16J		0.78J	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10,000	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Di-n-butylphthalate	5700	1.1JB		0.32JB		1.1JB		1.6B		0.51JB		0.8JB		1.8B		2.2B		0.97JB	
Fluoranthene	2300	0.18J		0.33J		ND		ND		0.26J		ND		ND		0.31J		0.72J	
Fluorene	2300	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	ND		0.15J		ND		ND		ND		ND		ND		ND		0.21J	
Naphthalene	230	ND		ND		ND		ND		ND		ND		ND		ND		ND	
n-Nitrosodiphenylamine	140	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	ND		0.14J		ND		ND		0.12J		ND		ND		ND		ND	
Pyrene	1700	0.16J		0.32J		ND		ND		0.24J		ND		ND		0.26J		1.J	
Pesticides/PCBs (mg/kg)																			
4,4'-DDD	3	0.026		0.714		ND		0.003		0.028		ND		0.001		0.024		ND	
4,4'-DDE	2	0.05		0.56		0.002		0.006		0.252		0.004		0.002		0.048		ND	
4,4'-DDT	2	0.046		0.097		0.004		0.023		0.499		0.003		ND		0.015		0.003	
alpha-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dieldrin	0.042	ND		ND		ND		ND		ND		ND		ND		ND		ND	
gamma-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)																			
Aluminum	NLE	11500		7960		11600		13500		8210		14000		4480		13600		18700	
Antimony	14	ND		3.53		ND		ND		ND		ND		ND		ND		ND	
Arsenic	20	19.5		7.64		20.5		22.6		12.7		5.53		4.05		12.6		51.3	
Barium	700	39.4		38.6		7.42		5.25		40.9		21.8		6.32		74		25.3	
Beryllium	2	0.753		0.623		1.55		1.76		0.513		0.379		0.33		1.95		2.14	
Cadmium	39	0.868		0.94		1.19		1.22		0.816		0.242		0.564		1.36		0.339	
Calcium	NLE	598		1200		260		931		364		190		88.7		5780		555	
Chromium	NLE	84.3		60.4		187		200		48.5		21.9		39.1		215		251	
Cobalt	NLE	1.53		2.23		0.641		0.493		3.32		2.5		1.27		2.03		1.3	
Copper	600	33.6		13.6		4.81		5.68		7.01		1.39		ND		15.9		24.4	
Iron	NLE	26000		20200		37500		37700		24100		14300		12400		48800		50900	
Lead	400	41.7		34.6		6.53		5.24		23.1		7.33		2.97		7.58		16.1	
Magnesium	NLE	2510		1330		4420		5510		703		855		785		6900		7490	
Manganese	NLE	26.4		24.5		21.4		15		55.3		38.6		28.6		52.5		37.6	
Mercury	14	0.151		0.226		ND		ND		0.117		0.023		0.021		ND		0.084	
Nickel	250	7.84		7.38		6.28		4.51		9.49		7.05		2.71		17.6		6.65	
Potassium	NLE	4420		2980		10200		12600		1480		618		1520		16200		16700	
Selenium	63	1.77		ND		2.46		1.33		1.9		ND		ND		1.53		0.886	
Silver	110	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE	187		97.1		76.3		180		83.2		94.3		56		279		228	
Thallium	2	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	55.1		55.2		72.5		81.6		65.5		29.2		36.3		71.6		118	
Zinc	1500	48.7		103		43.5		38.5		41.6		33.1		16.8		77.3		59.8	

NOTE: ND = Not Detected;
Shaded = Exceeds NJDEP Cleanup Criteria;
B = Detected in Blank; J = Estimated Result;
D = Diluted Sample; NLE = No Limit Established;
J = Compound Identified Below Detection Limit
Cleanup Criteria = Residential Direct Contact Soil Cleanup Criteria (RDCSCC) per N.J.A.C. 7:9-6;
mg/kg = milligrams per kilogram;
Results reported in ug/kg presented in mg/kg.

Table 4-1
Soil Sampling Results (March 1998 to September 1999)
M-12 Landfill
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	4754.06	4754.07	4754.08	4754.09	4754.10	4754.11	4754.12	4754.13	4754.14	4754.15	4754.16	4754.17	4754.18	4754.19	4754.20	4754.21	4754.22	4754.23
Field Sample Location	Cleanup Criteria	B65 (5-11")	B65 (24")	B66 (5-11")	B66 (24")	B67 (6-12")	B67 (24")	B68 (5-11")	B68 (24")	B69 (5-11")	B69 (24")	B70 (0-6")	B70 (24")	B71 (5-11")	B71 (24")	B72 (7-13")	B72 (24")	B73 (6-12")	B73 (24")
Sample Date	(mg/kg)	8/27/1999	8/27/1999	8/27/1999	8/27/1999	8/27/1999	8/27/1999	8/27/1999	8/27/1999	8/27/1999	8/27/1999	8/27/1999	8/27/1999	8/27/1999	8/27/1999	8/27/1999	8/27/1999	8/27/1999	8/27/1999
Volatiles (mg/kg)																			
Acetone	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Benzene	3		ND		ND		ND		ND		ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	79		ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
m+p-Xylenes	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND		ND		ND
o-Xylene	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Vinyl Chloride	2		ND		ND		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)																			
2-Methylnaphthalene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Anthracene	10,000	ND		ND		ND		ND		ND		ND		0.52J		ND		ND	
Benzo[a]anthracene	0.9	ND		ND		ND		ND		ND		ND		1400		ND		ND	
Benzo[a]pyrene	0.66	ND		ND		ND		ND		ND		ND		1300		ND		ND	
Benzo[b]fluoranthene	0.9	ND		ND		ND		ND		ND		ND		1200		ND		ND	
Benzo[g,h,I]perylene	NLE	ND		ND		ND		ND		ND		ND		0.61J		ND		ND	
Benzo[k]fluoranthene	0.9	ND		ND		ND		ND		ND		ND		1100		ND		ND	
bis(2-Ethylhexyl)phthalate	49	0.24JB		0.12JB		0.15JB		0.2JB		0.12JB		0.19JB		0.29JB		0.16JB		0.11JB	
Butylbenzylphthalate	1100	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	9	ND		ND		ND		0.12J		ND		ND		1400		ND		ND	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		ND		ND		0.18J		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10,000	ND		0.2J		0.14J		ND		ND		ND		ND		ND		ND	
Di-n-butylphthalate	5700	1.1JB		0.28JB		0.29JB		0.72JB		0.84JB		1.3B		0.46JB		0.94JB		0.67JB	
Fluoranthene	2300	ND		ND		ND		0.13J		ND		ND		3400		ND		0.12J	
Fluorene	2300	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	ND		ND		ND		ND		ND		ND		0.62J		ND		ND	
Naphthalene	230	ND		ND		ND		ND		ND		ND		ND		ND		ND	
n-Nitrosodiphenylamine	140	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	ND		ND		ND		ND		ND		ND		1800		ND		ND	
Pyrene	1700	ND		ND		ND		0.14J		ND		ND		2500		ND		0.12J	
Pesticides/PCBs (mg/kg)																			
4,4'-DDD	3	0.003		0.009		0.961		ND		ND		0.025		ND		ND		1.766	
4,4'-DDE	2	0.013		0.009		0.21		ND		0.003		0.064		0.005		ND		0.166	
4,4'-DDT	2	0.174		0.011		0.08		ND		0.002		0.33		0.008		ND		0.2	
alpha-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dieldrin	0.042	ND		ND		ND		ND		ND		ND		ND		ND		ND	
gamma-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)																			
Aluminum	NLE	15700		19100		11700		11700		4900		17400		20200		20100		10400	
Antimony	14	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Arsenic	20	29.4		24.4		14.1		6.95		4.79		22.3		24.2		43.3		10	
Barium	700	6.35		15		38.2		17.7		9.32		29.3		22.9		11.3		66.1	
Beryllium	2	2.18		2.19		0.962		1.23		0.361		2.13		1.91		2.71		0.738	
Cadmium	39	0.385		0.42		0.36		0.308		0.281		0.557		0.257		0.612		0.272	
Calcium	NLE	290		447		2590		840		105		997		694		481		439	
Chromium	NLE	256		266		91.4		114		40.4		258		239		314		55.6	
Cobalt	NLE	0.874		1.36		2.38		1.87		1.32		1.4		1.14		1.17		3.33	
Copper	600	12.2		12		14.9		4.94		4.48		12.8		14.7		5.72		22	
Iron	NLE	49900		54000		28600		38200		14200		58200		48000		67600		24900	
Lead	400	4.73		7.94		7.56		4.98		2.86		17.5		45.5		13.2		34.3	
Magnesium	NLE	7580		8040		3340		4400		839		8190		7280		9930		1490	
Manganese	NLE	19.6		36.7		55.7		41.7		27.2		27.6		41.3		24		22.8	
Mercury	14	ND		ND		0.028		ND		ND		0.026		ND		0.037		0.286	
Nickel	250	6.47		5.95		6.75		5.61		2.58		7.59		5.77		7.06		10.4	
Potassium	NLE	17300		18000		6420		10600		1900		18800		16100		23200		3900	
Selenium	63	ND		0.848		0.882		ND		ND		0.766		ND		ND		1.43	
Silver	110	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE	191		367		151		150		174		171		166		156		199	
Thallium	2	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	112		123		57.2		64.2		37.3		106		112		125		42.3	
Zinc	1500	48.9		83.4		49.3		35		16.4		77		69.5		61.4		61.7	

NOTE: ND = Not Detected;
Shaded = Exceeds NJDEP Cleanup Criteria;
B = Detected in Blank; J = Estimated Result;
D = Diluted Sample; NLE = No Limit Established;
J = Compound Identified Below Detection Limit
Cleanup Criteria = Residential Direct Contact Soil
Cleanup Criteria (RDCSCC) per N.J.A.C. 7:9-6;
mg/kg = milligrams per kilogram;
Results reported in ug/kg presented in mg/kg.

Table 4-1
Soil Sampling Results (March 1998 to September 1999)
M-12 Landfill
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	4760.02		4760.03		4760.04		4760.05		4760.06		4760.07		4760.08		4760.09		4760.10		4760.11		4760.12		4760.13		4760.14		4760.15		4760.16		4760.17		4760.18		4760.19	
Field Sample Location	Cleanup Criteria	B74 (6-12")		B74 (24")		B75 (6-12")		B75 (24")		B76 (3-9")		B76 (24")		B77 (6-12")		B77 (24")		B78 (6-12")		B78 (24")		B79 (3-9")		B79 (24")		B80 (6-12")		B80 (24")		B81 (6-12")		B81 (24")		B82 (6-12")		B82 (24")	
Sample Date	(mg/kg)	8/30/1999		8/30/1999		8/30/1999		8/30/1999		8/30/1999		8/30/1999		8/30/1999		8/30/1999		8/30/1999		8/30/1999		8/30/1999		8/30/1999		8/30/1999		8/30/1999		8/30/1999		8/30/1999		8/30/1999	
Volatiles (mg/kg)																																			
Acetone	1000			ND				ND				ND				ND				ND				ND				ND				ND		ND	
Benzene	3			1300				ND				ND				ND				ND				ND				ND				ND		ND	
cis-1,2-Dichloroethene	79			1100				ND				ND				ND				ND				ND				ND				ND		ND	
Ethylbenzene	1000			880				ND				ND				ND				ND				ND				ND				ND		ND	
m+p-Xylenes	410			0.74J				ND				ND				ND				ND				ND				ND				ND		ND	
Methylene Chloride	49			ND				ND				ND				ND				ND				ND				ND				ND		ND	
o-Xylene	410			0.51J				ND				ND				ND				ND				ND				ND				ND		ND	
Toluene	1000			680				ND				ND				ND				ND				ND				ND				ND		ND	
Vinyl Chloride	2			ND				ND				ND				ND				ND				ND				ND				ND		ND	
Semi-Volatiles (mg/kg)																																			
2-Methylnaphthalene	NLE	ND				ND				ND				ND				ND				ND				ND				ND				ND	
Acenaphthene	3400	ND				ND				ND				ND				ND				ND				ND				ND				ND	
Acenaphthylene	NLE	ND				ND				ND				ND				ND				ND				ND				ND				ND	
Anthracene	10,000	ND				ND				ND				ND				ND				ND				ND				ND				ND	
Benzo[a]anthracene	0.9	ND				0.4J				0.23J				ND				ND				0.14J				ND				ND				ND	
Benzo[a]pyrene	0.66	ND				0.39J				0.3J				ND				ND				0.14J				ND				ND				ND	
Benzo[b]fluoranthene	0.9	ND				0.42J				0.32J				ND				ND				0.14J				ND				ND				ND	
Benzo[g,h,I]perylene	NLE	ND				0.23J				0.17J				ND				ND				ND				ND				ND				ND	
Benzo[k]fluoranthene	0.9	ND				0.43J				0.32J				ND				ND				0.13J				ND				ND				ND	
bis(2-Ethylhexyl)phthalate	49	0.23JB				0.26JB				0.22JB				0.18JB				0.23JB				0.23JB				0.19JB				0.22JB				0.2JB	
Butylbenzylphthalate	1100	ND				ND				ND				ND				ND				ND				ND				ND				ND	
Chrysene	9	ND				0.5J				0.3J				ND				ND				0.21J				ND				ND				ND	
Dibenz[a,h]anthracene	0.66	ND				ND				ND				ND				ND				ND				ND				ND				ND	
Dibenzofuran	NLE	ND				ND				ND				ND				ND				ND				ND				ND				ND	
Diethylphthalate	10,000	ND				ND				ND				0.12J				ND				0.14J				ND				0.15J				ND	
Di-n-butylphthalate	5700	0.34JB				1.3B				0.24JB				0.23JB				1.JB				0.26JB				0.44JB				1.JB				0.86JB	
Fluoranthene	2300	ND				0.82J				0.23J				ND				ND				0.31J				ND				ND				0.13J	
Fluorene	2300	ND				ND				ND				ND				ND				ND				ND				ND				ND	
Indeno[1,2,3-cd]pyrene	0.9	ND				0.23J				0.17J				ND				ND				ND				ND				ND				ND	
Naphthalene	230	ND				ND				ND				ND				ND				ND				ND				ND				ND	
n-Nitrosodiphenylamine	140	ND				ND				ND				ND				ND				ND				ND				ND				ND	
Phenanthrene	NLE	ND				0.45J				ND				ND				ND				0.21J				ND				ND				ND	
Pyrene	1700	ND				0.71J				0.26J				ND				ND				0.3J				ND				ND				0.13J	
Pesticides/PCBs (mg/kg)																																			
4,4'-DDD	3	0.012				0.689				0.115				ND				ND				0.23				ND				0.414				0.28	
4,4'-DDE	2	0.039				0.491				0.137				ND				0.001				0.097				ND				0.751				0.181	
4,4'-DDT	2	0.085				0.156				0.246				0.003				0.003				0.054				ND				1.98				0.124	
alpha-Chlordane	NLE	ND				ND				ND				ND				ND				ND				ND				0.063				ND	
Dieldrin	0.042	ND				ND				ND				ND				ND				ND				ND				ND				ND	
gamma-Chlordane	NLE	ND				ND				ND				ND				ND				ND				ND				0.11				ND	
Metals (mg/kg)																																			
Aluminum	NLE	15100				16400				11600				21600				13700				14300				9650				11700				9940	
Antimony	14	ND				ND				ND				ND				ND				ND				ND				ND				ND	
Arsenic	20	16				21.8				9.59				28.6				27.1				13.4				16.4				16.8				13.1	
Barium	700	29.1				32				47.4				18.2				17.1				41.7				17.7				16.7				84.2	
Beryllium	2	1.42				1.85				1.15				2.63				1.86				1.47				0.64				1.41				1.38	
Cadmium	39	0.336				0.42				0.33				0.831				0.458				0.385				0.257				0.612				0.483	
Calcium	NLE	752				599				750				702				482				629				941				635				1690	
Chromium	NLE	171				221				134				330				208				143				74.8				149				152	
Cobalt	NLE	1.61				1.3				1.47				1.25				0.697				2.33				1.55				1.4				1.1	
Copper	600	4.34				14.9				12.4				24.5				15.1				1.92				21.8				30.9				8.95	
Iron	NLE	36800				52000				35300				71100				44200				42000				17800				35100				37600	
Lead	400	16				25				15.1				32.3				15				7.38				33.8				41.3				14.7	
Magnesium	NLE	5110				6960				3980				9920				5670				4990				2270				4300				4260	
Manganese	NLE	39.8				27.7				25.1				28				23.7				28.1				30.1				29.3				22.9	
Mercury	14	ND				ND				0.036				ND				ND				ND				ND				ND				0.034	
Nickel	250	5.19				6.37				5.19				7.82				5.54				6.01				7.09				6.91				5.03	
Potassium	NLE	10800				16000				9700				23400				13500				11500				3820				9980				10500	
Selenium	63	ND				ND				ND				ND				ND				ND				ND				ND				1	
Silver	110	ND				ND				ND				ND				ND				ND				ND				ND				ND	
Sodium	NLE	471				126				127				662				86.3				218				109				116				130	
Thallium	2	ND				ND				ND				ND				ND				ND				ND				ND				ND	
Vanadium	370	84				98				64.5				125				69.8				77.5				34				59.2				66.7	
Zinc	1500	49.9				54.4				42.3				84.1				51.3				43.6				76				85.2				52.5	

NOTE: ND = Not Detected;
Shaded = Exceeds NJDEP Cleanup Criteria;
B = Detected in Blank; J = Estimated Result;
D = Diluted Sample; NLE = No Limit Established;
J = Compound Identified Below Detection Limit
Cleanup Criteria = Residential Direct Contact Soil Cleanup Criteria (RDCSCC) per N.J.A.C. 7:9-6;
mg/kg = milligrams per kilogram;
Results reported in ug/kg presented in mg/kg.

Table 4-1
Soil Sampling Results (March 1998 to September 1999)
M-12 Landfill
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	4760.20	4760.21	4760.22	4760.23	4760.24	4760.25	4760.26	4760.27	4760.28	4760.29	4760.30	4760.31	4762.02	4762.03	4762.04	4762.05	4762.06	4762.07
Field Sample Location	Cleanup Criteria	B83 (6-12")	B83 (24")	B84 (6-12")	B84 (24")	B85 (4-10")	B85 (24")	B86 (6-12")	B86 (24")	B87 (5-11")	B87 (24")	B88 (5-11")	B88 (24")	B89 (3-9")	B89 (24")	B90 (6-12")	B90 (24")	B91 (4-10")	B91 (24")
Sample Date	(mg/kg)	8/30/1999	8/30/1999	8/30/1999	8/30/1999	8/30/1999	8/30/1999	8/30/1999	8/30/1999	8/30/1999	8/30/1999	8/30/1999	8/30/1999	8/31/1999	8/31/1999	8/31/1999	8/31/1999	8/31/1999	8/31/1999
Volatiles (mg/kg)																			
Acetone	1000		ND		ND		ND		ND		ND		ND		13000		12000		11000
Benzene	3		ND		ND		ND		ND		ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	79		ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
m+p-Xylenes	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND		ND		ND
o-Xylene	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Vinyl Chloride	2		ND		ND		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)																			
2-Methylnaphthalene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Anthracene	10,000	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Benzo[a]anthracene	0.9	ND		ND		ND		ND		ND		0.12J		ND		ND		ND	
Benzo[a]pyrene	0.66	ND		ND		ND		ND		ND		0.13J		ND		ND		ND	
Benzo[b]fluoranthene	0.9	ND		ND		ND		ND		ND		0.16J		ND		ND		ND	
Benzo[g,h,I]perylene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Benzo[k]fluoranthene	0.9	ND		ND		ND		ND		ND		0.13J		ND		ND		ND	
bis(2-Ethylhexyl)phthalate	49	3.1B		0.26JB		0.2JB		0.19JB		0.25JB		0.15JB		0.24JB		0.59JB		0.21JB	
Butylbenzylphthalate	1100	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	9	ND		ND		ND		ND		ND		0.19J		ND		ND		ND	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10,000	ND		0.24J		ND		ND		ND		ND		ND		ND		ND	
Di-n-butylphthalate	5700	1.2B		2.2B		1.3B		1.6B		0.31JB		0.68JB		0.35JB		0.25JB		0.36JB	
Fluoranthene	2300	ND		ND		ND		ND		ND		0.28J		ND		ND		ND	
Fluorene	2300	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Naphthalene	230	ND		ND		ND		ND		ND		ND		ND		ND		ND	
n-Nitrosodiphenylamine	140	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	ND		ND		ND		ND		ND		0.2J		ND		ND		ND	
Pyrene	1700	ND		ND		ND		ND		ND		0.27J		ND		ND		ND	
Pesticides/PCBs (mg/kg)																			
4,4'-DDD	3	ND		0.005		0.1		ND		ND		0.659		0.111		0.022		0.048	
4,4'-DDE	2	0.003		0.017		0.061		ND		ND		0.28		0.103		0.004		0.016	
4,4'-DDT	2	0.01		0.076		0.043		ND		ND		0.077		0.125		0.003		0.015	
alpha-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dieldrin	0.042	ND		ND		ND		ND		ND		ND		ND		ND		ND	
gamma-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)																			
Aluminum	NLE	17900		18600		12500		17800		17000		15100		14100		8780		12400	
Antimony	14	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Arsenic	20	40.4		21.7		8.21		21.2		40.7		18.8		25.3		7.51		9.26	
Barium	700	10.5		15		57.3		15.1		83		32.5		53		22.8		47.9	
Beryllium	2	2.36		2.15		1.19		2.02		2.05		1.74		1.06		0.632		0.931	
Cadmium	39	0.646		0.667		0.242		0.378		0.527		0.52		0.608		0.538		0.192	
Calcium	NLE	624		735		655		484		1050		1180		2050		612		349	
Chromium	NLE	274		259		66.6		240		242		191		94.8		69.7		95.8	
Cobalt	NLE	1.02		1.14		7.25		1.09		1.89		1.34		2.66		2.25		1.83	
Copper	600	16.3		24.5		35.2		13.1		24.5		15.3		16.1		8.91		21.4	
Iron	NLE	57700		53900		19100		46200		52700		44600		32100		21200		26400	
Lead	400	8.58		18.6		58.8		6.57		35.7		32.1		56.9		35.7		37.6	
Magnesium	NLE	8130		7620		1610		6920		6780		5790		2850		1730		2920	
Manganese	NLE	21.5		30.4		39.4		31		49.2		71.6		40.9		38.8		24.4	
Mercury	14	ND		0.051		0.09		ND		0.059		0.084		0.261		0.062		0.05	
Nickel	250	6.26		7.73		21.3		5.26		7.88		6.31		8.46		5.58		5.75	
Potassium	NLE	19100		17800		3980		15800		15300		13400		6530		3840		6750	
Selenium	63	ND		ND		1.17		ND		ND		ND		ND		ND		ND	
Silver	110	ND		ND		ND		ND		ND		1.09		ND		ND		ND	
Sodium	NLE	96.5		145		242		142		185		117		167		126		215	
Thallium	2	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	115		113		44.3		113		105		80.5		57.5		44.4		50.7	
Zinc	1500	56.4		76.7		47		49		120		115		37.1		82.6		47.9	

NOTE: ND = Not Detected;
Shaded = Exceeds NJDEP Cleanup Criteria;
B = Detected in Blank; J = Estimated Result;
D = Diluted Sample; NLE = No Limit Established;
J = Compound Identified Below Detection Limit
Cleanup Criteria = Residential Direct Contact Soil Cleanup Criteria (RDCSCC) per N.J.A.C. 7:9-6;
mg/kg = milligrams per kilogram;
Results reported in ug/kg presented in mg/kg.

Table 4-1
Soil Sampling Results (March 1998 to September 1999)
M-12 Landfill
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP Cleanup Criteria	4762.08	4762.09	4762.10	4762.11	4762.12	4762.13	4762.14	4762.15	4762.16	4762.17	4762.18	4762.19	4762.20	4762.21	4762.22	4762.23	4762.24	4762.25
Field Sample Location		B92 (6-12")	B92 (24")	B93 (2-8")	B93 (24")	B94 (4-10")	B94 (24")	B95 (6-12")	B95 (24")	B96 (6-12")	B96 (24")	B97 (6-12")	B97 (24")	B98 (3-9")	B98 (24")	B99 (4-10")	B99 (24")	B100 (6-12")	B100 (24")
Sample Date	(mg/kg)	8/31/1999	8/31/1999	8/31/1999	8/31/1999	8/31/1999	8/31/1999	8/31/1999	8/31/1999	8/31/1999	8/31/1999	8/31/1999	8/31/1999	8/31/1999	8/31/1999	8/31/1999	8/31/1999	8/31/1999	8/31/1999
Volatiles (mg/kg)																			
Acetone	1000		12000		11000		13000		13000		14000		13000		13000		14000		14000
Benzene	3		ND		ND		ND		ND		ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	79		ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
m+p-Xylenes	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND		ND		ND
o-Xylene	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	1000		630		ND		ND		ND		ND		ND		ND		ND		ND
Vinyl Chloride	2		0.67J		ND		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)																			
2-Methylnaphthalene	NLE	ND		ND		ND		ND		0.24J		ND		ND		ND		0.29J	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Anthracene	10,000	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Benzo[a]anthracene	0.9	ND		0.36J		ND		ND		0.62J		0.21J		ND		0.11J		ND	
Benzo[a]pyrene	0.66	ND		0.38J		ND		ND		0.37J		0.26J		ND		0.12J		ND	
Benzo[b]fluoranthene	0.9	ND		0.34J		ND		ND		0.64J		0.31J		ND		0.25J		0.15J	
Benzo[g,h,I]perylene	NLE	ND		0.2J		ND		ND		0.16J		0.19J		ND		ND		ND	
Benzo[k]fluoranthene	0.9	ND		0.29J		ND		ND		0.66J		0.23J		ND		0.16J		ND	
bis(2-Ethylhexyl)phthalate	49	0.27JB		0.22JB		0.2JB		0.2JB		0.28JB		0.26JB		0.19JB		0.25JB		0.23JB	
Butylbenzylphthalate	1100	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	9	ND		0.47J		ND		ND		1.1J		0.27J		0.13J		0.23J		ND	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10,000	ND		0.13J		ND		0.32J		0.4J		0.23J		0.14J		0.23J		0.14J	
Di-n-butylphthalate	5700	0.84JB		0.29JB		0.28JB		0.87JB		0.8JB		1.1JB		0.79JB		1.5B		0.26JB	
Fluoranthene	2300	ND		0.34J		ND		ND		1300		0.29J		0.12J		0.17J		ND	
Fluorene	2300	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	ND		0.16J		ND		ND		0.17J		0.19J		ND		ND		ND	
Naphthalene	230	ND		ND		ND		ND		0.17J		ND		ND		ND		0.23J	
n-Nitrosodiphenylamine	140	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	ND		ND		ND		ND		0.35J		ND		ND		ND		0.14J	
Pyrene	1700	ND		0.5J		ND		ND		1.1J		0.32J		0.19J		0.18J		ND	
Pesticides/PCBs (mg/kg)																			
4,4'-DDD	3	0.002		ND		0.01		0.124		1.165		ND		0.069		0.006		0.011	
4,4'-DDE	2	0.003		ND		0.008		0.087		0.492		0.003		0.045		0.021		0.012	
4,4'-DDT	2	0.006		ND		0.002		0.157		0.699		0.014		0.148		0.006		0.007	
alpha-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dieldrin	0.042	ND		ND		ND		ND		ND		ND		0.002		ND		ND	
gamma-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)																			
Aluminum	NLE	17400		19100		19700		15900		12900		15100		12900		14900		16800	
Antimony	14	ND		ND		ND		ND		1.88		ND		ND		ND		ND	
Arsenic	20	31.0		26.5		21.5		20.1		14.5		15.5		9.72		11.3		20.6	
Barium	700	17.6		15.2		81.5		40.1		53.1		25.5		27.8		42.5		29.7	
Beryllium	2	1.47		2.32		1.91		1.49		0.907		1.1		1.03		1.51		1.8	
Cadmium	39	0.244		0.784		0.693		0.965		0.648		0.281		0.295		0.336		0.522	
Calcium	NLE	525		1140		1590		1430		1120		647		583		762		842	
Chromium	NLE	187		273		221		170		101		124		129		84.7		206	
Cobalt	NLE	1.45		1.06		1.76		2.2		2.91		2.41		1.92		2.56		2.35	
Copper	600	17.7		17.7		138		88.6		181		4.44		4.51		3.31		14.2	
Iron	NLE	38500		54700		46200		39600		25600		39400		29000		35600		45500	
Lead	400	17.3		10.8		209		50.4		79.5		11.3		18.3		11.6		22.9	
Magnesium	NLE	5100		8130		6580		5150		2950		2880		3060		3530		5950	
Manganese	NLE	47.2		22.8		80		53.5		123		31.9		31.7		80		25.5	
Mercury	14	0.051		0.063		0.064		0.099		0.162		0.094		0.243		0.084		0.131	
Nickel	250	5.2		7.67		7.65		8.68		10.4		9.02		6.54		8.89		9.27	
Potassium	NLE	10600		18700		14800		11400		6190		5850		6300		6720		13600	
Selenium	63	ND		ND		ND		ND		0.698		0.706		ND		ND		ND	
Silver	110	ND		ND		ND		ND		0.719		ND		ND		ND		ND	
Sodium	NLE	120		132		234		130		146		174		120		169		142	
Thallium	2	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	88.7		116		101		82		59.7		95.5		75.9		50.6		96.8	
Zinc	1500	57.4		82.8		316		94.5		402		47.2		62		92.3		50	

NOTE: ND = Not Detected;
Shaded = Exceeds NJDEP Cleanup Criteria;
B = Detected in Blank; J = Estimated Result;
D = Diluted Sample; NLE = No Limit Established;
J = Compound Identified Below Detection Limit
Cleanup Criteria = Residential Direct Contact Soil Cleanup Criteria (RDCSCC) per N.J.A.C. 7:9-6;
mg/kg = milligrams per kilogram;
Results reported in ug/kg presented in mg/kg.

Table 4-1
Soil Sampling Results (March 1998 to September 1999)
M-12 Landfill
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	4762.26	4762.27	4762.28	4762.29	4774.02	4774.03	4774.04	4774.05	4774.06	4774.07	4774.08	4774.09	4774.10	4774.11	4774.12	4774.13	4774.14	4774.15
Field Sample Location	Cleanup Criteria	B101 (6-12")	B101 (24")	B102 (6-12")	B102 (24")	B103 (6-12")	B103 (24")	B104 (3-9")	B104 (24")	B105 (0-6")	B105 (24")	B106 (0-6")	B106 (24")	B107 (4-10")	B107 (24")	B108 (5-11")	B108 (24")	B109 (6-12")	B109 (24")
Sample Date	(mg/kg)	8/31/1999	8/31/1999	8/31/1999	8/31/1999	9/7/1999	9/7/1999	9/7/1999	9/7/1999	9/7/1999	9/7/1999	9/7/1999	9/7/1999	9/7/1999	9/7/1999	9/7/1999	9/7/1999	9/7/1999	9/7/1999
Volatiles (mg/kg)																			
Acetone	1000		16000		13000		ND		ND		ND		ND		ND		ND		ND
Benzene	3		ND		ND		ND		ND		ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	79		ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
m+p-Xylenes	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND		ND		ND
o-Xylene	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Vinyl Chloride	2		ND		ND		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)																			
2-Methylnaphthalene	NLE	ND		ND		ND		0.18J		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		0.88J		0.15J		0.14J		ND		ND		ND	
Anthracene	10,000	ND		ND		ND		0.4J		0.17J		ND		ND		ND		ND	
Benzo[a]anthracene	0.9	ND		ND		0.2J		2300		0.50J		0.24J		ND		ND		ND	
Benzo[a]pyrene	0.66	ND		ND		0.19J		3600		0.52J		0.32J		ND		ND		ND	
Benzo[b]fluoranthene	0.9	ND		ND		0.21J		3500		0.51J		0.37J		ND		ND		ND	
Benzo[g,h,I]perylene	NLE	ND		ND		0.13J		1800		0.25J		ND		ND		ND		ND	
Benzo[k]fluoranthene	0.9	ND		ND		0.21J		3000		0.45J		0.27J		ND		ND		ND	
bis(2-Ethylhexyl)phthalate	49	0.23JB		0.2JB		0.24JB		0.22JB		0.26JB		0.26JB		0.31JB		0.27JB		0.3JB	
Butylbenzylphthalate	1100	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	9	ND		ND		0.26J		2600		0.66J		0.35J		ND		ND		ND	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		0.73J		ND		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10,000	0.12J		ND		ND		ND		ND		ND		ND		0.18J		ND	
Di-n-butylphthalate	5700	1.1JB		1.1JB		1.3B		1.5B		0.56JB		1.4B		0.66JB		1.7B		1.5B	
Fluoranthene	2300	ND		ND		0.43J		2700		0.85J		0.35J		ND		ND		ND	
Fluorene	2300	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	ND		ND		0.12J		1900		0.24J		ND		ND		ND		ND	
Naphthalene	230	ND		ND		ND		0.29J		ND		ND		ND		ND		ND	
n-Nitrosodiphenylamine	140	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	ND		ND		0.25J		0.59J		0.47J		0.16J		ND		ND		ND	
Pyrene	1700	ND		ND		0.4J		3100		0.92J		0.43J		ND		ND		ND	
Pesticides/PCBs (mg/kg)																			
4,4'-DDD	3	ND		0.007		0.381		ND		0.081		0.05		0.003		ND		1.031	
4,4'-DDE	2	ND		0.01		0.316		0.01		0.06		0.076		0.007		ND		0.81	
4,4'-DDT	2	ND		ND		0.38		0.051		0.231		0.085		0.007		ND		0.03	
alpha-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dieldrin	0.042	ND		ND		ND		ND		ND		ND		ND		ND		0.002	
gamma-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)																			
Aluminum	NLE	21800		24700		18200		12800		15700		17900		22700		17800		18900	
Antimony	14	0.455		ND		0.461		ND		ND		ND		ND		ND		ND	
Arsenic	20	21.7		32.1		23.6		8.63		13.5		13.9		26		28.9		30.3	
Barium	700	31.4		17.3		75.7		35.3		41.1		42.2		13.1		10.9		41.6	
Beryllium	2	1.73		2.71		1.95		0.797		1.12		1.32		2.81		1.4		1.76	
Cadmium	39	0.331		0.924		1.43		0.411		0.44		0.443		0.84		0.269		0.835	
Calcium	NLE	736		964		1340		528		854		984		808		429		1230	
Chromium	NLE	210		338		211		68.6		96.8		132		333		178		213	
Cobalt	NLE	1.58		1.32		2.03		4.18		3.27		4.12		1.22		1.22		2.03	
Copper	600	16.4		20.9		34		3.68		16.1		9.78		2.95		23.1		33.4	
Iron	NLE	39000		74100		45500		31800		33600		39500		66600		33800		43500	
Lead	400	28.3		10.3		60.1		13.4		28.3		39.9		11.2		4.84		83.1	
Magnesium	NLE	5690		10500		6060		1210		3260		4200		9940		4880		6050	
Manganese	NLE	55.6		42.7		44.1		89.5		64.6		123		33.7		31.7		63.5	
Mercury	14	0.047		ND		0.378		0.047		0.141		0.051		0.046		ND		0.068	
Nickel	250	6.15		7.82		10.6		10.5		9.53		8.91		6.94		4.99		8.06	
Potassium	NLE	12000		24100		13500		2580		6920		9120		23200		9910		13500	
Selenium	63	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Silver	110	ND		ND		0.856		ND		ND		ND		ND		ND		ND	
Sodium	NLE	136		181		117		131		243		143		138		100		93.3	
Thallium	2	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	101		134		98.7		75		63.2		71.9		140		85.3		104	
Zinc	1500	65		69.7		102		49		61.3		71.3		62.8		43		129	

NOTE: ND = Not Detected;
Shaded = Exceeds NJDEP Cleanup Criteria;
B = Detected in Blank; J = Estimated Result;
D = Diluted Sample; NLE = No Limit Established;
J = Compound Identified Below Detection Limit
Cleanup Criteria = Residential Direct Contact Soil Cleanup Criteria (RDCSCC) per N.J.A.C. 7:9-6;
mg/kg = milligrams per kilogram;
Results reported in ug/kg presented in mg/kg.

Table 4-1
Soil Sampling Results (March 1998 to September 1999)
M-12 Landfill
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP Cleanup Criteria	4774.16	4774.17	4774.18	4774.19	4774.20	4774.21	4774.22	4774.23	4777.02	4777.03	4777.04	4777.05	4777.06	4777.07	4777.08	4777.09	4777.10	4777.11
Field Sample Location		B110 (9-15")	B110 (24")	B111 (3-9")	B111 (24")	B112 (6-12")	B112 (24")	B113 (6-12")	B113 (24")	B114 (4-10")	B114 (24")	B115 (6-12")	B115 (24")	B116 (0-6")	B116 (24")	B117 (4-10")	B117 (24")	B118 (4-10")	B118 (24")
Sample Date	(mg/kg)	9/7/1999	9/7/1999	9/7/1999	9/7/1999	9/7/1999	9/7/1999	9/7/1999	9/7/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999
Volatiles (mg/kg)																			
Acetone	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Benzene	3		ND		ND		ND		ND		ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	79		ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
m+p-Xylenes	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		1600		ND		ND		ND		ND		ND		ND
o-Xylene	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Vinyl Chloride	2		ND		ND		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)																			
2-Methylnaphthalene	NLE	0.12J		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		ND		0.53J		ND		ND		ND		ND	
Acenaphthylene	NLE	0.65J		0.15J		ND		ND		ND		ND		ND		ND		ND	
Anthracene	10,000	0.35J		ND		0.15J		ND		2200		ND		ND		ND		ND	
Benzo[a]anthracene	0.9	1600		0.37J		0.75J		ND		4100		0.28J		0.31J		0.30J		ND	
Benzo[a]pyrene	0.66	2600		0.39J		0.83J		ND		3300		0.3J		0.33J		0.3J		ND	
Benzo[b]fluoranthene	0.9	2500		0.39J		2200		ND		3100		0.27J		0.42J		0.31J		ND	
Benzo[g,h,I]perylene	NLE	0.92J		0.22J		0.42J		ND		1700		0.17J		ND		0.12J		ND	
Benzo[k]fluoranthene	0.9	2200		0.32J		1300		ND		2800		0.29J		0.32J		0.27J		ND	
bis(2-Ethylhexyl)phthalate	49	0.23JB		0.2JB		0.18JB		0.24JB		0.3JB		0.19JB		0.31JB		0.3JB		0.15JB	
Butylbenzylphthalate	1100	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	9	1900		0.5J		1800		ND		3900		0.4J		0.41J		0.37J		ND	
Dibenz[a,h]anthracene	0.66	0.35J		ND		ND		ND		0.68J		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		0.33J		ND		ND		ND		ND	
Diethylphthalate	10,000	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Di-n-butylphthalate	5700	1.2B		0.52JB		1.5B		2.3B		0.73JB		0.64JB		1.4B		0.45JB		0.6JB	
Fluoranthene	2300	2100		0.63J		0.45J		ND		9300		0.58J		0.6J		0.59J		ND	
Fluorene	2300	ND		ND		ND		ND		0.8J		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	0.96J		0.2J		0.45J		ND		1700		0.16J		ND		0.13J		ND	
Naphthalene	230	0.2J		ND		ND		ND		ND		ND		ND		ND		ND	
n-Nitrosodiphenylamine	140	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	0.76J		0.42J		ND		ND		8300		0.35J		0.34J		0.28J		ND	
Pyrene	1700	2400		0.74J		1.J		ND		7100		0.72J		0.64J		0.59J		ND	
Pesticides/PCBs (mg/kg)																			
4,4'-DDD	3	0.084		0.062		0.057		0.138		0.008		0.085		0.019		0.183		0.024	
4,4'-DDE	2	0.064		0.095		0.022		0.069		0.062		0.012		0.013		0.131		0.015	
4,4'-DDT	2	0.061		0.065		0.013		0.06		0.016		0.019		0.029		0.027		0.013	
alpha-Chlordane	NLE	ND		ND		ND		ND		ND		ND		0.004		ND		ND	
Dieldrin	0.042	ND		ND		ND		ND		ND		ND		ND		ND		ND	
gamma-Chlordane	NLE	ND		ND		ND		ND		ND		ND		0.005		ND		ND	
Metals (mg/kg)																			
Aluminum	NLE	10200		14900		17400		12000		13600		11000		12500		10800		17200	
Antimony	14	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Arsenic	20	7.6		11.5		17.6		16.8		24.9		12.2		16.2		11.8		24.7	
Barium	700	29.2		34.1		114		10.4		28.6		30.5		63.7		27.6		19.3	
Beryllium	2	0.709		0.994		1.54		1.21		1.67		1.08		1.34		1.27		1.15	
Cadmium	39	0.348		0.299		0.563		0.324		0.516		0.195		0.493		2.26		ND	
Calcium	NLE	574		722		1330		592		850		1390		14200		1530		773	
Chromium	NLE	61.7		92		133		149		186		92.4		189		124		159	
Cobalt	NLE	3.21		2.46		6.36		1.22		1.11		2.27		3.09		5.14		1.08	
Copper	600	3.68		4.95		19.5		2.18		53.6		18.2		30.6		38.6		15.2	
Iron	NLE	28800		29400		35100		30500		41800		30800		41200		33600		31100	
Lead	400	15.7		19		30.2		14.8		66.7		16.4		38.3		47		15.9	
Magnesium	NLE	1260		3070		3670		3900		5730		3450		5480		3820		4600	
Manganese	NLE	71.1		59.7		51.9		29.6		50.6		62.1		785		89.8		34.2	
Mercury	14	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Nickel	250	8.78		6.89		15.3		3.9		6.55		7.13		10.2		14.1		4.83	
Potassium	NLE	2630		6430		7940		8640		12300		7030		9190		7840		8370	
Selenium	63	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Silver	110	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE	75.9		107		223		48.2		93.9		191		346		190		188	
Thallium	2	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	67.6		54.5		70.2		67.7		73		50.9		70.3		57.7		77.5	
Zinc	1500	54.6		42.2		99.6		35.8		99.8		73		126		226		77.4	

NOTE: ND = Not Detected;
Shaded = Exceeds NJDEP Cleanup Criteria;
B = Detected in Blank; J = Estimated Result;
D = Diluted Sample; NLE = No Limit Established;
J = Compound Identified Below Detection Limit
Cleanup Criteria = Residential Direct Contact Soil Cleanup Criteria (RDCSCC) per N.J.A.C. 7:9-6;
mg/kg = milligrams per kilogram;
Results reported in ug/kg presented in mg/kg.

Table 4-1
Soil Sampling Results (March 1998 to September 1999)
M-12 Landfill
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	4777.12	4777.13	4777.14	4777.15	4777.16	4777.17	4777.18	4777.19	4777.20	4777.21	4777.22	4777.23	4777.24	4777.25	4777.26	4777.27	4790.02	4790.03
Field Sample Location	Cleanup Criteria	B119 (0-6")	B119 (24")	B120 (6-12")	B120 (24")	B121 (0-6")	B121 (24")	B122 (0-6")	B122 (24")	B123 (0-6")	B123 (24")	B124 (0-6")	B124 (24")	B125 (0-6")	B125 (24")	B126 (0-6")	B126 (24")	B127 (0-6")	B127 (24")
Sample Date	(mg/kg)	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/8/1999	9/15/1999	9/15/1999
Volatiles (mg/kg)																			
Acetone	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Benzene	3		ND		ND		ND		ND		ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	79		ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
m+p-Xylenes	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		0.29J		0.36J		0.35J		2500		1200		710		5700		ND
o-Xylene	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Vinyl Chloride	2		ND		ND		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)																			
2-Methylnaphthalene	NLE	ND		0.18J		0.24J		ND		ND		ND		ND		ND		0.39J	
Acenaphthene	3400	ND		ND		0.19J		ND		ND		ND		ND		ND		0.84J	
Acenaphthylene	NLE	ND		ND		ND		7.2JD		ND		ND		ND		3.2JD		1600	
Anthracene	10,000	ND		ND		ND		3.5JD		ND		ND		ND		1.6JD		3400	
Benzo[a]anthracene	0.9	ND		0.22J		ND		11.JD		ND		0.12J		0.18J		5.4JD		13000	
Benzo[a]pyrene	0.66	ND		0.21J		ND		11.JD		ND		0.14J		0.19J		5.5JD		12000	
Benzo[b]fluoranthene	0.9	ND		0.17J		ND		7.7JD		ND		0.13J		0.21J		3.7JD		11000	
Benzo[g,h,I]perylene	NLE	ND		ND		ND		3.1JD		ND		ND		ND		2.JD		3700	
Benzo[k]fluoranthene	0.9	ND		0.18J		ND		8.5JD		ND		0.1J		0.2J		3.3JD		9100	
bis(2-Ethylhexyl)phthalate	49	1.5JBD		0.15JB		0.34JB		ND		0.14JB		0.18JB		0.23JB		ND		0.19JB	
Butylbenzylphthalate	1100	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	9	ND		0.31J		ND		14.D		0.14J		0.18J		0.24J		7.2D		11000	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		ND		ND		ND		0.78JD		2000	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND		ND		0.46J	
Diethylphthalate	10,000	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Di-n-butylphthalate	5700	0.51JBD		0.55JB		1.4B		1.4JBD		1.9B		1.6B		1.8B		1.8JBD		0.55JB	
Fluoranthene	2300	ND		0.32J		ND		13.D		0.22J		0.19J		0.43J		6.3D		32.D	
Fluorene	2300	ND		ND		0.26J		1.7JD		ND		ND		ND		1.JD		1.J	
Indeno[1,2,3-cd]pyrene	0.9	ND		ND		ND		2.7JD		ND		ND		ND		1.8JD		4400	
Naphthalene	230	ND		ND		ND		ND		0.12J		ND		ND		ND		0.67J	
n-Nitrosodiphenylamine	140	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	ND		0.25J		0.54J		15.D		0.47J		0.17J		0.22J		6.4D		9800	
Pyrene	1700	0.73JD		0.44J		ND		28.D		0.21J		0.25J		0.38J		12.D		29.D	
Pesticides/PCBs (mg/kg)																			
4,4'-DDD	3	0.023		0.007		0.068		0.057		0.018		ND		0.005		0.036		0.013	
4,4'-DDE	2	0.052		ND		0.041		0.059		0.015		ND		0.005		ND		0.019	
4,4'-DDT	2	0.103		0.006		0.02		0.057		0.003		ND		0.005		0.064		0.021	
alpha-Chlordane	NLE	0.003		ND		ND		ND		ND		ND		ND		ND		ND	
Dieldrin	0.042	0.002		ND		ND		ND		ND		ND		ND		ND		ND	
gamma-Chlordane	NLE	0.005		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)																			
Aluminum	NLE	7840		11100		10200		19500		12000		10500		15100		7010		10500	
Antimony	14	0.571		ND		ND		ND		ND		ND		ND		ND		16.7	
Arsenic	20	5.11		9.25		9.15		38.8		24		9.92		22.1		9.23		20.7	
Barium	700	50.1		26.2		23.2		35.5		28.3		24.3		24.5		24.8		122	
Beryllium	2	0.397		1.03		1.08		2.31		1.69		1.02		2.03		0.691		1.62	
Cadmium	39	0.229		0.181		0.255		0.705		0.39		0.201		0.485		0.283		0.523	
Calcium	NLE	6010		957		936		1800		1820		1610		2460		2690		13900	
Chromium	NLE	41		81.7		84.7		276		176		92.4		215		51.1		140	
Cobalt	NLE	9.12		2.5		2.45		1.45		2.32		2.16		1.47		2.5		27.4	
Copper	600	60		14.3		16.4		41.9		43.5		14.1		14.4		20		277	
Iron	NLE	17900		30800		32500		63500		46100		30200		55200		22200		34000	
Lead	400	57.1		18.7		14.2		38.8		22		11.6		23.6		32		181	
Magnesium	NLE	4750		3240		3270		8570		5590		3180		7120		2290		4760	
Manganese	NLE	162		68.5		63.6		48.6		67.6		135		70.1		86.6		1110	
Mercury	14	ND		ND		ND		ND		ND		0.033		ND		0.029		0.047	
Nickel	250	18.3		7.84		7.94		9.67		6.8		6.8		7.39		6.93		29.9	
Potassium	NLE	1400		6470		6600		18400		12900		6250		15900		3920		4990	
Selenium	63	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Silver	110	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE	433		154		90.8		160		416		367		104		126		268	
Thallium	2	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	39.6		51.3		50.1		116		44.6		50.5		65.1		39.5		52.3	
Zinc	1500	144		53.5		46		106		83.7		42.9		68.8		54.7		725	

NOTE: ND = Not Detected;
Shaded = Exceeds NJDEP Cleanup Criteria;
B = Detected in Blank; J = Estimated Result;
D = Diluted Sample; NLE = No Limit Established;
J = Compound Identified Below Detection Limit
Cleanup Criteria = Residential Direct Contact Soil
Cleanup Criteria (RDCSCC) per N.J.A.C. 7:9-6;
mg/kg = milligrams per kilogram;
Results reported in ug/kg presented in mg/kg.

Table 4-1
Soil Sampling Results (March 1998 to September 1999)
M-12 Landfill
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	4790.04	4790.05	4790.06	4790.07	4790.08	4790.09	4790.10	4790.11	4790.12	4790.13	4790.14	4790.15	4790.16	4790.17	4790.18	4790.19	4790.20	4790.21
Field Sample Location	Cleanup Criteria	B128 (0-6")	B128 (24")	B129 (0-6")	B129 (24")	B130 (0-6")	B130 (24")	B131 (0-6")	B131 (24")	B132 (0-6")	B132 (24")	B133 (0-6")	B133 (24")	B134 (0-6")	B134 (24")	B135 (0-6")	B135 (24")	B136 (0-6")	B136 (24")
Sample Date	(mg/kg)	9/15/1999	9/15/1999	9/15/1999	9/15/1999	9/15/1999	9/15/1999	9/15/1999	9/15/1999	9/15/1999	9/15/1999	9/15/1999	9/15/1999	9/15/1999	9/15/1999	9/15/1999	9/15/1999	9/15/1999	9/15/1999
Volatiles (mg/kg)																			
Acetone	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Benzene	3		ND		ND		ND		ND		ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	79		ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
m+p-Xylenes	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		ND		ND		ND		ND		ND		ND
o-Xylene	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Vinyl Chloride	2		ND		ND		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)																			
2-Methylnaphthalene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		0.66JD		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		0.34J		ND		ND		ND		ND		ND		ND		ND	
Anthracene	10000	ND		0.31J		ND		1.7JD		ND		ND		ND		ND		ND	
Benzo[a]anthracene	0.9	ND		1.2J		ND		7.5D		ND		ND		0.12J		ND		ND	
Benzo[a]pyrene	0.66	ND		1.2J		ND		8.6D		0.12J		ND		0.15J		ND		ND	
Benzo[b]fluoranthene	0.9	ND		0.9J		ND		9.5D		ND		ND		0.14J		ND		ND	
Benzo[g,h,I]perylene	NLE	ND		0.65J		ND		2.8JD		ND		ND		ND		ND		ND	
Benzo[k]fluoranthene	0.9	ND		1.0J		ND		8.D		ND		ND		0.12J		ND		ND	
bis(2-Ethylhexyl)phthalate	49	ND		0.3JB		0.16JB		2.JBD		0.15JB		ND		0.14JB		0.26JB		0.2JB	
Butylbenzylphthalate	1100	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	9	ND		1.4J		ND		8.5D		0.14J		ND		0.18J		ND		ND	
Dibenz[a,h]anthracene	0.66	ND		0.16J		ND		0.92JD		ND		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10000	ND		ND		ND		ND		0.18J		ND		ND		ND		ND	
Di-n-butylphthalate	5700	0.85JBD		0.75JB		1.4B		1.3JBD		1.4B		2.7JBD		1.3B		1.7B		0.74JB	
Fluoranthene	2300	ND		2100		ND		16.D		0.18J		ND		0.18J		ND		0.12J	
Fluorene	2300	ND		0.17J		ND		0.57JD		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	ND		0.58J		ND		3.JD		ND		ND		ND		ND		ND	
Naphthalene	230	ND		ND		ND		ND		ND		ND		ND		ND		ND	
n-Nitrosodiphenylamine	140	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	ND		1.4J		ND		7.8D		ND		ND		ND		ND		ND	
Pyrene	1700	ND		2200		ND		14.D		0.19J		ND		0.23J		ND		0.12J	
Pesticides/PCBs (mg/kg)																			
4,4'-DDD	3	0.004		0.022		ND		0.067		0.007		0.009		0.014		ND		0.013	
4,4'-DDE	2	0.007		0.01		ND		0.064		0.008		0.011		0.017		ND		0.03	
4,4'-DDT	2	0.008		0.013		ND		0.313		0.004		0.021		0.012		ND		0.008	
alpha-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dieldrin	0.042	ND		ND		ND		ND		ND		ND		ND		ND		ND	
gamma-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)																			
Aluminum	NLE	13300		16000		16500		5600		17800		17400		15300		13100		13600	
Antimony	14	ND		ND		ND		0.793		ND		ND		ND		ND		ND	
Arsenic	20	25.4		16.1		24.1		6.7		28		26.9		20.6		21.1		17	
Barium	700	22.8		47.9		32.4		45.9		33.8		92.3		40.2		31.4		35.6	
Beryllium	2	1.17		1.59		1.85		0.574		2.07		2.01		1.59		1.05		1.47	
Cadmium	39	0.394		0.426		0.288		0.745		0.34		0.837		0.626		0.558		0.46	
Calcium	NLE	1480		6480		1190		2500		1640		1880		1760		1250		1260	
Chromium	NLE	189		193		221		40.6		241		222		177		134		151	
Cobalt	NLE	0.802		3.38		1.03		4.55		1.37		1.66		2.13		2.87		2.86	
Copper	600	21.3		17.2		21.6		60.6		20.5		49.5		45.6		97.6		316	
Iron	NLE	44100		48600		46300		15100		52200		47600		41400		33700		36900	
Lead	400	18.1		26.6		38.6		126		26.5		77.2		93.2		442		59.8	
Magnesium	NLE	5710		5420		6440		1440		7370		6790		5810		3410		4550	
Manganese	NLE	38		583		38.9		136		67.4		149		97.6		175		54.8	
Mercury	14	0.032		ND		ND		0.094		ND		0.156		0.031		ND		0.047	
Nickel	250	5.64		10.1		5.28		9.94		6.64		7.49		8.27		10.4		8.54	
Potassium	NLE	12900		10700		13800		1950		16000		15000		11500		6710		9740	
Selenium	63	1.05		ND		ND		ND		0.918		ND		ND		1.23		ND	
Silver	110	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE	251		155		121		120		123		153		138		88.7		181	
Thallium	2	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	69.4		83.4		102		32.3		106		106		84.4		65.1		78	
Zinc	1500	66.3		129		58		149		78.6		250		125		283		74.5	

NOTE: ND = Not Detected;
Shaded = Exceeds NJDEP Cleanup Criteria;
B = Detected in Blank; J = Estimated Result;
D = Diluted Sample; NLE = No Limit Established;
J = Compound Identified Below Detection Limit
Cleanup Criteria = Residential Direct Contact Soil Cleanup Criteria (RDCSCC) per N.J.A.C. 7:9-6;
mg/kg = milligrams per kilogram;
Results reported in ug/kg presented in mg/kg.

Table 4-1
Soil Sampling Results (March 1998 to September 1999)
M-12 Landfill
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP Cleanup Criteria (mg/kg)	4790.22	4790.23	4790.24	4790.25	4790.26	4790.27	4793.02	4793.03	4793.04	4793.05	4793.06	4793.07	4793.08	4793.09	4793.10	4793.11	4793.12	4793.13
Field Sample Location		B137 (0-6")	B137 (24")	B138 (0-6")	B138 (24")	B139 (0-6")	B139 (24")	B140 (0-6")	B140 (24")	B141 (0-6")	B141 (24")	B142 (0-6")	B142 (24")	B143 (0-6")	B143 (24")	B144 (0-6")	B144 (24")	B145 (0-6")	B145 (24")
Sample Date		9/15/1999	9/15/1999	9/15/1999	9/15/1999	9/15/1999	9/15/1999	9/20/1999	9/20/1999	9/20/1999	9/20/1999	9/20/1999	9/20/1999	9/20/1999	9/20/1999	9/20/1999	9/20/1999	9/20/1999	9/20/1999
Volatiles (mg/kg)																			
Acetone	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Benzene	3		ND		ND		ND		ND		ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	79		ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
m+p-Xylenes	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49		ND		ND		ND		1500		810		580		0.5J		0.41J		ND
o-Xylene	410		ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	1000		ND		ND		ND		ND		ND		ND		ND		ND		ND
Vinyl Chloride	2		ND		ND		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)																			
2-Methylnaphthalene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Anthracene	10000	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Benzo[a]anthracene	0.9	0.28J		ND		0.41J		0.2J		0.18J		0.17J		ND		ND		ND	
Benzo[a]pyrene	0.66	0.31J		ND		0.43J		0.19J		0.15J		0.19J		ND		ND		ND	
Benzo[b]fluoranthene	0.9	0.27J		ND		0.39J		0.2J		0.15J		0.19J		ND		ND		ND	
Benzo[g,h,I]perylene	NLE	0.18J		ND		0.22J		ND		ND		0.13J		ND		ND		ND	
Benzo[k]fluoranthene	0.9	0.24J		ND		0.41J		0.16J		0.13J		0.19J		ND		ND		ND	
bis(2-Ethylhexyl)phthalate	49	0.24JB		0.25JB		0.23JB		0.21JB		0.15JB		0.26JB		0.15JB		0.2JB		0.18JB	
Butylbenzylphthalate	1100	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	9	0.33J		ND		0.47J		0.24J		0.2J		0.23J		ND		ND		ND	
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10000	ND		0.27J		ND		ND		ND		ND		ND		ND		ND	
Di-n-butylphthalate	5700	1.6B		2.7B		0.73JB		1.5B		0.52JB		1.5B		0.52JB		2.4B		2.2B	
Fluoranthene	2300	0.55J		ND		0.71J		0.41J		0.43J		0.4J		ND		ND		ND	
Fluorene	2300	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	0.16J		ND		0.21J		ND		ND		ND		ND		ND		ND	
Naphthalene	230	ND		ND		ND		ND		ND		ND		ND		ND		ND	
n-Nitrosodiphenylamine	140	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE	0.31J		ND		0.23J		0.28J		0.27J		0.25J		ND		ND		ND	
Pyrene	1700	0.51J		ND		0.71J		0.38J		0.38J		0.37J		ND		ND		ND	
Pesticides/PCBs (mg/kg)																			
4,4'-DDD	3	0.009		0.013		0.069		0.009		0.003		0.03		0.006		ND		ND	
4,4'-DDE	2	0.011		0.01		0.111		0.01		0.003		0.029		0.032		ND		ND	
4,4'-DDT	2	0.012		0.005		0.03		0.016		0.003		0.023		0.036		0.002		0.002	
alpha-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dieldrin	0.042	ND		ND		ND		ND		ND		0.007		ND		ND		ND	
gamma-Chlordane	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)																			
Aluminum	NLE	18100		12300		12400		12300		14100		13900		13600		13200		16600	
Antimony	14	ND		ND		1.68		ND		ND		ND		ND		ND		ND	
Arsenic	20	22.2		15.4		38.6		17.7		22.3		20.3		20		16.2		24	
Barium	700	34.6		38		133		29		24.8		32.5		11.3		21.8		9.04	
Beryllium	2	2.19		1.26		1.09		1.47		1.96		1.85		1.11		1.19		2.44	
Cadmium	39	0.453		0.627		25.2		0.379		0.54		0.555		0.233		0.282		0.514	
Calcium	NLE	1420		2120		1530		998		1830		1260		651		1570		515	
Chromium	NLE	204		122		215		162		207		193		148		134		269	
Cobalt	NLE	1.6		3.43		4.2		1.6		1.29		1.31		0.77		1.2		0.664	
Copper	600	21.4		27.2		243		23		10.2		28		12.4		13.6		6.31	
Iron	NLE	52500		35000		132000		36200		48500		42900		29900		29400		55000	
Lead	400	48.4		46		1090		28.6		30		17.9		5.72		17.1		9.35	
Magnesium	NLE	7510		4410		4110		4960		6480		5480		3660		3830		7780	
Manganese	NLE	50		79.4		332		35.6		43.7		47.3		31.2		52.3		19.3	
Mercury	14	0.083		0.06		0.078		0.061		ND		ND		ND		ND		ND	
Nickel	250	6.92		9.93		13.1		6.22		6.64		5.77		3.74		4.62		5.7	
Potassium	NLE	17500		8520		8990		10700		14700		12500		7330		7650		18800	
Selenium	63	ND		ND		1.27		ND		ND		ND		ND		ND		ND	
Silver	110	ND		ND		1.33		ND		ND		ND		ND		ND		ND	
Sodium	NLE	134		166		348		264		122		103		130		67.4		102	
Thallium	2	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	370	110		74.1		90.6		76		80		82.7		73		63.9		111	
Zinc	1500	79.6		94.8		6530		50.6		80.3		98.3		42.2		59.5		57.5	

NOTE: ND = Not Detected;
Shaded = Exceeds NJDEP Cleanup Criteria;
B = Detected in Blank; J = Estimated Result;
D = Diluted Sample; NLE = No Limit Established;
J = Compound Identified Below Detection Limit
Cleanup Criteria = Residential Direct Contact Soil Cleanup Criteria (RDCSCC) per N.J.A.C. 7:9-6;
mg/kg = milligrams per kilogram;
Results reported in ug/kg presented in mg/kg.

Table 4-1
Soil Sampling Results (March 1998 to September 1999)
M-12 Landfill
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP Cleanup Criteria (mg/kg)	4793.14	4793.15	4793.16	4793.17	4793.18	4793.19
Field Sample Location		B146 (0-6")	B146 (24")	B147 (0-6")	B147 (24")	B148 (0-6")	B148 (24")
Sample Date		9/20/1999	9/20/1999	9/20/1999	9/20/1999	9/20/1999	9/20/1999
Volatiles (mg/kg)							
Acetone	1000		ND		ND		ND
Benzene	3		ND		ND		ND
cis-1,2-Dichloroethene	79		ND		ND		ND
Ethylbenzene	1000		ND		ND		ND
m+p-Xylenes	410		ND		ND		ND
Methylene Chloride	49		ND		ND		0.34J
o-Xylene	410		ND		ND		ND
Toluene	1000		ND		ND		ND
Vinyl Chloride	2		ND		ND		ND
Semi-Volatiles (mg/kg)							
2-Methylnaphthalene	NLE	ND		ND		ND	
Acenaphthene	3400	ND		ND		ND	
Acenaphthylene	NLE	ND		ND		ND	
Anthracene	10000	ND		ND		ND	
Benzo[a]anthracene	0.9	0.35J		ND		ND	
Benzo[a]pyrene	0.66	0.34J		ND		ND	
Benzo[b]fluoranthene	0.9	0.29J		ND		ND	
Benzo[g,h,I]perylene	NLE	0.18J		ND		ND	
Benzo[k]fluoranthene	0.9	0.29J		ND		ND	
bis(2-Ethylhexyl)phthalate	49	0.19JB		0.22JB		0.22JB	
Butylbenzylphthalate	1100	ND		ND		ND	
Chrysene	9	0.4J		ND		ND	
Dibenz[a,h]anthracene	0.66	ND		ND		ND	
Dibenzofuran	NLE	ND		ND		ND	
Diethylphthalate	10000	ND		ND		ND	
Di-n-butylphthalate	5700	1.7B		1.6B		1.1JB	
Fluoranthene	2300	0.63J		ND		ND	
Fluorene	2300	ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	0.16J		ND		ND	
Naphthalene	230	ND		ND		ND	
n-Nitrosodiphenylamine	140	ND		ND		ND	
Phenanthrene	NLE	0.41J		ND		ND	
Pyrene	1700	0.65J		ND		ND	
Pesticides/PCBs (mg/kg)							
4,4'-DDD	3	ND		0.018		0.008	
4,4'-DDE	2	ND		0.014		0.005	
4,4'-DDT	2	0.057		0.079		0.026	
alpha-Chlordane	NLE	ND		ND		ND	
Dieldrin	0.042	ND		0.032		0.031	
gamma-Chlordane	NLE	ND		ND		ND	
Metals (mg/kg)							
Aluminum	NLE	15600		14800		8510	
Antimony	14	ND		ND		ND	
Arsenic	20	22.5		15.5		7.97	
Barium	700	31.6		30.2		17.6	
Beryllium	2	1.88		1.52		0.81	
Cadmium	39	0.526		0.562		0.34	
Calcium	NLE	1160		1540		2050	
Chromium	NLE	214		144		69.6	
Cobalt	NLE	1.43		2.42		2.2	
Copper	600	17.5		4.5		7.79	
Iron	NLE	46600		48200		27300	
Lead	400	25.1		9.06		7.95	
Magnesium	NLE	6440		4500		2250	
Manganese	NLE	49.1		32.1		42.2	
Mercury	14	0.061		ND		ND	
Nickel	250	6.05		8.02		6.32	
Potassium	NLE	14700		10800		4940	
Selenium	63	ND		ND		ND	
Silver	110	ND		ND		ND	
Sodium	NLE	87.8		120		59.9	
Thallium	2	ND		ND		ND	
Vanadium	370	94.7		81.4		41.6	
Zinc	1500	67.4		54.1		36	

NOTE: ND = Not Detected;
Shaded = Exceeds NJDEP Cleanup Criteria;
B = Detected in Blank; J = Estimated Result;
D = Diluted Sample; NLE = No Limit Established;
J = Compound Identified Below Detection Limit
Cleanup Criteria = Residential Direct Contact Soil Cleanup Criteria (RDCSCC) per N.J.A.C. 7:9-6;
mg/kg = milligrams per kilogram;
Results reported in ug/kg presented in mg/kg.

Table 4-2
Borings in Which Detections Exceeded Criteria
M-12 Landfill
Fort Monmouth, New Jersey

Boring ID	Analyte
SVOCs - 17 Borings	
B08	
	Benzo(a)anthracene
	Benzo(a)pyrene
	Benzo(b)fluoranthene
	Benzo(k)fluoranthene
	Indeno(1,2,3-cd)pyrene
B09	
	Benzo(a)pyrene
B21	
	Benzo(a)pyrene
B25	
	Benzo(a)anthracene
	Benzo(a)pyrene
	Benzo(b)fluoranthene
	Benzo(k)fluoranthene
B32	
	Benzo(a)pyrene
B33	
	Benzo(a)pyrene
B42	
	Benzo(a)pyrene
	Benzo(k)fluoranthene
B71	
	Benzo(a)anthracene
	Benzo(a)pyrene
	Benzo(b)fluoranthene
	Benzo(k)fluoranthene
B104	
	Benzo(a)anthracene
	Benzo(a)pyrene
	Benzo(b)fluoranthene
	Benzo(k)fluoranthene
	Dibenz(a,h)anthracene
	Indeno(1,2,3-cd)pyrene
B110	
	Benzo(a)anthracene
	Benzo(a)pyrene
	Benzo(b)fluoranthene
	Benzo(k)fluoranthene
	Indeno(1,2,3-cd)pyrene
B112	
	Benzo(a)pyrene
	Benzo(b)fluoranthene
	Benzo(k)fluoranthene

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-12 Landfill
Fort Monmouth, New Jersey

Boring ID	Analyte
B114	
	Benzo(a)anthracene
	Benzo(a)pyrene
	Benzo(b)fluoranthene
	Benzo(k)fluoranthene
	Dibenz(a,h)anthracene
	Indeno(1,2,3-cd)pyrene
B122	
	Benzo(a)anthracene
	Benzo(a)pyrene
	Benzo(b)fluoranthene
	Benzo(k)fluoranthene
	Chrysene
	Indeno(1,2,3-cd)pyrene
B126	
	Benzo(a)anthracene
	Benzo(a)pyrene
	Benzo(b)fluoranthene
	Benzo(k)fluoranthene
	Dibenz(a,h)anthracene
	Indeno(1,2,3-cd)pyrene
B127	
	Benzo(a)anthracene
	Benzo(a)pyrene
	Benzo(b)fluoranthene
	Benzo(k)fluoranthene
	Chrysene
	Dibenz(a,h)anthracene
	Indeno(1,2,3-cd)pyrene
B129	
	Benzo(a)anthracene
	Benzo(a)pyrene
	Benzo(k)fluoranthene
B131	
	Benzo(a)anthracene
	Benzo(a)pyrene
	Benzo(b)fluoranthene
	Benzo(k)fluoranthene
	Dibenz(a,h)anthracene
	Indeno(1,2,3-cd)pyrene
Metals - 53 Borings	
B01	
	Mercury
B09	
	Arsenic

Notes:
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VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds.
Pest/PCBs = Pesticides/Polychlorinated-Biphenyls.

Table 4-2
Borings in Which Detections Exceeded Criteria
M-12 Landfill
Fort Monmouth, New Jersey

Boring ID	Analyte
B21	
	Lead
B27	
	Arsenic
B29	
	Arsenic
B52	
	Arsenic
	Beryllium
B53	
	Beryllium
B54	
	Arsenic
	Beryllium
B57	
	Arsenic
B58	
	Arsenic
B64	
	Arsenic
	Beryllium
B65	
	Arsenic
	Beryllium
B66	
	Arsenic
	Beryllium
B70	
	Arsenic
	Beryllium
B71	
	Arsenic
B72	
	Arsenic
	Beryllium
B75	
	Arsenic
B77	
	Arsenic
	Beryllium
B78	
	Arsenic
B83	
	Arsenic
	Beryllium
B84	

Notes:
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Pest/PCBs = Pesticides/Polychlorinated-Biphenyls.

Table 4-2
Borings in Which Detections Exceeded Criteria
M-12 Landfill
Fort Monmouth, New Jersey

Boring ID	Analyte
	Arsenic
	Beryllium
B86	
	Arsenic
	Beryllium
B87	
	Arsenic
	Beryllium
B89	
	Arsenic
B92	
	Arsenic
B93	
	Arsenic
	Beryllium
B94	
	Arsenic
B95	
	Arsenic
B100	
	Arsenic
B101	
	Arsenic
B102	
	Arsenic
	Beryllium
B103	
	Arsenic
B107	
	Arsenic
	Beryllium
B108	
	Arsenic
B109	
	Arsenic
B114	
	Arsenic
B118	
	Arsenic
B122	
	Arsenic
	Beryllium
B123	
	Arsenic
B125	
	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-12 Landfill
Fort Monmouth, New Jersey

Boring ID	Analyte
	Beryllium
B127	
	Antimony
	Arsenic
B128	
	Arsenic
B130	
	Arsenic
B132	
	Arsenic
	Beryllium
B133	
	Arsenic
	Beryllium
B134	
	Arsenic
B135	
	Arsenic
	Lead
B137	
	Arsenic
	Beryllium
B139	
	Arsenic
	Lead
	Zinc
B141	
	Arsenic
B142	
	Arsenic
B145	
	Arsenic
	Beryllium
B146	
	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 4-3
Laboratory Analysis Exceedance Summary
M-12 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	11	1.2	B129	13	B127	4.76
Benzo(a)pyrene	0.66	mg/kg	17	0.74	B09	12	B127	3.45
Benzo(b)fluoranthene	0.9	mg/kg	11	1.1	B25	11	B127	4.27
Benzo(k)fluoranthene	0.9	mg/kg	13	0.99	B42	9.1	B127	3.54
Chrysene	9	mg/kg	2	11	B127	14	B122	12.50
Dibenz(a,h)anthracene	0.66	mg/kg	5	0.68	B114	2	B127	1.02
Indeno(1,2,3-cd)pyrene	0.9	mg/kg	8	0.96	B110	4.4	B127	2.21
Metals								
Antimony	14	mg/kg	1	16.7	B127	16.7	B127	16.70
Arsenic	20	mg/kg	50	20.1	B95	51.3	B64	27.13
Beryllium	2	mg/kg	22	2.01	B133	2.81	B107	2.30
Lead	400	mg/kg	3	404.4	B21	1090	B139	645.47
Mercury	14	mg/kg	1	29.909	B01	29.909	B01	29.91
Zinc	1500	mg/kg	1	6530	B139	6530	B139	6530.00

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.
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-12 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 not allowed due to exceedance of the ceiling limit of 10X (for criterion<10 ppm).
Benzo(a)anthracene	AREA SVOC-3	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(a)pyrene	AREA SVOC-2	0.66	mg/kg	Compliance averaging not allowed due to exceedance of 0.9 ppm limit for Benzo(a)pyrene.
Benzo(a)pyrene	AREA SVOC-3	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 not allowed due to exceedance of the ceiling limit of 10X (for criterion<10 ppm).
Benzo(b)fluoranthene	AREA SVOC-3	0.9	mg/kg	Compliance averaging used.
Benzo(k)fluoranthene	AREA SVOC-1	0.9	mg/kg	Compliance averaging used.
Benzo(k)fluoranthene	AREA SVOC-2	0.9	mg/kg	Compliance averaging used.
Benzo(k)fluoranthene	AREA SVOC-3	0.9	mg/kg	Compliance averaging used.
Chrysene	AREA SVOC-1	9	mg/kg	Compliance averaging used.
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.

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.
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-12 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Average Area	RDCSCC	Units	Compliance Analysis Decision
Indeno(1,2,3-cd)pyrene	AREA SVOC-3	0.9	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).
Arsenic	AREA METALS-2	20	mg/kg	Compliance averaging not allowed due to exceedance of RDCSCC and site-specific maximum (22.9 mg/kg, Weston-1995).
Beryllium	AREA METALS-1	2	mg/kg	Compliance averaging not allowed due to exceedance of 2 mg/kg limit for Beryllium.
Lead	AREA METALS-1	400	mg/kg	Compliance averaging not allowed due to exceedance of the ceiling limit of 2X (for criterion>100 ppm).
Lead	AREA METALS-2	400	mg/kg	Compliance averaging used.
Mercury	AREA METALS-2	14	mg/kg	Compliance averaging used.
Zinc	AREA METALS-1	1500	mg/kg	Compliance averaging not allowed due to exceedance of the ceiling limit of 2X (for criterion>100 ppm).

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.
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-12 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-3								
Benzo(a)anthracene	AREA SVOC-3	0.9	B08	3.D	mg/kg	yes			3
Benzo(a)anthracene	AREA SVOC-3	0.9	B09	0.64	mg/kg	no			0.64
Benzo(a)anthracene	AREA SVOC-3	0.9	B10	0.13	mg/kg	no			0.13
Benzo(a)anthracene	AREA SVOC-3	0.9	B21	ND	mg/kg	no	1.1		0.55
Benzo(a)anthracene	AREA SVOC-3	0.9	B22	0.088J	mg/kg	no			0.088
Benzo(a)anthracene	AREA SVOC-3	0.9	B23	0.54	mg/kg	no			0.54
Benzo(a)anthracene	AREA SVOC-3	0.9	B24	0.065J	mg/kg	no			0.065
Benzo(a)anthracene	AREA SVOC-3	0.9	B25	1.9	mg/kg	yes			1.9
						Compliance Average Result:			**0.864**
Benzo(b)fluoranthene									
	AREA SVOC-3								
Benzo(b)fluoranthene	AREA SVOC-3	0.9	B08	1.5D	mg/kg	yes			1.5
Benzo(b)fluoranthene	AREA SVOC-3	0.9	B09	0.61	mg/kg	no			0.61
Benzo(b)fluoranthene	AREA SVOC-3	0.9	B10	0.16	mg/kg	no			0.16
Benzo(b)fluoranthene	AREA SVOC-3	0.9	B21	ND	mg/kg	no	1.4		0.7
Benzo(b)fluoranthene	AREA SVOC-3	0.9	B22	0.060J	mg/kg	no			0.06
Benzo(b)fluoranthene	AREA SVOC-3	0.9	B23	0.49	mg/kg	no			0.49
Benzo(b)fluoranthene	AREA SVOC-3	0.9	B24	0.068J	mg/kg	no			0.068
Benzo(b)fluoranthene	AREA SVOC-3	0.9	B25	1.1	mg/kg	yes			1.1
						Compliance Average Result:			**0.586**
Benzo(k)fluoranthene									
	AREA SVOC-1								
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B63	0.12J	mg/kg	no			0.12
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B64	0.39J	mg/kg	no			0.39
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B70	ND	mg/kg	no	1.1		0.55
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B71	1.1	mg/kg	yes			1.1
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B75	0.43J	mg/kg	no			0.43
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B76	0.32J	mg/kg	no			0.32
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B77	ND	mg/kg	no	1.1		0.55
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B82	ND	mg/kg	no	1.2		0.6

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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-12 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	B83	ND	mg/kg	no	1.1		0.55
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B88	0.13J	mg/kg	no			0.13
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B89	ND	mg/kg	no	1.1		0.55
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B90	ND	mg/kg	no	1		0.5
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B96	0.66J	mg/kg	no			0.66
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B97	0.23J	mg/kg	no			0.23
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B98	ND	mg/kg	no	1.1		0.55
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B99	0.16J	mg/kg	no			0.16
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B103	0.21J	mg/kg	no			0.21
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B104	3	mg/kg	yes			3
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B105	0.45J	mg/kg	no			0.45
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B106	0.27J	mg/kg	no			0.27
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B107	ND	mg/kg	no	1.1		0.55
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B109	ND	mg/kg	no	1.2		0.6
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B110	2.2	mg/kg	yes			2.2
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B111	0.32J	mg/kg	no			0.32
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B112	1.3	mg/kg	yes			1.3
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B113	ND	mg/kg	no	1.1		0.55
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B114	2.8	mg/kg	yes			2.8
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B115	0.29J	mg/kg	no			0.29
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B116	0.32J	mg/kg	no			0.32
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B117	0.27J	mg/kg	no			0.27
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B118	ND	mg/kg	no	1.2		0.6
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B119	ND	mg/kg	no	5	5	
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B120	0.18J	mg/kg	no			0.18
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B121	ND	mg/kg	no	1.1		0.55
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B122	8.5JD	mg/kg	yes			8.5
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B123	ND	mg/kg	no	1.1		0.55
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B124	0.1J	mg/kg	no			0.1
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B125	0.2J	mg/kg	no			0.2
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B126	3.3JD	mg/kg	yes			3.3
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B127	9.1	mg/kg	yes			9.1
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B128	ND	mg/kg	no	5.3	5	
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B129	1.0J	mg/kg	yes			1
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B131	8.D	mg/kg	yes			8
						Compliance Average Result:			**1.283**
	AREA SVOC-2								
Benzo(k)fluoranthene	AREA SVOC-2	0.9	B31	0.18J	mg/kg	no			0.18
Benzo(k)fluoranthene	AREA SVOC-2	0.9	B32	0.58	mg/kg	no			0.58
Benzo(k)fluoranthene	AREA SVOC-2	0.9	B33	0.75	mg/kg	no			0.75

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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-2	0.9	B34	0.59	mg/kg	no			0.59
Benzo(k)fluoranthene	AREA SVOC-2	0.9	B41	0.21	mg/kg	no			0.21
Benzo(k)fluoranthene	AREA SVOC-2	0.9	B42	0.99	mg/kg	yes			0.99
Benzo(k)fluoranthene	AREA SVOC-2	0.9	B43	0.67	mg/kg	no			0.67
						Compliance Average Result:			**0.567**
	AREA SVOC-3								
Benzo(k)fluoranthene	AREA SVOC-3	0.9	B08	2.8D	mg/kg	yes			2.8
Benzo(k)fluoranthene	AREA SVOC-3	0.9	B09	0.65	mg/kg	no			0.65
Benzo(k)fluoranthene	AREA SVOC-3	0.9	B10	0.3	mg/kg	no			0.3
Benzo(k)fluoranthene	AREA SVOC-3	0.9	B21	ND	mg/kg	no	1		0.5
Benzo(k)fluoranthene	AREA SVOC-3	0.9	B22	0.1J	mg/kg	no			0.1
Benzo(k)fluoranthene	AREA SVOC-3	0.9	B23	0.42	mg/kg	no			0.42
Benzo(k)fluoranthene	AREA SVOC-3	0.9	B24	0.081J	mg/kg	no			0.081
Benzo(k)fluoranthene	AREA SVOC-3	0.9	B25	1.9	mg/kg	yes			1.9
						Compliance Average Result:			**0.844**
Chrysene									
	AREA SVOC-1								
Chrysene	AREA SVOC-1	9	B63	0.16J	mg/kg	no			0.16
Chrysene	AREA SVOC-1	9	B64	0.78J	mg/kg	no			0.78
Chrysene	AREA SVOC-1	9	B70	ND	mg/kg	no	1.1		0.55
Chrysene	AREA SVOC-1	9	B71	1.4	mg/kg	no			1.4
Chrysene	AREA SVOC-1	9	B75	0.5J	mg/kg	no			0.5
Chrysene	AREA SVOC-1	9	B76	0.3J	mg/kg	no			0.3
Chrysene	AREA SVOC-1	9	B77	ND	mg/kg	no	1.1		0.55
Chrysene	AREA SVOC-1	9	B82	ND	mg/kg	no	1.2		0.6
Chrysene	AREA SVOC-1	9	B83	ND	mg/kg	no	1.1		0.55
Chrysene	AREA SVOC-1	9	B88	0.19J	mg/kg	no			0.19
Chrysene	AREA SVOC-1	9	B89	ND	mg/kg	no	1.1		0.55
Chrysene	AREA SVOC-1	9	B90	ND	mg/kg	no	1		0.5
Chrysene	AREA SVOC-1	9	B96	1.1J	mg/kg	no			1.1
Chrysene	AREA SVOC-1	9	B97	0.27J	mg/kg	no			0.27
Chrysene	AREA SVOC-1	9	B98	0.13J	mg/kg	no			0.13
Chrysene	AREA SVOC-1	9	B99	0.23J	mg/kg	no			0.23
Chrysene	AREA SVOC-1	9	B103	0.26J	mg/kg	no			0.26
Chrysene	AREA SVOC-1	9	B104	2.6	mg/kg	no			2.6
Chrysene	AREA SVOC-1	9	B105	0.66J	mg/kg	no			0.66
Chrysene	AREA SVOC-1	9	B106	0.35J	mg/kg	no			0.35

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M-12 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Area	RDCSCC	Boring ID	Result	Units	Exceeds Criteria	MDL	Dilution Factor	Result Used for Average
Chrysene	AREA SVOC-1	9	B107	ND	mg/kg	no	1.1		0.55
Chrysene	AREA SVOC-1	9	B109	ND	mg/kg	no	1.2		0.6
Chrysene	AREA SVOC-1	9	B110	1.9	mg/kg	no			1.9
Chrysene	AREA SVOC-1	9	B111	0.5J	mg/kg	no			0.5
Chrysene	AREA SVOC-1	9	B112	1.8	mg/kg	no			1.8
Chrysene	AREA SVOC-1	9	B113	ND	mg/kg	no	1.1		0.55
Chrysene	AREA SVOC-1	9	B114	3.9	mg/kg	no			3.9
Chrysene	AREA SVOC-1	9	B115	0.4J	mg/kg	no			0.4
Chrysene	AREA SVOC-1	9	B116	0.41J	mg/kg	no			0.41
Chrysene	AREA SVOC-1	9	B117	0.37J	mg/kg	no			0.37
Chrysene	AREA SVOC-1	9	B118	ND	mg/kg	no	1.2		0.6
Chrysene	AREA SVOC-1	9	B119	ND	mg/kg	no	5	5	
Chrysene	AREA SVOC-1	9	B120	0.31J	mg/kg	no			0.31
Chrysene	AREA SVOC-1	9	B121	ND	mg/kg	no	1.1		0.55
Chrysene	AREA SVOC-1	9	B122	14.D	mg/kg	yes			14
Chrysene	AREA SVOC-1	9	B123	0.14J	mg/kg	no	1.1		0.14
Chrysene	AREA SVOC-1	9	B124	0.18J	mg/kg	no			0.18
Chrysene	AREA SVOC-1	9	B125	0.24J	mg/kg	no			0.24
Chrysene	AREA SVOC-1	9	B126	7.2D	mg/kg	no			7.2
Chrysene	AREA SVOC-1	9	B127	11	mg/kg	yes			11
Chrysene	AREA SVOC-1	9	B128	ND	mg/kg	no	5.3	5	
Chrysene	AREA SVOC-1	9	B129	1.4J	mg/kg	no			1.4
Chrysene	AREA SVOC-1	9	B131	8.5D	mg/kg	no			8.5
						Compliance Average Result:			**1.642**

Dibenz(a,h)anthracene

AREA SVOC-1

Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B63	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B64	ND	mg/kg	no	1.2		0.6
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B70	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B71	0.18J	mg/kg	no			0.18
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B75	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B76	ND	mg/kg	no	1		0.5
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B77	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B82	ND	mg/kg	no	1.2		0.6
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B83	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B88	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B89	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B90	ND	mg/kg	no	1		0.5

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M-12 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	B96	ND	mg/kg	no	1.2		0.6
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B97	ND	mg/kg	no	1.2		0.6
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B98	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B99	ND	mg/kg	no	1		0.5
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B103	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B104	0.73J	mg/kg	yes			0.73
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B105	ND	mg/kg	no	1		0.5
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B106	ND	mg/kg	no	1.2		0.6
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B107	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B109	ND	mg/kg	no	1.2		0.6
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B110	0.35J	mg/kg	no			0.35
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B111	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B112	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B113	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B114	0.68J	mg/kg	yes			0.68
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B115	ND	mg/kg	no	1		0.5
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B116	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B117	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B118	ND	mg/kg	no	1.2		0.6
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B119	ND	mg/kg	no	5	5	
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B120	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B121	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B122	ND	mg/kg	no	12		6
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B123	ND	mg/kg	no	1.1		0.55
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B124	ND	mg/kg	no	1		0.5
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B125	ND	mg/kg	no	1.2		0.6
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B126	0.78JD	mg/kg	yes			0.78
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B127	2	mg/kg	yes			2
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B128	ND	mg/kg	no	5.3	5	
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B129	0.16J	mg/kg	no			0.16
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	B131	0.92JD	mg/kg	yes			0.92
						Compliance Average Result:			**0.720**

Indeno(1,2,3-cd)pyrene

AREA SVOC-1

Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B63	ND	mg/kg	no	1.1		0.55
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B64	0.21J	mg/kg	no			0.21
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B70	ND	mg/kg	no	1.1		0.55
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B71	0.62J	mg/kg	no			0.62

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Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B75	0.23J	mg/kg	no			0.23
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B76	0.17J	mg/kg	no			0.17
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B77	ND	mg/kg	no	1.1		0.55
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B82	ND	mg/kg	no	1.2		0.6
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B83	ND	mg/kg	no	1.1		0.55
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B88	ND	mg/kg	no	1.1		0.55
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B89	ND	mg/kg	no	1.1		0.55
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B90	ND	mg/kg	no	1		0.5
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B96	0.17J	mg/kg	no			0.17
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B97	0.19J	mg/kg	no			0.19
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B98	ND	mg/kg	no	1.1		0.55
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B99	ND	mg/kg	no	1		0.5
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B103	0.12J	mg/kg	no			0.12
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B104	1.9	mg/kg	yes			1.9
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B105	0.24J	mg/kg	no			0.24
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B106	ND	mg/kg	no	1.2		0.6
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B107	ND	mg/kg	no	1.1		0.55
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B109	ND	mg/kg	no	1.2		0.6
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B110	0.96J	mg/kg	yes			0.96
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B111	0.2J	mg/kg	no			0.2
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B112	0.45J	mg/kg	no			0.45
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B113	ND	mg/kg	no	1.1		0.55
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B114	1.7	mg/kg	yes			1.7
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B115	0.16J	mg/kg	no			0.16
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B116	ND	mg/kg	no	1.1		0.55
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B117	0.13J	mg/kg	no			0.13
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B118	ND	mg/kg	no	1.2		0.6
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B119	ND	mg/kg	no	5	5	
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B120	ND	mg/kg	no	1.1		0.55
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B121	ND	mg/kg	no	1.1		0.55
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B122	2.7JD	mg/kg	yes			2.7
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B123	ND	mg/kg	no	1.1		0.55
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B124	ND	mg/kg	no	1		0.5
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B125	ND	mg/kg	no	1.2		0.6
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B126	1.8JD	mg/kg	yes			1.8
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B127	4.4	mg/kg	yes			4.4
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B128	ND	mg/kg	no	5.3	5	
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B129	0.58J	mg/kg	no			0.58
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	B131	3.JD	mg/kg	yes			3
						Compliance Average Result:			**0.770**

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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-12 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Area	RDCSCC	Boring ID	Result	Units	Exceeds Criteria	MDL	Dilution Factor	Result Used for Average
	AREA SVOC-3								
Indeno(1,2,3-cd)pyrene	AREA SVOC-3	0.9	B08	1.2D	mg/kg	yes			1.2
Indeno(1,2,3-cd)pyrene	AREA SVOC-3	0.9	B09	0.37	mg/kg	no			0.37
Indeno(1,2,3-cd)pyrene	AREA SVOC-3	0.9	B10	0.16	mg/kg	no			0.16
Indeno(1,2,3-cd)pyrene	AREA SVOC-3	0.9	B21	ND	mg/kg	no	1.2		0.6
Indeno(1,2,3-cd)pyrene	AREA SVOC-3	0.9	B22	ND	mg/kg	no	0.11		0.055
Indeno(1,2,3-cd)pyrene	AREA SVOC-3	0.9	B23	0.33	mg/kg	no			0.33
Indeno(1,2,3-cd)pyrene	AREA SVOC-3	0.9	B24	ND	mg/kg	no	0.12		0.06
Indeno(1,2,3-cd)pyrene	AREA SVOC-3	0.9	B25	0.89	mg/kg	no			0.89
						Compliance Average Result:			**0.458**

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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-12 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	B52	ND	mg/kg	no	0.446		0.223
Antimony	AREA METALS-1	14	B53	ND	mg/kg	no	0.413		0.2065
Antimony	AREA METALS-1	14	B54	1.12	mg/kg	no			1.12
Antimony	AREA METALS-1	14	B57	ND	mg/kg	no	0.507		0.2535
Antimony	AREA METALS-1	14	B58	ND	mg/kg	no	0.402		0.201
Antimony	AREA METALS-1	14	B59	ND	mg/kg	no	0.457		0.2285
Antimony	AREA METALS-1	14	B64	ND	mg/kg	no	0.534		0.267
Antimony	AREA METALS-1	14	B65	ND	mg/kg	no	0.529		0.2645
Antimony	AREA METALS-1	14	B66	ND	mg/kg	no	0.523		0.2615
Antimony	AREA METALS-1	14	B70	ND	mg/kg	no	0.485		0.2425
Antimony	AREA METALS-1	14	B71	ND	mg/kg	no	0.471		0.2355
Antimony	AREA METALS-1	14	B72	ND	mg/kg	no	0.493		0.2465
Antimony	AREA METALS-1	14	B73	ND	mg/kg	no	0.415		0.2075
Antimony	AREA METALS-1	14	B75	ND	mg/kg	no	0.483		0.2415
Antimony	AREA METALS-1	14	B76	ND	mg/kg	no	0.437		0.2185
Antimony	AREA METALS-1	14	B77	ND	mg/kg	no	0.496		0.248
Antimony	AREA METALS-1	14	B78	ND	mg/kg	no	0.452		0.226
Antimony	AREA METALS-1	14	B79	ND	mg/kg	no	0.451		0.2255
Antimony	AREA METALS-1	14	B81	ND	mg/kg	no	0.534		0.267
Antimony	AREA METALS-1	14	B82	ND	mg/kg	no	0.548		0.274
Antimony	AREA METALS-1	14	B83	ND	mg/kg	no	0.449		0.2245
Antimony	AREA METALS-1	14	B84	ND	mg/kg	no	0.507		0.2535
Antimony	AREA METALS-1	14	B85	ND	mg/kg	no	0.454		0.227
Antimony	AREA METALS-1	14	B86	ND	mg/kg	no	0.498		0.249
Antimony	AREA METALS-1	14	B87	ND	mg/kg	no	0.462		0.231
Antimony	AREA METALS-1	14	B88	ND	mg/kg	no	0.464		0.232
Antimony	AREA METALS-1	14	B89	ND	mg/kg	no	0.493		0.2465
Antimony	AREA METALS-1	14	B90	ND	mg/kg	no	0.46		0.23
Antimony	AREA METALS-1	14	B91	ND	mg/kg	no	0.477		0.2385
Antimony	AREA METALS-1	14	B92	ND	mg/kg	no	0.51		0.255
Antimony	AREA METALS-1	14	B93	ND	mg/kg	no	0.529		0.2645
Antimony	AREA METALS-1	14	B94	ND	mg/kg	no	0.455		0.2275
Antimony	AREA METALS-1	14	B95	ND	mg/kg	no	0.414		0.207
Antimony	AREA METALS-1	14	B96	1.88	mg/kg	no			1.88
Antimony	AREA METALS-1	14	B97	ND	mg/kg	no	0.413		0.2065

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Table 4-5
Compliance Averaging Results
M-12 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	B98	ND	mg/kg	no	0.334		0.167
Antimony	AREA METALS-1	14	B99	ND	mg/kg	no	0.42		0.21
Antimony	AREA METALS-1	14	B100	ND	mg/kg	no	0.446		0.223
Antimony	AREA METALS-1	14	B101	0.455	mg/kg	no			0.455
Antimony	AREA METALS-1	14	B102	ND	mg/kg	no	0.463		0.2315
Antimony	AREA METALS-1	14	B103	0.461	mg/kg	no			0.461
Antimony	AREA METALS-1	14	B104	ND	mg/kg	no	0.431		0.2155
Antimony	AREA METALS-1	14	B105	ND	mg/kg	no	0.416		0.208
Antimony	AREA METALS-1	14	B106	ND	mg/kg	no	0.461		0.2305
Antimony	AREA METALS-1	14	B107	ND	mg/kg	no	0.456		0.228
Antimony	AREA METALS-1	14	B108	ND	mg/kg	no	0.448		0.224
Antimony	AREA METALS-1	14	B109	ND	mg/kg	no	0.431		0.2155
Antimony	AREA METALS-1	14	B110	ND	mg/kg	no	0.384		0.192
Antimony	AREA METALS-1	14	B111	ND	mg/kg	no	0.431		0.2155
Antimony	AREA METALS-1	14	B112	ND	mg/kg	no	0.486		0.243
Antimony	AREA METALS-1	14	B113	ND	mg/kg	no	0.467		0.2335
Antimony	AREA METALS-1	14	B114	ND	mg/kg	no	0.499		0.2495
Antimony	AREA METALS-1	14	B115	ND	mg/kg	no	0.434		0.217
Antimony	AREA METALS-1	14	B116	ND	mg/kg	no	0.453		0.2265
Antimony	AREA METALS-1	14	B117	ND	mg/kg	no	0.438		0.219
Antimony	AREA METALS-1	14	B118	ND	mg/kg	no	0.463		0.2315
Antimony	AREA METALS-1	14	B119	0.571	mg/kg	no			0.571
Antimony	AREA METALS-1	14	B120	ND	mg/kg	no	0.424		0.212
Antimony	AREA METALS-1	14	B121	ND	mg/kg	no	0.456		0.228
Antimony	AREA METALS-1	14	B122	ND	mg/kg	no	0.488		0.244
Antimony	AREA METALS-1	14	B123	ND	mg/kg	no	0.358		0.179
Antimony	AREA METALS-1	14	B124	ND	mg/kg	no	0.367		0.1835
Antimony	AREA METALS-1	14	B125	ND	mg/kg	no	0.498		0.249
Antimony	AREA METALS-1	14	B126	ND	mg/kg	no	0.47		0.235
Antimony	AREA METALS-1	14	B127	16.7	mg/kg	yes			16.7
Antimony	AREA METALS-1	14	B128	ND	mg/kg	no	0.446		0.223
Antimony	AREA METALS-1	14	B129	ND	mg/kg	no	0.413		0.2065
Antimony	AREA METALS-1	14	B130	ND	mg/kg	no	0.478		0.239
Antimony	AREA METALS-1	14	B132	ND	mg/kg	no	0.444		0.222
Antimony	AREA METALS-1	14	B133	ND	mg/kg	no	0.463		0.2315
Antimony	AREA METALS-1	14	B134	ND	mg/kg	no	0.474		0.237
Antimony	AREA METALS-1	14	B135	ND	mg/kg	no	0.488		0.244
Antimony	AREA METALS-1	14	B137	ND	mg/kg	no	0.48		0.24
Antimony	AREA METALS-1	14	B138	ND	mg/kg	no	0.368		0.184
Antimony	AREA METALS-1	14	B139	1.68	mg/kg	no			1.68
Antimony	AREA METALS-1	14	B141	ND	mg/kg	no	0.449		0.2245

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Table 4-5
Compliance Averaging Results
M-12 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	B142	ND	mg/kg	no	0.529		0.2645
Antimony	AREA METALS-1	14	B143	ND	mg/kg	no	0.412		0.206
Antimony	AREA METALS-1	14	B145	ND	mg/kg	no	0.487		0.2435
Antimony	AREA METALS-1	14	B146	ND	mg/kg	no	0.415		0.2075
Antimony	AREA METALS-1	14	B147	ND	mg/kg	no	0.363		0.1815
Antimony	AREA METALS-1	14	B148	ND	mg/kg	no	0.442		0.221
						Compliance Average Result:			**0.488**
Lead									
	AREA METALS-2								
Lead	AREA METALS-2	400	B01	52.03	mg/kg	no			52.03
Lead	AREA METALS-2	400	B02	53.54	mg/kg	no			53.54
Lead	AREA METALS-2	400	B03	65.37	mg/kg	no			65.37
Lead	AREA METALS-2	400	B04	33.97	mg/kg	no			33.97
Lead	AREA METALS-2	400	B05	32.95	mg/kg	no			32.95
Lead	AREA METALS-2	400	B07	77.75	mg/kg	no			77.75
Lead	AREA METALS-2	400	B08	84.35	mg/kg	no			84.35
Lead	AREA METALS-2	400	B09	123.5	mg/kg	no			123.5
Lead	AREA METALS-2	400	B15	21.63	mg/kg	no			21.63
Lead	AREA METALS-2	400	B16	75.93	mg/kg	no			75.93
Lead	AREA METALS-2	400	B17	83.68	mg/kg	no			83.68
Lead	AREA METALS-2	400	B18	4.709	mg/kg	no			4.709
Lead	AREA METALS-2	400	B19	149.2	mg/kg	no			149.2
Lead	AREA METALS-2	400	B20	9.944	mg/kg	no			9.944
Lead	AREA METALS-2	400	B20	9.944	mg/kg	no			9.944
Lead	AREA METALS-2	400	B21	404.4	mg/kg	yes			404.4
Lead	AREA METALS-2	400	B22	22.43	mg/kg	no			22.43
						Compliance Average Result:			**76.784**
Mercury									
	AREA METALS-2								
Mercury	AREA METALS-2	14	B01	29.909	mg/kg	yes			29.909
Mercury	AREA METALS-2	14	B02	0.39	mg/kg	no			0.39
Mercury	AREA METALS-2	14	B03	0.21	mg/kg	no			0.21
Mercury	AREA METALS-2	14	B04	0.051	mg/kg	no			0.051
Mercury	AREA METALS-2	14	B05	0.05	mg/kg	no			0.05
Mercury	AREA METALS-2	14	B07	0.234	mg/kg	no			0.234
Mercury	AREA METALS-2	14	B08	0.012	mg/kg	no			0.012

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Table 4-5
Compliance Averaging Results
M-12 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Area	RDCSCC	Boring ID	Result	Units	Exceeds Criteria	MDL	Dilution Factor	Result Used for Average
Mercury	AREA METALS-2	14	B09	1.461	mg/kg	no			1.461
Mercury	AREA METALS-2	14	B15	0.045	mg/kg	no			0.045
Mercury	AREA METALS-2	14	B16	0.258	mg/kg	no			0.258
Mercury	AREA METALS-2	14	B17	0.021	mg/kg	no			0.021
Mercury	AREA METALS-2	14	B18	0.017	mg/kg	no			0.017
Mercury	AREA METALS-2	14	B19	0.138	mg/kg	no			0.138
Mercury	AREA METALS-2	14	B20	0.058	mg/kg	no			0.058
Mercury	AREA METALS-2	14	B20	0.058	mg/kg	no			0.058
Mercury	AREA METALS-2	14	B21	0.493	mg/kg	no			0.493
Mercury	AREA METALS-2	14	B22	0.683	mg/kg	no			0.683
						Compliance Average Result:			**2.005**

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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 4-6
Compliance Analysis Results Summary
M-12 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	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(a)anthracene	AREA SVOC-3	0.9	mg/kg	Yes	0.864	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(a)pyrene	AREA SVOC-2	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(a)pyrene	AREA SVOC-3	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	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-3	0.9	mg/kg	Yes	0.586	Compliance average below RDCSCC. No Further Action is warranted.

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Pest/PCBs = Pesticides/Polychlorinated-Biphenyls.
DER = Declaration of Environmental Restriction.

Table 4-6
Compliance Analysis Results Summary
M-12 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Average Area	RDCSCC	Units	Compliance Averaging Performed	Compliance Average Result	Compliance Analysis Result
Benzo(k)fluoranthene	AREA SVOC-1	0.9	mg/kg	Yes	1.283	Compliance average marginally above RDCSCC (within 1 to 2 mg/kg). No Further Action is warranted.
Benzo(k)fluoranthene	AREA SVOC-2	0.9	mg/kg	Yes	0.567	Compliance average below RDCSCC. No Further Action is warranted.
Benzo(k)fluoranthene	AREA SVOC-3	0.9	mg/kg	Yes	0.844	Compliance average below RDCSCC. No Further Action is warranted.
Chrysene	AREA SVOC-1	9	mg/kg	Yes	1.642	Compliance average below RDCSCC. No Further Action is warranted.
Dibenz(a,h)anthracene	AREA SVOC-1	0.66	mg/kg	Yes	0.720	Compliance average marginally above RDCSCC (within 1 to 2 mg/kg). No Further Action is warranted.
Indeno(1,2,3-cd)pyrene	AREA SVOC-1	0.9	mg/kg	Yes	0.770	Compliance average below RDCSCC. No Further Action is warranted.
Indeno(1,2,3-cd)pyrene	AREA SVOC-3	0.9	mg/kg	Yes	0.458	Compliance average below RDCSCC. No Further Action is warranted.

Notes:
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DER = Declaration of Environmental Restriction.

Table 4-6
Compliance Analysis Results Summary
M-12 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	0.488	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.
Arsenic	AREA METALS-2	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.
Lead	AREA METALS-1	400	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.
Lead	AREA METALS-2	400	mg/kg	Yes	76.784	Compliance average below RDCSCC. No Further Action is warranted.
Mercury	AREA METALS-2	14	mg/kg	Yes	2.005	Compliance average below RDCSCC. No Further Action is warranted.

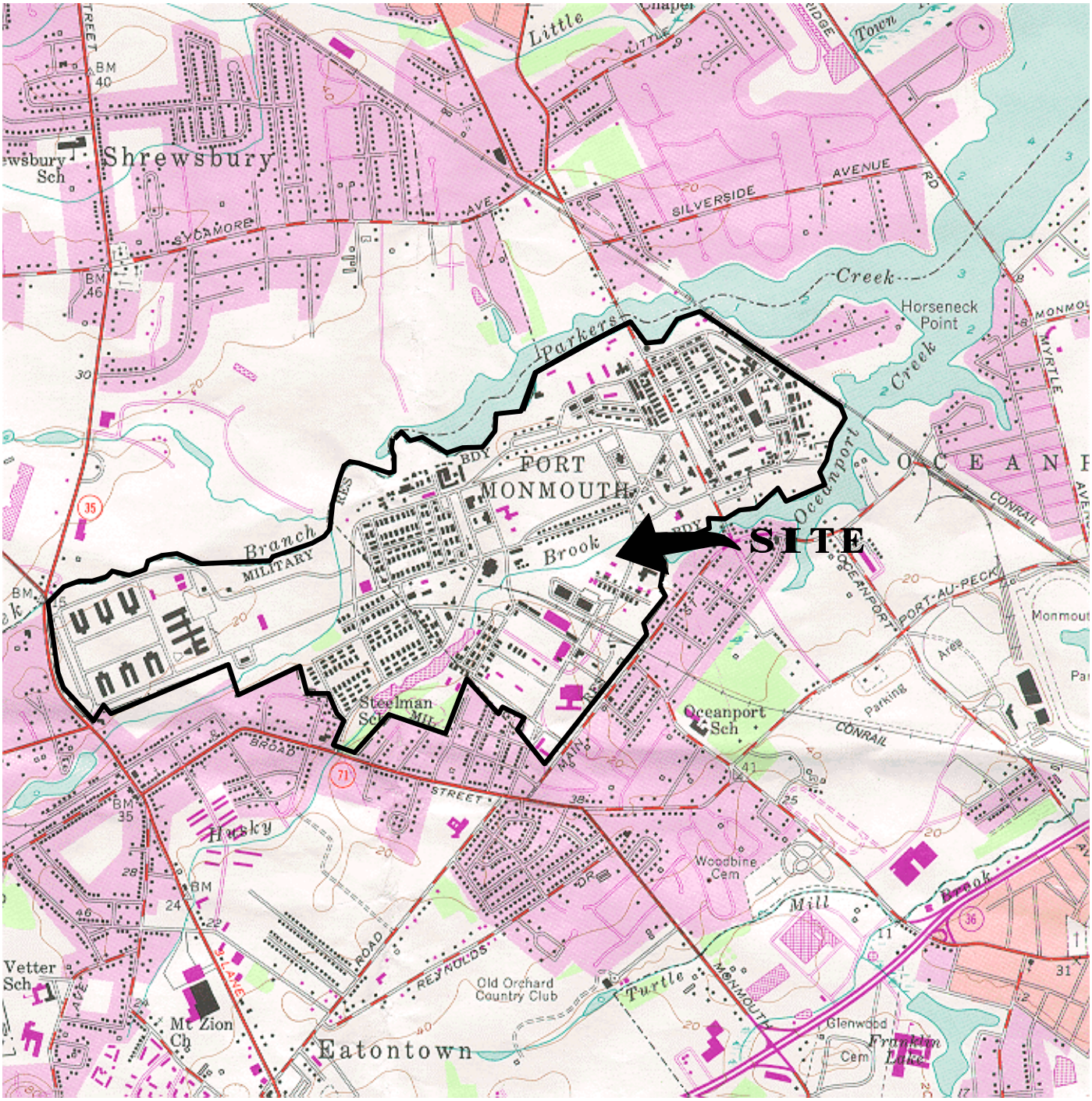
Notes:
RDCSCC = Residential Direct Contact Cleanup Criteria pre N.J.A.C. 7:26D.
VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds.
Pest/PCBs = Pesticides/Polychlorinated-Biphenyls.
DER = Declaration of Environmental Restriction.

Table 4-6
Compliance Analysis Results Summary
M-12 Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Average Area	RDCSCC	Units	Compliance Averaging Performed	Compliance Average Result	Compliance Analysis Result
Zinc	AREA METALS-1	1500	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



LONG BRANCH, N. J.

40073-C8-TF-024

1954

PHOTOREVISED 1981

DMA 6164 I SE-SERIES V822

QUADRANGLE LOCATION

Mapped, edited and published by the Geological Survey

Figure 2-1
Site Location Map
M-12 Landfill
Fort Monmouth, New Jersey

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

Geologic Map of New Jersey

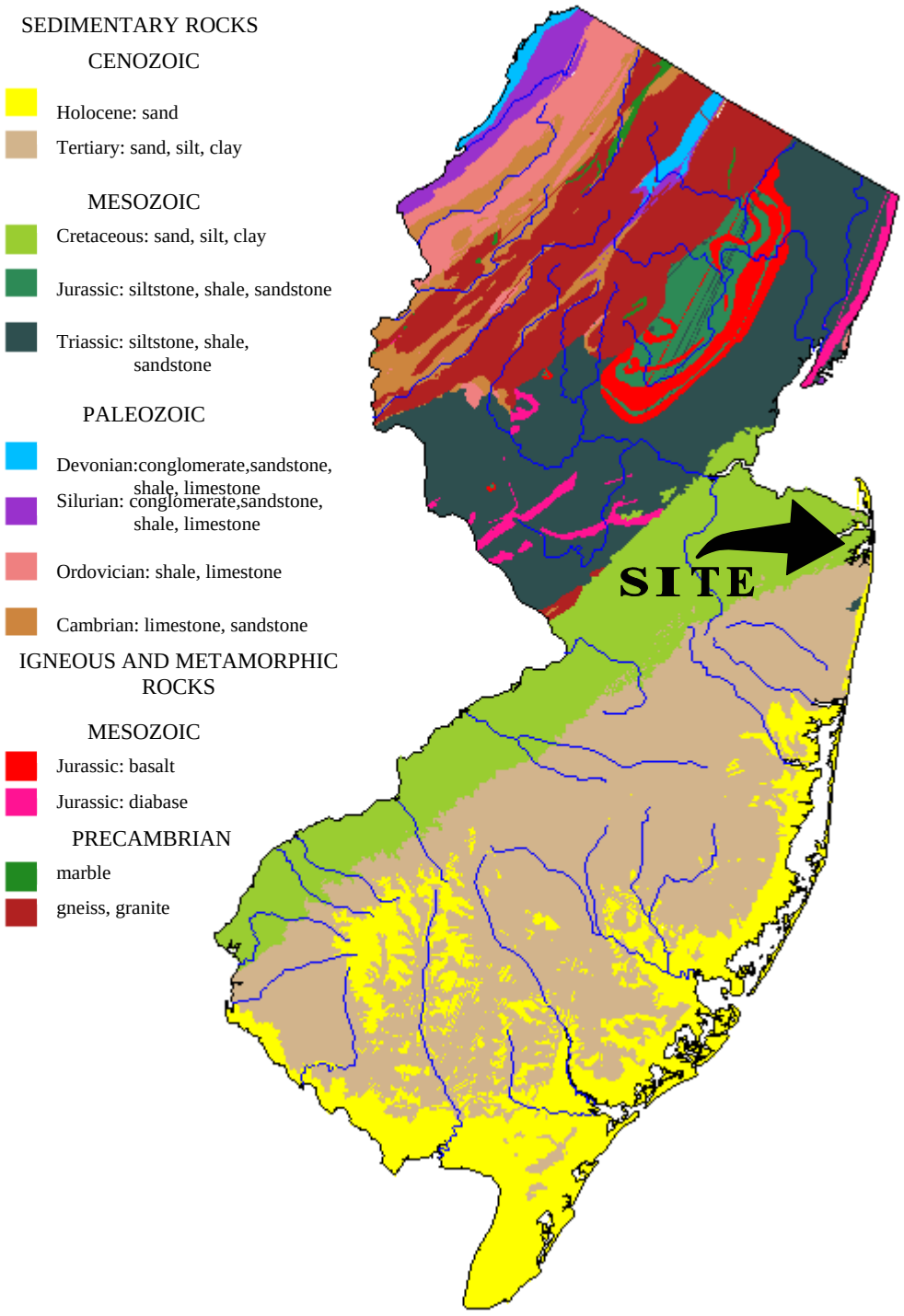
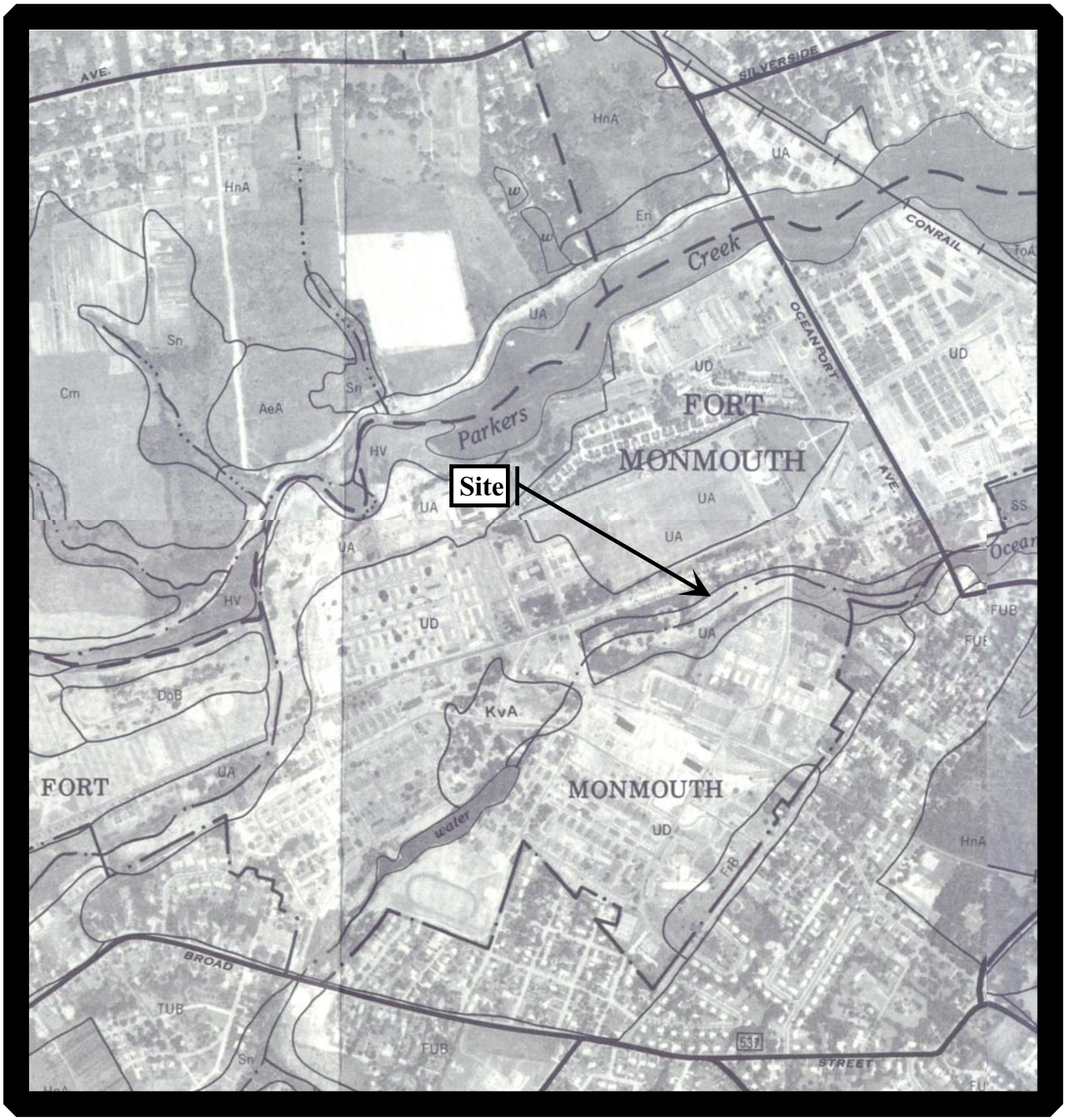


Figure 2-2
Geologic Map of New Jersey
M-12 Landfill
Fort Monmouth, New Jersey

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-12 Landfill
Fort Monmouth, New Jersey

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Horsham, PA 19044
(215) 957-0955

N

SALTZMAN AVENUE

GOSSELIN AVENUE

MURPHY DRIVE

COURIER AVENUE

M12 LANDFILL BOUNDARIES

B01 B02 B03 B04 B05 B06 B07 B08 B09 B10 B11 B12 B13 B14 B15 B16 B17 B18 B19 B20 B21 B22 B23 B24 B25 B26 B27 B28 B29 B30 B31 B32 B33 B34 B35 B36 B37 B38 B39 B40 B41 B42 B43 B44 B45 B46 B47 B48 B49 B50 B51 B52 B53 B54 B55 B56 B57 B58 B59 B60 B61 B62 B63 B64 B65 B66 B67 B68 B69 B70 B71 B72 B73 B74 B75 B76 B77 B78 B79 B80 B81 B82 B83 B84 B85 B86 B87 B88 B89 B90 B91 B92 B93 B94 B95 B96 B97 B98 B99 B100 B101 B102 B103 B104 B105 B106 B107 B108 B109 B110 B111 B112 B113 B114 B115 B116 B117 B118 B119 B120 B121 B122 B123 B124 B125 B126 B127 B128 B129 B130 B131 B132 B133 B134 B135 B136 B137 B138 B139 B140 B141 B142 B143 B144 B145 B146 B147 B148

246 248 335 239 237 241 332 243 245 247 250 252 254 256 258 249 251 253 255 333 334

I-905 I-906 I-907 I-908 I-909 I-910 I-911 I-912 I-913 I-914 I-915 952 978 979 975 976 949

LEGEND

NOTES:

1.) LOCATIONS WERE POSITIONED ON THIS MAP USING GPS COORDINATES TAKED BY TVS.

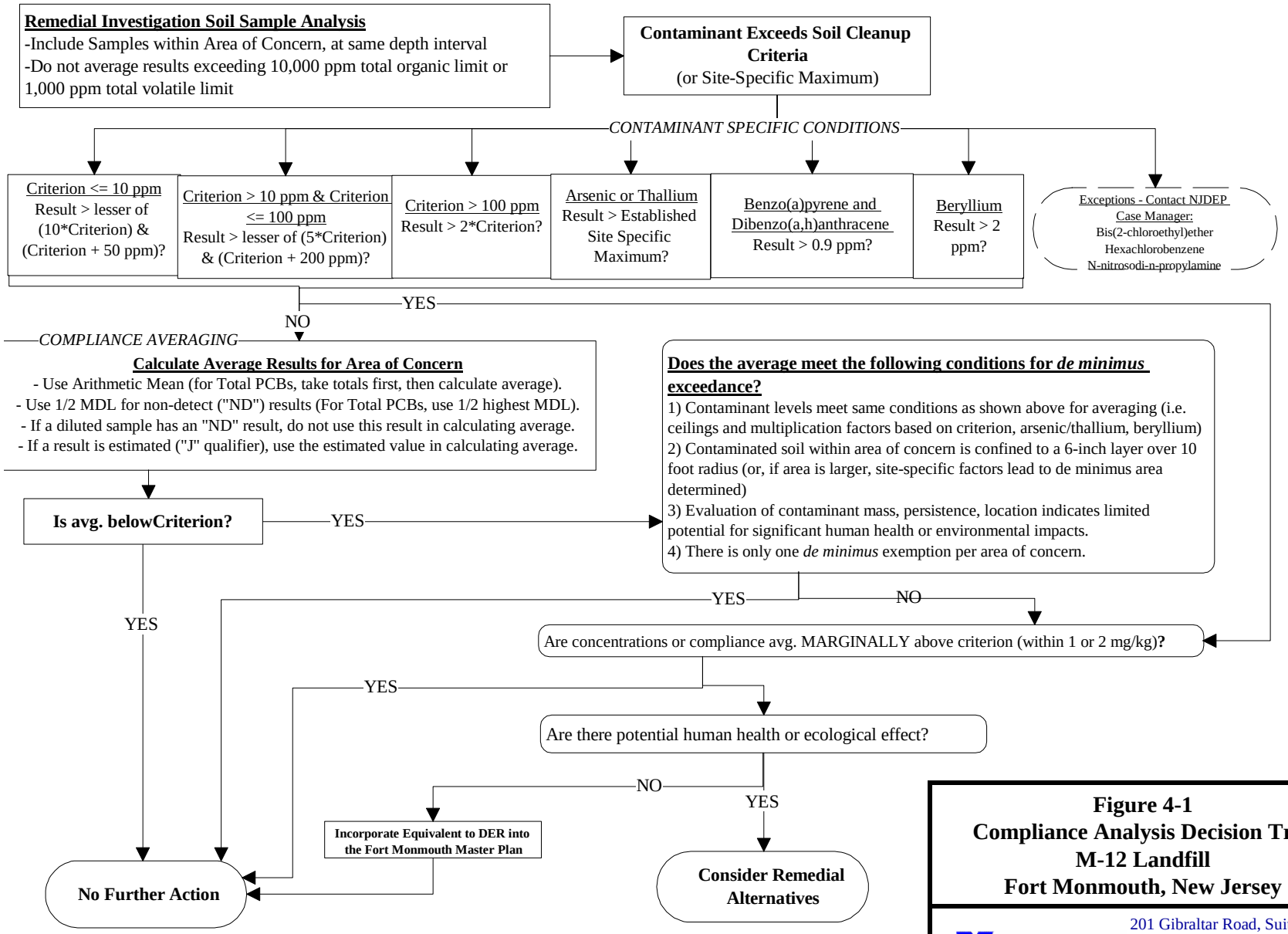
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 3-1
SOIL BORING LOCATION MAP
M-12 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY:	DATE DRAWN:
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: M12-SBLM
	FILE No.: M12-SBLM
	SCALE: 1" = 50'
	SHEET OF REV.: B

Vet-Sal INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955



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

Figure 4-1
Compliance Analysis Decision Tree
M-12 Landfill
Fort Monmouth, New Jersey

Versar INC.
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Horsham, PA 19044
(215) 957-0955

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)
CHRYSENE	9 (mg/kg)
DIBENZ[A,H]ANTHRACENE	0.66 (mg/kg)
INDENO[1,2,3-CD]PYRENE	0.9 (mg/kg)

NOTES:

1.) SOIL SAMPLES WERE COLLECTED FROM A DEPTH OF APPROXIMATELY 0-6" OR 6-12" FOR THE ANALYTES PRESENTED. SAMPLING TOOK PLACE FROM MARCH 1998 TO SEPTEMBER 1999.
2.) [ ] = EXCEEDS NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA (RDCSCC).
3.) THIS MAP PRESENTS DATA FOR THOSE ANALYTES THAT EXCEEDED THE RDCSCC IN AT LEAST ONE SOIL BORING.
4.) ND = NOT DETECTED.
5.) LOCATION OF BORING 123 IS ESTIMATED.

REV.	REVISIONS	APPROVED	DATE	DRAWN BY
B	REVIEW EDITS		10 JUNE 02	TJW

TITLE:

FIGURE 4-2
SEMI-VOLATILES CONTAMINANT MAP
M-12 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJW	DATE DRAWN: 01 AUG 02
CHECKED BY: TJK	DATE CHECKED:
APPROVED BY:	DATE APPROVED:

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201 GIBRALTER ROAD, SUITE 100
HORSHAM, PA. 19044
(215) 957-0955

DRAWING No.:	M12-SEMI-VOLATILES
FILE No.:	M12 SEMI-VOLATILES
SCALE:	1" = 50'
SHEET	OF
REV.:	B

LEGEND

METALS	NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
ANTIMONY	14 (mg/kg)
ARSENIC	20 (mg/kg)
BERYLLIUM	2 (mg/kg)
LEAD	400 (mg/kg)
MERCURY	14 (mg/kg)
ZINC	1500 (mg/kg)

NOTES:

1.) SOIL SAMPLES WERE COLLECTED FROM DEPTHS OF APPROXIMATELY 0–6" OR 6–12" FOR THE ANALYTES PRESENTED. SAMPLES WERE TAKEN BETWEEN MARCH 1998 AND SEPTEMBER 1999.

2.) [ ] = EXCEEDS NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA (RDCSCC).

3.) THIS MAP PRESENTS DATA FOR THOSE ANALYTES THAT EXCEEDED THE RDCSCC IN AT LEAST ONE SOIL BORING.

4.) ND = NOT DETECTED.

5.) LOCATION OF BORING 123 IS ESTIMATED.

B	REVIEW EDITS		10 JUNE 02	TJW
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4–3
METALS CONTAMINANT MAP
M–12 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY:	DATE DRAWN:
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
DRAWING No.: M12–METALS	
FILE No.: M12–METALS	
SCALE: 1" = 50'	
SHEET OF	REV.: B

Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957–0955

APPENDICES

APPENDIX A

DPW Proposal Letter to NJDEP defining RIR for Near Surface Soils at the M-12 Landfill Site, dated July 7, 1998

(An electronic copy of this appendix can be found on the attached compact disc as an Adobe Acrobat pdf file.)

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-12 Landfill Site, dated August 10, 1998

(An electronic copy of this appendix can be found on the attached compact disc as an Adobe Acrobat pdf file.)

State of New Jersey

Christine Todd Whitman
Governor

Department of Environmental Protection

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 4.2.8 – Landfill 12 (M-12)

4.2.8 Landfill 12 (M-12)

4.2.8.1 Site Location

Landfill 12 (M-12) is located on the south side of Husky Brook, west of Murphy Drive (Figure 4.2-15). The approximate northwest area of site M-12 is 60,100 ft^2 (1.4 acres) and the approximate southwest area is 29,200 ft^2 (0.7 acre).

4.2.8.2 Site History

The period of operation of Landfill 12 is unknown. Landfill 12 most likely contains domestic and industrial wastes similar to that found in other Main Post landfills. This landfill may also have been used for automobile disposal. At present, the southern bank of Husky Brook is flat and grass covered.

4.2.8.3 Sampling Effort

GPR and magnetometer surveys were conducted to locate the landfill boundaries. Three monitor wells, MW-16, MW-17, and MW-18, were installed at the locations shown in Figure 4.2-15. The original locations of monitor wells MW-16 and MW-18 were repositioned during the field investigation activities. Monitor well MW-16 was moved because of possible accessibility problems (the proposed location of the well was inside the locked boat yard parking lot). Monitor well MW-18 was moved based on geophysical interpretations.

These wells were sampled twice for TCL +30 parameters, TAL metals, and cyanide. Tidal monitoring was conducted at the same time as tidal monitoring for Landfill 14.

4.2.8.4 Geophysical Results

The magnetometer survey conducted at the northeast portion of site M-12, i.e., M-12NE, revealed elevated total magnetic field readings located at relative grid coordinates 40N to 70N/335E to 400E and 70N to 80N/175E to 225E. As shown in Figure 4.2-16, the high magnetometer

readings are represented by the violet contour interval and are indicative of buried ferrous material. Another anomalous area indicating ferrous material was revealed at the southwest corner of site M12NE and is located at approximate grid coordinates 0N to 60S/50W to 100E. Cultural features affecting the magnetometer survey are the tower and guy wires centered about coordinate 60N/100E and the chainlink fence to the south of the survey area. As shown in Figure 4.2-17, the magnetic gradient anomalies coincide with the total magnetic field results, also suggesting the presence of buried ferrous material within the suspected landfill boundary.

The GPR survey at M-12NE revealed chaotic radar reflectors throughout the area. These radar waveforms may be indicative of coarse-grained fill material or naturally occurring sands and gravel. However, the radar data collected collaborates the existing magnetometer anomalies at grid coordinates 30N to 70N/335E to 350E and 30N to 70N/390E to 400E, suggesting buried ferrous material within the suspected landfill boundary.

Hyperbolic radar signatures appear traversing the site from approximately 280E to 300E at a depth of 3 ft bgs. These hyperbolic waveforms are interpreted to be an 18-in. diameter drainage pipe that was observed discharging to the stream.

Site M-12SW contained many cultural features scattered throughout the site, including overhead power lines and metallic surface debris, prohibiting total site coverage and producing anomalous magnetic signatures. The magnetometer survey revealed anomalous total magnetic field and gradient anomalies at the northwest portion of the survey area. Located within grid coordinates 0N to 50N and 50E to 120E, the anomalies are probably due to metallic debris observed on the surface. As shown in Figure 4.2-18, total magnetic field anomalies exist at grid coordinates 0N to 20N/140E to 180E and centered about coordinate 10S/200E. The magnetic gradient contour plot (Figure 4.2-19) confirms these anomalous magnetic signatures and reveals smaller discrete high and low gradient readings indicative of buried ferrous material from 10N to 10S and 120E to 240E.

The GPR survey revealed hyperbolic diffraction patterns at 10N/160E and 10S/200E, confirming the presence of the magnetometer anomalies at a depth of approximately 2 ft bgs. These

hyperbolic radar signatures are typical of buried manmade metallic cyclindrical objects such as pipe, utilities, and other metallic objects, as well as naturally occurring cobbles and large gravel. Chaotic radar reflectors were also found at the northeast quadrant of the site within grid coordinates 10N to 50N/250E to 300E. These chaotic waveforms are indicative of coarse-grained materials such as sand and gravel or disturbed subsurface conditions.

The results of the geophysical survey at M-12NE and M-12SW indicate that fill and buried ferrous material are present within the suspected boundaries of the landfill. Monitor wells and surface-water sample locations are positioned to adequately monitor groundwater downgradient of these areas.

4.2.8.5 Hydrogeologic Interpretation

Lithologic logs from the wells installed at M 12 indicate that the lithology consists of a thin soil cover (0.3 ft) underlain by fill material. The components of the filled materials observed in the borings consisted of organic debris and coal fragments intermixed with a moderate to poorly sorted olive-green-brown silty medium-fine-grained sand with little clay.

Saturation was observed at approximately 2 ft bgs across the site. The three monitor wells were screened across the water table and set at 14.5 ft bgs. Water-level elevation data, measured on 6 March 1995, prior to the March sampling round, indicate that local groundwater flows north toward Husky Brook (Figure 4.2-20). Based on groundwater elevation measurements, monitor wells MW-17 and MW-18 are located downgradient of the M-12 area.

4.2.8.6 Groundwater Sampling Results

Monitor wells at site M-12 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 4.2-10 compares the average concentrations of the detected compounds from the February and March sampling rounds with the NJDEP GWQC, and then compares the results

Table 4.2-10
Fort Monmouth - Main Post
Summary of Average Concentrations of Detected Compounds in Groundwater - Site M-12

COMPOUND	METHOD DETECTION LIMIT (µg/L)	NJDEP GROUNDWATER QUALITY CRITERIA (µg/L)	MAXIMUM BACKGROUND CONCENTRATION (µg/L)	ANALYTICAL RESULTS (µg/L) SAMPLING DATE		
				MW16 2/20/95, 3/10/95 (avg.)	MW17 2/20/95, 3/10/95 (avg.)	MW18 2/20/95, 3/10/95 (avg.)
SVOCs (µg/L)						
bis-(2-Ethylhexyl)phthalate	9.7	30*	ND	3 J	2J	4 J
METALS TOTAL (µg/L)						
Aluminum	24.0	200	121000	**961**	173.5	**733**
Arsenic	1.9	8*	89.3	4.05	ND	1.475
Barium	1.7	2000	699	47.1	184	133.5
Calcium	10.4	NLE	45400	7860	50200	6235
Cadmium	2.8	4	9.5	2.475	ND	3.4
Cobalt	3.0	NLE	18.3	2.025	ND	2.675
Chromium	2.9	100	191	12.025	4.425	7.675
Copper	1.9	1000	730[1]	ND	14.1	5.1
Iron	6.4	300	431000	**19650**	**31250**	**1795**
Mercury	0.2	2	0.26	0.205	ND	ND
Potassium	685	NLE	137000	3040	4380	5115
Magnesium	18.3	NLE	62700	6120	4405	3935
Manganese	1.8	50	480[1]	46.05	**256**	16.8
Sodium	30.5	50000	197000[1]	17150	10285	21050
Nickel	10.8	100	187	3.75	ND	7.8
Lead	1.6	10*	22.7	1.1	1.3	3.1
Vanadium	2.3	NLE	108	6.35	ND	2.775
Zinc	3.8	5000	233	20.75	9.6	45.3

Compounds exceding 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 criteria

NLE - No Level Established

ND - Indicates that the compound was not detected at noted quantification limit

J - Indicates that the concentration value was estimated due to detection at or near the quantification limits

[1] - Monmouth County maximum background concentration.

with the subsequent site-specific and Monmouth County maximum background concentrations, where appropriate.

VOCs

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

SVOCs

SVOCs were not detected in the site monitor wells above laboratory quantitation limits from either sampling round. The estimated value for bis(2-ethylhexyl) phthalate is below NJDEP GWQC.

Pesticides/PCBs

Pesticides/PCBs were not detected in the site monitor wells from either sampling round.

Metals

As indicated in Table 4.2-10, of the 18 metals detected in site groundwater, 3 (aluminum, iron, and manganese) were found in concentrations exceeding the NJDEP GWQC. However, all metals were found in concentrations below those determined for site-specific or Monmouth County maximum background levels. Although the concentration of aluminum exceeded the Monmouth County background level in MW-17, the concentration was well below the site-specific background level established at the Main Post.

Cyanide

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

4.2.8.7 Tidal Monitoring — Landfill 12 and Landfill 14 (M-12 and M-14)

Tidal fluctuations in Husky Brook were monitored at an upstream tidal monitoring station (stilling well-8) and at a downstream tidal monitoring station (stilling well-9) at Landfills 12 and 14 (Figure 4.2-15). The tidal monitoring stations are approximately 400 feet apart and tidal changes at both stations are similar. Changes in creek levels measured at station stilling well-8 were compared to changes in water levels measured at monitor wells MW-16 through MW-21 (see Appendix E).

Monitor wells MW-17, MW-18, MW-19, and MW-21 are located within 150 feet of the creek, and wells MW-16 and MW-20 are located 150 feet or more from the creek. The tidal monitoring station at Landfills 12 and 14 records high and low tides, but the lowest tidal peaks are slightly subdued. The stream bed elevation at Landfills 12 and 14 is the lowest of the three areas studied and is more affected by low tides. Stream bed elevation is -1.71 ft msl at stilling well-8 and -1.63 ft msl at stilling well-9. The maximum change in creek levels during the study was 3.3 feet. The maximum change in water level in the monitor well was approximately 1.6 feet during the time of study.

Data collected from wells MW-19 and MW-20 are useful as baseline data during the tidal monitoring study conducted at Landfills 12 and 14. There is no apparent relationship between water levels measured at wells MW-19 and MW-20 and creek levels measured at stilling well-8. Well MW-19 is approximately 150 feet from the creek, but is about 1,600 feet upgradient from stilling well-8. Well MW-20 is approximately 700 feet from the creek and is too distant to be influenced by changing creek levels. Water levels in the water-bearing unit and creek levels were fluctuating by less than 0.1 foot during the tidal monitoring study in March 1995.

The response of water levels measured at wells MW-16, MW-17, and MW-18 indicates a poor to moderate degree of hydraulic connection between the water-bearing unit in the area around these wells and the creek levels. There is a small lag time between tidal peaks in the creek and water-level peaks in each of the three wells. The magnitude of water-level changes in these three wells is small, between 5% and 15% of the magnitude of tidal changes in the creek.

There is an apparent hydraulic influence between the water-bearing unit at MW-21 and creek levels. Water-level data from monitor well MW-21 were compared with creek level data from station stilling well-8. The peak in water levels measured at well MW-1 occurs approximately 70 to 120 minutes after the peak in creek levels at stilling well-8, but the ratio of change in water level in the water-bearing unit to change in creek levels at this location (stilling well-8, MW-21) is approximately 40% to 50%. This high ratio indicates a high degree of hydraulic influence.

4.2.8.7.1 Conductivity and Salinity Results

Conductivity and salinity were measured in Husky Brook and in the monitor wells at Landfill 12 (M-12) and Landfill 14 (M-14) in January and March 1995 and are presented in Appendix E. Measurements were collected at low tide and high tide each month to evaluate the extent of saltwater intrusion at each site.

The results indicate the presence of brackish to salty water in Husky Brook at Landfills 12 and 14 (M-12, M-14).

Specific conductance measured in Husky Brook at Landfills 12 and 14 (M-12, M-14) is consistently greater than 2,000 µmhos. In addition, salinity measured in Husky Brook at Landfills 12 and 14 (M-12, M-14) is consistently greater than 1.5 ppth. The results are consistent with the higher streambed elevation at Landfill 2 (M-2) compared to Landfill 8 (M-8) and Landfills 12 and 14 (M-12, M-14).

Groundwater sampled from monitor wells at each location generally exhibit low conductivity and zero salinity.

4.2.8.8 Recommendations

The results of the geophysical surveys indicate that the identified fill and buried ferrous material are present within the suspected boundaries of the landfill. Monitor wells are positioned to adequately monitor groundwater downgradient of these areas.

Groundwater sampling results indicate that no compounds of concern exceeded NJDEP GWQC from upgradient and downgradient wells.

The results of the tidal monitoring relate to both sites M-12 and M-14. The data indicate that there is no apparent relationship between creek levels and water levels in MW-19 and MW-20. A poor to moderate relationship was measured between MW-16, MW-17, and MW-18 and creek levels. A direct relationship was observed between creek levels and MW-21. The conductivity and salinity measurements in Husky Brook indicate the presence of brackish to salty water at sites M-12 and M-14. Groundwater sampled from monitor wells at each location indicates freshwater.

Although no compounds of concern were identified at site M-12, because of the site's history of being used as a landfill, 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. Contaminants identified in the first two rounds of sampling would be targeted for the 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) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461, NYSDOH #11699

ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: #IJN 98-0211

M-12 Landfill

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
M-12 B-1 6-12"	3420.01	Soil	19-Mar-98 10:33	03/19/98
M-12 B1-24"	3420.02	Soil	19-Mar-98 10:33	03/19/98
M-12 B-2 6-12"	3420.03	Soil	19-Mar-98 11:10	03/19/98
M-12 B-2 24"	3420.04	Soil	19-Mar-98 11:10	03/19/98
M-12 B-3 6-12"	3420.05	Soil	19-Mar-98 11:30	03/19/98
M-12 B-3 24"	3420.06	Soil	19-Mar-98 11:30	03/19/98
M-12 B-4 6-12"	3420.07	Soil	19-Mar-98 11:56	03/19/98
M-12 B-4 24"	3420.08	Soil	19-Mar-98 11:56	03/19/98
M-12 B-5 6-12"	3420.09	Soil	19-Mar-98 13:00	03/19/98
M-12 B-5 24"	3420.10	Soil	19-Mar-98 13:00	03/19/98
M-12 B-6 4-10"	3420.11	Soil	19-Mar-98 13:25	03/19/98
M-12 B-6 24"	3420.12	Soil	19-Mar-98 13:25	03/19/98
M-12 B-7 6-12"	3420.13	Soil	19-Mar-98 13:55	03/19/98
M-12 B-7 24"	3420.14	Soil	19-Mar-98 13:55	03/19/98
M-12 B-8 6-12"	3420.15	Soil	19-Mar-98 14:45	03/19/98
M-12 B-8 24"	3420.16	Soil	19-Mar-98 14:45	03/19/98
M-12 B-9 6-12"	3420.17	Soil	19-Mar-98 15:17	03/19/98
M-12 B-9 24"	3420.18	Soil	19-Mar-98 15:17	03/19/98
Trip Blank	3420.19	Methanol	19-Mar-98	03/19/98
Trip Blank	3424.01	Methanol	20-Mar-98	03/20/98
M-12 B-10 6-12"	3424.02	Soil	20-Mar-98 10:58	03/20/98
M-12 B-10 24"	3424.03	Soil	20-Mar-98 10:58	03/20/98
M-12 B-11 5-11"	3424.04	Soil	20-Mar-98 11:35	03/20/98
M-12 B-11 24"	3424.05	Soil	20-Mar-98 11:35	03/20/98
M-12 B-12 6-12"	3424.06	Soil	20-Mar-98 11:50	03/20/98
M-12 B-12 24"	3424.07	Soil	20-Mar-98 11:50	03/20/98
M-12 B-13 6-12"	3424.08	Soil	20-Mar-98 12:13	03/20/98
M-12 B-13 24"	3424.09	Soil	20-Mar-98 12:13	03/20/98
M-12 B-14 3-9"	3424.10	Soil	20-Mar-98 12:56	03/20/98
M-12 B-14 24"	3424.11	Soil	20-Mar-98 12:56	03/20/98

SAMPLE LOCATION AND IDENTIFICATION

M-12 B-15 2-8"	3424.12	Soil	20-Mar-98 13:56	03/20/98
M-12 B-15 24"	3424.13	Soil	20-Mar-98 13:56	03/20/98
M-12 B-16 2-8"	3424.14	Soil	20-Mar-98 14:23	03/20/98
M-12 B-16 24"	3424.15	Soil	20-Mar-98 14:23	03/20/98
M-12 B-17 6-12"	3424.16	Soil	20-Mar-98 14:43	03/20/98
M-12 B-17 24"	3424.17	Soil	20-Mar-98 14:43	03/20/98
M-12 B-18 3-9"	3424.18	Soil	20-Mar-98 15:00	03/20/98
M-12 B-18 24"	3424.19	Soil	20-Mar-98 15:00	03/20/98
M-12 B-19 2-8"	3424.20	Soil	20-Mar-98 15:20	03/20/98
M-12 B-19 24"	3424.21	Soil	20-Mar-98 15:20	03/20/98
Trip Blank	3425.01	Methanol	23-Mar-99	03/23/98
M-12 B-20 6-12"	3425.02	Soil	23-Mar-98 09:37	03/23/98
M-12 B-20 24"	3425.03	Soil	23-Mar-98 09:37	03/23/98
M-12 B-21 3-9"	3425.04	Soil	23-Mar-98 10:05	03/23/98
M-12 B-21 24"	3425.05	Soil	23-Mar-98 10:05	03/23/98
M-12 B-22 3-9"	3425.06	Soil	23-Mar-98 10:25	03/23/98
M-12 B-22 24"	3425.07	Soil	23-Mar-98 10:25	03/23/98
M-12 B-23 3-9"	3425.08	Soil	23-Mar-98 11:11	03/23/98
M-12 B-23 24"	3425.09	Soil	23-Mar-98 11:11	03/23/98
M-12 B-24 3-9"	3425.10	Soil	23-Mar-98 11:30	03/23/98
M-12 B-24 24"	3425.11	Soil	23-Mar-98 11:30	03/23/98
M-12 B-25 6-12"	3425.12	Soil	23-Mar-98 11:50	03/23/98
M-12 B-25 24"	3425.13	Soil	23-Mar-98 11:50	03/23/98
M-12 B-26 2-8"	3425.14	Soil	23-Mar-98 11:55	03/23/98
M-12 B-26 24"	3425.15	Soil	23-Mar-98 11:55	03/23/98
M-12 B-27 4-10"	3425.16	Soil	23-Mar-98 14:10	03/23/98
M-12 B-27 24"	3425.17	Soil	23-Mar-98 14:10	03/23/98
M-12 B-28 4-10"	3425.18	Soil	23-Mar-98 14:30	03/23/98
M-12 B-28 24"	3425.19	Soil	23-Mar-98 14:30	03/23/98
M-12 B-29 6-12"	3425.20	Soil	23-Mar-98 15:02	03/23/98
M-12 B-29 24"	3425.21	Soil	23-Mar-98 15:02	03/23/98
M-12 B-30 2-8"	3425.22	Soil	23-Mar-98 15:27	03/23/98
M-12 B-30 24"	3425.23	Soil	23-Mar-98 15:27	03/23/98
Field Dup.	3425.24	Soil	23-Mar-98	03/23/98
Field Dup.	3425.25	Soil	23-Mar-98	03/23/98
Trip Blank	3428.01	Methanol	24-Mar-99	03/24/98
M-12 B-31 2-8"	3428.02	Soil	24-Mar-98 09:00	03/24/98
M-12 B-31 24"	3428.03	Soil	24-Mar-98 09:00	03/24/98
M-12 B-32 3-9"	3428.04	Soil	24-Mar-98 09:25	03/24/98
M-12 B-32 24"	3428.05	Soil	24-Mar-98 09:25	03/24/98
M-12 B-33 3-9"	3428.06	Soil	24-Mar-98 10:00	03/24/98
M-12 B-33 24"	3428.07	Soil	24-Mar-98 10:00	03/24/98
M-12 B-34 4-10"	3428.08	Soil	24-Mar-98 10:25	03/24/98
M-12 B-34 24"	3428.09	Soil	24-Mar-98 10:25	03/24/98
M-12 B-35 3-9"	3428.10	Soil	24-Mar-98 11:09	03/24/98
M-12 B-35 24"	3428.11	Soil	24-Mar-98 11:09	03/24/98
M-12 B-36 3-9"	3428.12	Soil	24-Mar-98 11:50	03/24/98
M-12 B-36 24"	3428.13	Soil	24-Mar-98 11:50	03/24/98
M-12 B-37 3-9"	3428.14	Soil	24-Mar-98 13:00	03/24/98
M-12 B-37 24"	3428.15	Soil	24-Mar-98 13:00	03/24/98
M-12 B-38 3-9"	3428.16	Soil	24-Mar-98 13:19	03/24/98
M-12 B-38 24"	3428.17	Soil	24-Mar-98 13:19	03/24/98
M-12 B-39 3-9"	3428.18	Soil	24-Mar-98 13:45	03/24/98

SAMPLE LOCATION AND IDENTIFICATION

M-12 B-39 24"	3428.19	Soil	24-Mar-98 13:45	03/24/98
M-12 B-40 6-12"	3428.20	Soil	24-Mar-98 14:20	03/24/98
M-12 B-40 24"	3428.21	Soil	24-Mar-98 14:20	03/24/98
M-12 B-41 6-12"	3428.22	Soil	24-Mar-98 14:59	03/24/98
M-12 B-41 24"	3428.23	Soil	24-Mar-98 14:59	03/24/98
Field Dup.	3428.24	Soil	24-Mar-98	03/24/98
Field Dup.	3428.25	Soil	24-Mar-98	03/24/98
Trip Blank	3432.01	Methanol	25-Mar-99	03/25/98
M-12 B-42 6-12"	3432.02	Soil	25-Mar-98 09:13	03/25/98
M-12 B-42 24"	3432.03	Soil	25-Mar-98 09:13	03/25/98
M-12 B-43 6-12"	3432.04	Soil	25-Mar-98 09:42	03/25/98
M-12 B-43 24"	3432.05	Soil	25-Mar-98 09:42	03/25/98
M-12 B-44 2-8"	3432.06	Soil	25-Mar-98 10:13	03/25/98
M-12 B-44 24"	3432.07	Soil	25-Mar-98 10:13	03/25/98
M-12 B-45 3-9"	3432.08	Soil	25-Mar-98 11:25	03/25/98
M-12 B-45 24"	3432.09	Soil	25-Mar-98 11:25	03/25/98
M-12 B-46 6-12"	3432.10	Soil	25-Mar-98 11:47	03/25/98
M-12 B-46 24"	3432.11	Soil	25-Mar-98 11:47	03/25/98
M-12 B-47 5-11"	3432.12	Soil	25-Mar-98 12:05	03/25/98
M-12 B-47 24"	3432.13	Soil	25-Mar-98 12:05	03/25/98
M-12 B-48 6-12"	3432.14	Soil	25-Mar-98 13:06	03/25/98
M-12 B-48 24"	3432.15	Soil	25-Mar-98 13:06	03/25/98
M-12 B-49 3-9"	3432.16	Soil	25-Mar-98 13:30	03/25/98
M-12 B-49 24"	3432.17	Soil	25-Mar-98 13:30	03/25/98
M-12 B-50 4-10"	3432.18	Soil	25-Mar-98 14:20	03/25/98
M-12 B-50 24"	3432.19	Soil	25-Mar-98 14:20	03/25/98
M-12 B-51 3-9"	3432.20	Soil	25-Mar-98 14:46	03/25/98
M-12 B-51 24"	3432.21	Soil	25-Mar-98 14:46	03/25/98
Trip Blank	4748.01	Methanol	26-Aug-99	08/26/99
M-12 52 6-12"	4748.02	Soil	26-Aug-99 10:55	08/26/99
M-12 52 24"	4748.03	Soil	26-Aug-99 10:55	08/26/99
M-12 53 4-10"	4748.04	Soil	26-Aug-99 11:30	08/26/99
M-12 53 24"	4748.05	Soil	26-Aug-99 11:30	08/26/99
M-12 54 2-8"	4748.06	Soil	26-Aug-99 11:55	08/26/99
M-12 54 24"	4748.07	Soil	26-Aug-9911:55	08/26/99
M-12 55 6-12"	4748.08	Soil	26-Aug-99 13:05	08/26/99
M-12 55 24"	4748.09	Soil	26-Aug-99 13:05	08/26/99
M-12 56 6-12"	4748.10	Soil	26-Aug-99 13:30	08/26/99
M-12 56 24"	4748.11	Soil	26-Aug-99 13:30	08/26/99
M-12 57 6-12"	4748.12	Soil	26-Aug-99 13:50	08/26/99
M-12 57 24"	4748.13	Soil	26-Aug-99 13:50	08/26/99
M-12 58 4-11"	4748.14	Soil	26-Aug-99 14:15	08/26/99
M-12 58 24"	4748.15	Soil	26-Aug-99 14:15	08/26/99
M-12 59 3-9"	4748.16	Soil	26-Aug-99 14:30	08/26/99
M-12 59 24"	4748.17	Soil	26-Aug-99 14:30	08/26/99
M-12 60 6-12"	4748.18	Soil	26-Aug-99 15:00	08/26/99
M-12 60 24"	4748.19	Soil	26-Aug-99 15:00	08/26/99
M-12 61 4-10"	4748.20	Soil	26-Aug-99 15:10	08/26/99
M-12 61 24"	4748.21	Soil	26-Aug-99 15:10	08/26/99
Trip Blank	4754.01	Methanol	27-Aug-99	08/27/99
M-12 63 5-11"	4754.02	Soil	27-Aug-99 10:00	08/27/99
M-12 63 24"	4754.03	Soil	27-Aug-99 10:00	08/27/99
M-12 64 6-12"	4754.04	Soil	27-Aug-99 10:17	08/27/99

SAMPLE LOCATION AND IDENTIFICATION

M-12 64 24"	4754.05	Soil	27-Aug-99 10:17	08/27/99
M-12 65 5-11"	4754.06	Soil	27-Aug-99 10:30	08/27/99
M-12 65 24"	4754.07	Soil	27-Aug-99 10:30	08/27/99
M-12 66 5-11"	4754.08	Soil	27-Aug-99 10:50	08/27/99
M-12 66 24"	4754.09	Soil	27-Aug-99 10:50	08/27/99
M-12 67 6-12"	4754.10	Soil	27-Aug-99 11:05	08/27/99
M-12 67 24"	4754.11	Soil	27-Aug-99 11:05	08/27/99
M-12 68 5-11"	4754.12	Soil	27-Aug-99 11:18	08/27/99
M-12 68 24"	4754.13	Soil	27-Aug-99 11:18	08/27/99
M-12 69 5-11"	4754.14	Soil	27-Aug-99 11:45	08/27/99
M-12 69 24"	4754.15	Soil	27-Aug-99 11:45	08/27/99
M-12 70 0-6"	4754.16	Soil	27-Aug-99 13:35	08/27/99
M-12 70 24"	4754.17	Soil	27-Aug-99 13:35	08/27/99
M-12 71 5-11"	4754.18	Soil	27-Aug-99 13:49	08/27/99
M-12 71 24"	4754.19	Soil	27-Aug-99 13:49	08/27/99
M-12 72 7-13"	4754.20	Soil	27-Aug-99 14:10	08/27/99
M-12 72 24"	4754.21	Soil	27-Aug-99 14:10	08/27/99
M-12 73 6-12"	4754.22	Soil	27-Aug-99 14:30	08/27/99
M-12 73 24"	4754.23	Soil	27-Aug-99 14:30	08/27/99
Field Dup.	4754.24	Soil	27-Aug-99	08/27/99
Field Dup.	4754.25	Soil	27-Aug-99	08/27/99
Trip Blank	4760.01	Methanol	30-Aug-99	08/30/99
M-12 74 6-12"	4760.02	Soil	30-Aug-99 09:10	08/30/99
M-12 74 24"	4760.03	Soil	30-Aug-99 09:10	08/30/99
M-12 75 6-12"	4760.04	Soil	30-Aug-99 09:30	08/30/99
M-12 75 24"	4760.05	Soil	30-Aug-99 09:30	08/30/99
M-12 76 3-9"	4760.06	Soil	30-Aug-99 10:19	08/30/99
M-12 76 24"	4760.07	Soil	30-Aug-99 10:19	08/30/99
M-12 77 6-12"	4760.08	Soil	30-Aug-99 10:40	08/30/99
M-12 77 24"	4760.09	Soil	30-Aug-99 10:40	08/30/99
M-12 78 6-12"	4760.10	Soil	30-Aug-99 10:55	08/30/99
M-12 78 24"	4760.11	Soil	30-Aug-99 10:55	08/30/99
M-12 79 3-9"	4760.12	Soil	30-Aug-99 11:15	08/30/99
M-12 79 24"	4760.13	Soil	30-Aug-99 11:15	08/30/99
M-12 80 6-12"	4760.14	Soil	30-Aug-99 11:30	08/30/99
M-12 80 24"	4760.15	Soil	30-Aug-99 11:30	08/30/99
M-12 81 6-12"	4760.16	Soil	30-Aug-99 11:49	08/30/99
M-12 81 24"	4760.17	Soil	30-Aug-99 11:49	08/30/99
M-12 82 6-12"	4760.18	Soil	30-Aug-99 13:05	08/30/99
M-12 82 24"	4760.19	Soil	30-Aug-99 13:05	08/30/99
M-12 83 6-12"	4760.20	Soil	30-Aug-99 13:40	08/30/99
M-12 83 24"	4760.21	Soil	30-Aug-99 13:40	08/30/99
M-12 84 6-12"	4760.22	Soil	30-Aug-99 14:05	08/30/99
M-12 84 24"	4760.23	Soil	30-Aug-99 14:05	08/30/99
M-12 85 4-10"	4760.24	Soil	30-Aug-99 14:23	08/30/99
M-12 85 24"	4760.25	Soil	30-Aug-99 14:23	08/30/99
M-12 86 6-12"	4760.26	Soil	30-Aug-99 14:30	08/30/99
M-12 86 24"	4760.27	Soil	30-Aug-99 14:30	08/30/99
M-12 87 5-11"	4760.28	Soil	30-Aug-99 14:58	08/30/99
M-12 87 24"	4760.29	Soil	30-Aug-99 14:58	08/30/99
M-12 88 5-11"	4760.30	Soil	30-Aug-99 15:14	08/30/99
M-12 88 24"	4760.31	Soil	30-Aug-99 15:14	08/30/99
Trip Blank	4762.01	Methanol	31-Aug-99	08/31/99

SAMPLE LOCATION AND IDENTIFICATION

M-12 89 3-9"	4762.02	Soil	31-Aug-99 09:50	08/31/99
M-12 89 24"	4762.03	Soil	31-Aug-99 09:50	08/31/99
M-12 90 6-12"	4762.04	Soil	31-Aug-99 10:20	08/31/99
M-12 90 24"	4762.05	Soil	31-Aug-99 10:20	08/31/99
M-12 91 4-10"	4762.06	Soil	31-Aug-99 10:33	08/31/99
M-12 91 24"	4762.07	Soil	31-Aug-99 10:33	08/31/99
M-12 92 6-12"	4762.08	Soil	31-Aug-99 10:55	08/31/99
M-12 92 24"	4762.09	Soil	31-Aug-99 10:55	08/31/99
M-12 93 2-8"	4762.10	Soil	31-Aug-99 11:10	08/31/99
M-12 93 24"	4762.11	Soil	31-Aug-99 11:10	08/31/99
M-12 94 4-10"	4762.12	Soil	31-Aug-99 11:25	08/31/99
M-12 94 24"	4762.13	Soil	31-Aug-99 11:25	08/31/99
M-12 95 6-12"	4762.14	Soil	31-Aug-99 11:45	08/31/99
M-12 95 24"	4762.15	Soil	31-Aug-99 11:45	08/31/99
M-12 96 6-12"	4762.16	Soil	31-Aug-99 13:05	08/31/99
M-12 96 24"	4762.17	Soil	31-Aug-99 13:05	08/31/99
M-12 97 6-12"	4762.18	Soil	31-Aug-99 13:40	08/31/99
M-12 97 24"	4762.19	Soil	31-Aug-99 13:40	08/31/99
M-12 98 3-9"	4762.20	Soil	31-Aug-99 14:00	08/31/99
M-12 98 24"	4762.21	Soil	31-Aug-99 14:00	08/31/99
M-12 99 4-10"	4762.22	Soil	31-Aug-99 14:20	08/31/99
M-12 99 24"	4762.23	Soil	31-Aug-99 14:20	08/31/99
M-12 100 6-12"	4762.24	Soil	31-Aug-99 14:35	08/31/99
M-12 100 24"	4762.25	Soil	31-Aug-99 14:35	08/31/99
M-12 101 6-12"	4762.26	Soil	31-Aug-99 14:45	08/31/99
M-12 101 24"	4762.27	Soil	31-Aug-99 14:45	08/31/99
M-12 102 6-12"	4762.28	Soil	31-Aug-99 14:55	08/31/99
M-12 102 24"	4762.29	Soil	31-Aug-99 14:55	08/31/99
Field Dup.	4762.30	Soil	31-Aug-99	08/31/99
Field Dup.	4762.31	Soil	31-Aug-99	08/31/99
Trip Blank	4774.01	Methanol	07-Sept-99	09/07/99
M-12 103 6-12"	4774.02	Soil	07-Sept-99 09:40	09/07/99
M-12 103 24"	4774.03	Soil	07-Sept-99 09:40	09/07/99
M-12 104 3-9"	4774.04	Soil	07-Sept-99 09:55	09/07/99
M-12 104 24"	4774.05	Soil	07-Sept-99 09:55	09/07/99
M-12 105 0-6"	4774.06	Soil	07-Sept-99 10:15	09/07/99
M-12 105 24"	4774.07	Soil	07-Sept-99 10:15	09/07/99
M-12 106 0-6"	4774.08	Soil	07-Sept-99 10:35	09/07/99
M-12 106 24"	4774.09	Soil	07-Sept-99 10:35	09/07/99
M-12 107 4-10"	4774.10	Soil	07-Sept-99 10:50	09/07/99
M-12 107 24"	4774.11	Soil	07-Sept-99 10:50	09/07/99
M-12 108 5-11"	4774.12	Soil	07-Sept-99 11:10	09/07/99
M-12 108 24"	4774.13	Soil	07-Sept-99 11:10	09/07/99
M-12 109 6-12"	4774.14	Soil	07-Sept-99 11:30	09/07/99
M-12 109 24"	4774.15	Soil	07-Sept-99 11:30	09/07/99
M-12 110 9-15"	4774.16	Soil	07-Sept-99 13:15	09/07/99
M-12 110 24"	4774.17	Soil	07-Sept-99 13:15	09/07/99
M-12 111 3-9"	4774.18	Soil	07-Sept-99 13:30	09/07/99
M-12 111 24"	4774.19	Soil	07-Sept-99 13:30	09/07/99
M-12 112 6-12"	4774.20	Soil	07-Sept-99 14:00	09/07/99
M-12 112 24"	4774.21	Soil	07-Sept-99 14:00	09/07/99
M-12 113 6-12"	4774.22	Soil	07-Sept-99 14:20	09/07/99
M-12 113 24"	4774.23	Soil	07-Sept-99 14:20	09/07/99

SAMPLE LOCATION AND IDENTIFICATION

M-12 138 24"	4790.25	Soil	15-Sept-99 14:10	09/15/99
M-12 139 0-6"	4790.26	Soil	15-Sept-99 14:25	09/15/99
M-12 139 24"	4790.27	Soil	15-Sept-99 14:25	09/15/99
Field Dup.	4790.28	Soil	15-Sept-99	09/15/99
Field Dup.	4790.29	Soil	15-Sept-99	09/15/99
Trip Blank	4793.01	Methanol	20-Sept-99	09/20/99
M-12 140 0-6"	4793.02	Soil	20-Sept-99 09:00	09/20/99
M-12 140 24"	4793.03	Soil	20-Sept-99 09:00	09/20/99
M-12 141 0-6"	4793.04	Soil	20-Sept-99 09:20	09/20/99
M-12 141 24"	4793.05	Soil	20-Sept-99 09:20	09/20/99
M-12 142 0-6"	4793.06	Soil	20-Sept-99 09:35	09/20/99
M-12 142 24"	4793.07	Soil	20-Sept-99 09:35	09/20/99
M-12 143 0-6"	4793.08	Soil	20-Sept-99 09:48	09/20/99
M-12 143 24"	4793.09	Soil	20-Sept-99 09:48	09/20/99
M-12 144 0-6"	4793.10	Soil	20-Sept-99 10:00	09/20/99
M-12 144 24"	4793.11	Soil	20-Sept-99 10:00	09/20/99
M-12 145 0-6"	4793.12	Soil	20-Sept-99 10:12	09/20/99
M-12 145 24"	4793.13	Soil	20-Sept-99 10:12	09/20/99
M-12 146 0-6"	4793.14	Soil	20-Sept-99 10:25	09/20/99
M-12 146 24"	4793.15	Soil	20-Sept-99 10:25	09/20/99
M-12 147 0-6"	4793.16	Soil	20-Sept-99 10:40	09/20/99
M-12 147 24"	4793.17	Soil	20-Sept-99 10:40	09/20/99
M-12 148 0-6"	4793.18	Soil	20-Sept-99 10:55	09/20/99
M-12 148 24"	4793.19	Soil	20-Sept-99 10:55	09/20/99

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

10-28-99

Daniel Wright/Date
Laboratory Director

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CHAIN OF CUSTODY

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: M-12-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
3420 1	M-12-B-1	3-19-98	1033	SOIL	2		X	X	X		.04	PPM
2	" "		"			X			X	VO 0083	1.	PPM
3	M-12-B-2		1110				X	X	X		.06	PPM
4	" "		"			X			X	VO 0085	.06	PPM
5	M-12-B-3		1130				X	X	X		1	PPM
6	" "		"			X			X	VO 0086	8	PPM
7	M-12-B-4		1156				X	X	X		3	PPM
8	" "		"			X			X	VO 0087	1	PPM
9	M-12-B-5		1300				X	X	X		1.8	PPM
10	" "		"			X			X	VO 0088	1	PPM
11	M-12-B-6		1325				X	X	X		.08	PPM
12	" "		"			X			X	VO 0089	.4	PPM
13	M-12-B-7		1355				X	X	X		2	PPM
14	" "		"			X			X	VO 0090	1	PPM

Comments:

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Mark Laura	3-19-98 1540	J. Vellucci			
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
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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: M-12 LANDFILL CONT.

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
3420.15	M-12-B-8	3-19-98	1445	soil	2		X	X	X			
16	" "		1445			X			X	VO 0091		
17	M-12-B-9		1517				X	X	X			
18	" "		1517			X			X	VO 0092		
(MD) ~~19~~	~~M-12-B-10~~						~~X~~	~~X~~	~~X~~			
(MD) ~~20~~	" "					~~X~~			~~X~~	~~VO 0093~~		
19	TRIP BLANK									VO 0093		

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Mark Laura	3-19-98 1510				
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
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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV | Project No: IJN 98-0211
Phone #: (732) 532-6223 | Location: M-12 - LANDFILL
(X)DERA ( )OMA ( )Other:_____
Samplers Name / Company : MARK LAURA / TVS PWS-007

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PEST PCB PAB N	%SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
3424 1	TRIP BLANK	3-20-98	~~0945~~ 1058 (MD)		1					VO 0094	~~0~~	~~PPM~~
2	M-12-B-10		1058	SOIL	2		X	X	X		0	PPM
3	M-12-B-10		1058			X			X	VO 0095	0	PPM
4	M-12-B-11		1135				X	X	X		0	PPM
5	M-12-B-11		1135			X			X	VO 0096	0	PPM
6	M-12-B-12		1150				X	X	X		.08	PPM
7	M-12-B-12		1150			X			X	VO 0097	.06	PPM
8	M-12-B-13		1213				X	X	X		0	PPM
9	M-12-B-13		1213			X			X	VO 0098	0	PPM
10	M-12-B-14		1256				X	X	X		0	PPM
11	M-12-B-14		1256			X			X	VO 0099	0	PPM
12	M-12-B-15		1356				X	X	X		0	PPM
13	M-12-B-15		1356			X			X	VO 0100	.08	PPM
14	M-12-B-16		1423				X	X	X		0	PPM

Comments:

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Mark Laura	3-20-98 1530	J. Verghese			
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Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

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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: M-12 LANDFILL CONT.

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
3424-15	M-12-B-16	3-20-98	1423	SOIL	2	X			X	VO 0101	0	PPM
-16	M-12-B-17		1443				X	X	X		0	PPM
-17	M-12-B-17		1443			X			X	VO 0102	0	PPM
-18	M-12-B-18		1500				X	X	X		0	PPM
-19	M-12-B-18		1500			X			X	VO 0103	0	PPM
-20	M-12-B-19		1520				X	X	X		0	PPM
-21	M-12-B-19		1520							VO 0104	0	PPM

Comments:

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	3-20-98 1530				
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.

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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: M-12- LAND FILL

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

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PEST PCB PAH	%SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
3425. 01	TRIP BLANK	3-23-98		SOIL	1		~~TCLP~~			VO 0105 ~~6~~ 6(MW)	.	
X 02	M-12-B-20		0937		2		X	X	X		0	PPM
03	M-12-B-20		0937		2	X			X	VO 0106 ~~5~~ 5(MW)	0	PPM
04	M-12-B-21		1005		2		X	X	X		0	PPM
05	M-12-B-21		1005		2	X			X	VO 0107	0	PPM
06	M-12-B-22		1025		2		X	X	X		0	PPM
07	M-12-B-22		1025		2	X			X	VO 0108	0	PPM
08	M-12-B-23		1111		2		X	X	X		0	PPM
09	M-12-B-23		114		2	X			X	VO 0109	.8	PPM
10	M-12-B-24		1130		2		X	X	X		0	PPM
11	M-12-B-24		1130		2	X			X	VO 0110	.04	PPM
12	M-12-B-25		1150		2		X	X	X		.08	PPM
13	M-12-B ~~25~~ 25(MW)		1150		2	X			X	VO 0111	.06	PPM
14	M-12-B-26	↓	1155	↓	2		X	X	X		.04	PPM

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	3-23-98 1540				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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Turnaround time: (X)Standard 4 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

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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:

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
3425 15	M-12-B-26	3-23-98	1155	Soil	2	X			X	V00112	.04	PPM
16	M-12-B-27		1410				X	X	X		0	PPM
17	M-12-B-27		1410			X			X	V0 0113	.04	PPM
18	M-12-B-28		1430				X	X	X		.08	PPM
19	M-12-B-28		1430			X			X	V0 0014	.06	PPM
20	M-12-B-29 MS		1502				X	X	X		0	PPM
21	M-12-B-29		1502			X			X	V0 0015	0	PPM
22	M-12-B-30		1527				X	X	X		0	PPM
23	M-12-B-30 -		1527			X			X	V0 0016	.06	PPM
24	~~M-12-B-31~~											
25	M-12-B-31 MSD											
26	M-12-B-32											
27	M-12-B-33											
~~23~~	~~TRIP BLANK~~ MV									~~V0 0015~~		

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	3/23/98 1540				
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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	Project No: IJN 98-0211	Analysis Parameters	Comments:
Phone #: (732) 532-6223	Location: M-12-LANDFILL		
(X)DERA ( )OMA ( )Other:_____			

Samplers Name / Company : MARK LAURA / TVS PWS-007				Sample	#	VOA+15	Metals	PEST PCB PAB N	% SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles							
3425.24	FIELD DUP.	3-23-98		SOIL	2		X	X	X	VO 0120		
25	" "	"		"	"	X			X			

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[signature]	3-23-98 1540	[signature]			
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		[signature]			

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified

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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV | Project No: IJN 98-0211
Phone #: (732) 532-6223 | Location: M-12 - LANDFILL
(X)DERA ( )OMA ( )Other:_____
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
3428	1	M-12-TRIP BLANK	3-24-98		W SOIL	2					VO 0117	0	~~PPM~~
	2	M-12-B-31		0900		2		X	X	X		0	PPM
	3	M "		0900			X			X	VO 0118	.06	PPM
	4	M-12-B-32		0925				X	X	X		0	PPM
	5	" "		0925			X			X	VO 0119	0	PPM
	6	M-12-B-33		1000				X	X	X	(illegible)	0	PPM
	7	" "		1000			X			X	VO 0~~120~~ 121	0	PPM
	8	M-12-B-34		1025				X	X	X		0	PPM
	9	" "		1025			X			X	VO 0122	0	PPM
	10	M-12-B-35		1109 ~~1150~~	W			X	X	X		0	PPM
	11	" "		1109 ~~1150~~	W		X			X	VO 0123	0	PPM
	12	M-12-B-36		1150				X	X	X		0	PPM
	13	" "		1150			X			X	VO 0124	.04	PPM
	14	M-12-B-37		1300				X	X	X		.08	PPM

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[signature]	3-24-98 1515	[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
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Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV | Project No: IJN 98-0211
Phone #: (732) 532-6223 | Location:
(X)DERA ( )OMA ( )Other:_____
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 AB N	% SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
3428 15	M12-B-37	3-24-98	1300	SOIL	2	X			X	VO 0125	0	PPM
16	M-12-B-38		1319				X	X	X			
17	" "		1319			X			X	VO 0126		
18	M-12-B-39		1345				X	X	X			
19	" "		1345			X			X	VO 0127		
20	M-12-B-40		1420				X	X	X			
21	" "		1420			X			X	VO 0128		
22	M-12-B-41		1459			X	X	X	X			
23	" "		1459			X			X	VO 0129		
24	FIELD DUP.						X	X	X			
25	" "					X			X	VO 0130		

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	3-24-98 1515	[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:

000011

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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-12- 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 AN	% SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
3432 1	TRIP BLANK	3-25-98			1					VO 0131		
2	M-12-B-42		0913	SOIL	2		X	X	X		0	PPM
3	" "		0913			X			X	VO0132	0	PPM
4	M-12-B-43		0942				X	X	X		0	PPM
5	" "		0942			X			X	VO0133	0	PPM
6	M-12-B-44		1013				X	X	X		.04	PPM
7	" "		1013			X			X	VO0134	.02	PPM
8	M-12-B45		1125				X	X	X		0	PPM
9	" "		1125			X			X	VO0135	.08	PPM
10	M-12-B-46		1147				X	X	X		.02	PPM
11	" "		1147			X			X	VO0136	0	PPM
12	M-12-B-47		1205				X	X	X		.02	PPM
13	" "		1205			X			X	VO0137	0	PPM
14	M-12-B-48		1306				X	X	X		0	PPM

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Mark Laura	3-25-98 1510	J. Verghese			
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:

000012

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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: M-12-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 PAB N	% SOLID	VOA ID NUMBER	OVA	Comments: Remarks / Preservation Method
3432 15	M-12-B-48	3-25-98	1306	soil	2	X			X	VO 0138	0	PPM
16	M-12-B-49		1330				X	X	X		0	PPM
17	" "		1330			X			X	VO 0139	.04	PPM
18	M-12-B-50		1420				X	X	X		0	PPM
19	" "		1420			X			X	VO 0140	0	PPM
20	M-12-B-51		1446				X	X	X		0	PPM
21	" "		1446			X			X	VO 0141	0	PPM
~~MW22~~	~~M-12-B-52~~						X	X	X			
MW23	" "					X			X	VO 0142		
~~MW24~~	~~M-12-B-53~~						X	X	X			
~~MW25~~	" "					X			X	VO 0143		

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	3-25-98 1510	[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: LAST DAY @ M-12

000213

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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV | Project No: IJN 98-0211
Phone #: (732) 532-6223 | Location: M-12 WEST LANDFILL
(X)DERA ( )OMA ( )Other:_____
Samplers Name / Company : MARK LAURA / TVS PWS-007

Comments: Cal. #1 OVA ok(mc) Cal. #2 HNU ok(mc)

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PESTBN	%SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
4748. 1	TRIP BLANK	8-26-99	—	METH.	1	X				V00688	—	<4°C
2	M-12-5A-6-12"	"	1055	SOIL	2	X	X	X	X		0 PPM	0 PPM "
3	" 53 24"	"	"	"	"	X			X	V00689	"	" "
4	M-12-5-4-10"	"	1130	"	"		X	X	X		"	" "
5	" 54 24"	"	"	"	"	X			X	V00690	62 PPM	3 PPM "
6	M-12-5-2-8"	"	1155	"	"		X	X	X		0 PPM	0 PPM "
7	" 55 24"	"	"	"	"	X			X	V00691	400 PPM	0 PPM (METH. ODOR) "
8	M-12-5-6-12"	"	1305	"	"		X	X	X		100 PPM	0 PPM "
9	" 56 24"	"	"	"	"	X			X	V00697	25 PPM	0 PPM "
10	M-12-5-8-6-12"	"	1330	"	"		X	X	X		0 PPM	" "
11	" 57 24"	"	"	"	"	X			X	V00693	"	" "
12	M-12-5-6-6-12"	"	1350	"	"		X	X	X		"	" "
13	" 58 24"	"	"	"	"	X			X	V00694	"	" "
14	M-12-7-4-11"	"	1415	"	"		X	X	X		"	" "

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Mark Laura	8-26-99 1520				
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: VERY HUMID / RAINY

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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: M-12 WEST 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 PAB N	% SOLID	VOA ID NUMBER	OVA	Comments: HNU Remarks / Preservation Method
4748. 15	M-12-~~7~~ 30 ~~59~~ 24"	8-26-99	1415	Soil	2	X			X	V00695	0 PPM	0 PPM 4°C
16	M-12-~~8~~ 59 3-9"	"	1430	"	"		X	X	X		"	" "
17	" ~~60~~ 24"	"	"	"	"	X			X	V00696	"	" "
18	M-12-~~9~~ 60 6-12"	"	1500	"	"		X	X	X		"	" "
19	" 24"	"	"	"	"	X			X	V00697	"	" "
20	M-12-~~10~~ 610 4-10"	"	1510	"	"		X	X	X		"	" "
21	" 24"	"	"	"	"	X			X	V00698	"	" "

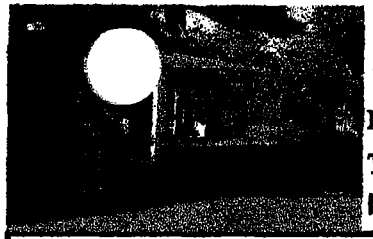
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Mark Laura	8-26-99 1520				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

ST0005

Custodydera xls7/27/99



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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV	Project No: IJN 98-0211	Analysis Parameters	Comments:
Phone #: (732) 532-6223	Location: M-12 WEST LANDFILL		Cal. #1 OVA OK (MW)
(X)DERA ( )OMA ( )Other:			Cal. #2 HNU OK (MW)

Samplers Name / Comp[illegible]K LAURA / TVS PWS-007

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PEST PCB PAH	%SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
4154 1	TRIP BLANK	8-27-99	—	METH.	1	X				V00699 (MW)	—	HNU <4°C
2	M-12-63 - 5-11"	"	1000	SOIL	2		X	X	X			"
3	" " - 24"	"	"	"	"	X			X	V00700	40 PPM	0 PPM "
4	M-12-64 - 6-12"	"	1017	"	"		X	X	X		0 PPM	" "
5	" " - 24"	"	"	"	"	X			X	V00701	"	" "
6	M-12-65 - 5-11"	"	1030	"	"		X	X	X		"	" "
7	" " - 24"	"	"	"	"	X			X	V00702	20 PPM	0 "
8	M-12-66 - 5-11"	"	1050	"	"		X	X	X		0 PPM	" "
9	" " - 24"	"	"	"	"	X			X	V00703	"	" "
10	M-12-67 - 6-12"	"	ENTERED	"	"		X	X	X		"	" "
11	" " - 24"	"	"	"	"	X			X	V00704	"	" "
12	M-12-68 - 5-11"	"	1118	"	"		X	X	X		"	" "
13	" " - 24"	"	"	"	"	X			X	V00705	20 PPM	" "
14	M-12-69 - 5-11"	"	1145	"	"		X	X	X		0 PPM	"

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	8-27-99 1550	[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:

000016

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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	Project No: IJN 98-0211	Analysis Parameters	Comments:
Phone #: (732) 532-6223	Location: M-12 WEST LANDFILL		see pg. 1
(X)DERA ( )OMA ( )Other:_____			

Samplers Name / Company : MARK LAURA / TVS PWS-007				Sample	#	VOA+15	Metals	PESTS	PAC BN	%SOLID		OVA	HNU
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles						VOA ID NUMBER		Remarks / Preservation Method
4754 15	M-12-69 - 24"	8-27-99	1145	Soil	2	X				X	V00706	0 PPM	0 PPM <40c
16	M-12-70 - 0-6"	"	1335	"	"		X	X		X		"	"
17	" " - 24"	"	"	"	"	X				X	V00707	"	"
18	M-12-71 - 5-11"	"	~~1410~~ 1345	"	"		X	X		X		"	"
19	" " - 24"	"	"	"	"	X				X	V00708	"	"
1 20	M-12-72 - 7-13"	"	1410	"	"		X	X		X			
21	" " - 24"	"	"	"	"	X				X	V00709		
22	M-12-73	"	1430	"	"		X	X		X			
23	" " - 24"	"	"	"	"	X				X	V00710		
24	FIELD DUP.	"	ENTERED				X	X		X			
25	" " - 24"	"		"	"	X				X	V00711		

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Mark Laura	8-27-99 1550	J. Allgaier			
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:

000017

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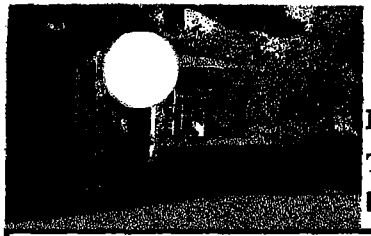

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NJDEP Certification #13461

Chain of Custody Record

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

Project No: IJN 98-0211
Location: M-12 WEST LANDFILL

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

Comments: Cal. #1 OVA; Cal #2 HNU; O.K. (MAL)

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
47600.1	TRIP BLANK	8-30-99	—	METH.	1	X				V00679	—	HNU <40c
2	M-12-74-6-12"	"	0910	soil	2		X	X	X		0 PPM	0 PPM "
3	" " -24"	"	"	"	"	X			X	V00680	"	" "
4	M-12-75-6-12"	"	0930	"	"		X	X	X		"	" "
5	" " -24"	"	"	"	"	X			X	V00681	"	" "
6	M-12-76-3-9"	"	"	"	"		X	X	X		"	" "
7	" " -24"	"	"	"	"	X			X	V00682	"	" "
8	M-12-77-6-12"	"	1040	"	"		X	X	X		"	" "
9	" " -24"	"	"	"	"	X			X	V00683	"	" "
10	M-12-78-6-12"	"	1055	"	"		X	X	X		10 PPM	0 PPM "
11	" " -24"	"	"	"	"	X			X	V00684	0 PPM	" "
12	M-12-79-3-9"	"	1115	"	"		X	X	X		"	" "
13	" " -24"	"	"	"	"	X			X	V00685	20 PPM	" "
14	M-12-80-6-12"	"	1130	"	"		X	X	X		0 PPM	" "

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Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Mark Laura	8-30-99 1535	J. Clayton			
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:

000018

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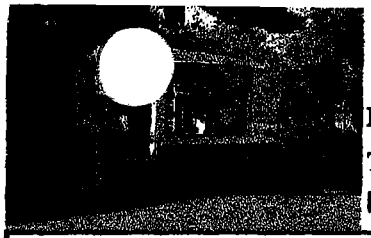

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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV | Project No: IJN 98-0211
Phone #: (732) 532-6223 | Location: M-12 WEST LANDFILL
(X)DERA ( )OMA ( )Other:_____
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 PAH	% SOLID	VOA ID NUMBER	OVA	Comments: HNU Remarks / Preservation Method
47600, 15	M-12-80-24"	8-30-99	1130	Soil	2	X			X	V00686	0 PPM	0 PPM <4°C
16	M-12-81-6-12"	"	1149	"	"		X	X	X		"	" "
17	" " - 24"	"	~~1305~~	"	"	X			X	V00712	"	" "
18	M-12-82 - 6-12"	"	1305	"	"		X	X	X		"	" "
19	" " - 24"	"	"	"	"	X			X	V00713	40 PPM	" "
20	M-12-83 - 5-11"	"	1340	"	"		X	X	X		0 PPM	" "
21	" " - 24"	"	"	"	"	X			X	V00714	"	" "
22	M-12-84 - 6-12"	"	1405	"	"		X	X	X		"	" "
23	" " - 24"	"	"	"	"	X			X	V00715	"	" "
24	M-12-85 - 4-10"	"	1423	"	"		X	X	X		"	" "
25	" " - 24"	"	"	"	"	X			X	V00716	"	" "
26	M-12-86 - 6-12"	"	1430	"	"		X	X	X		"	" "
27	" " - 24"	"	"	"	"	X			X	V00717	"	" "
28	M-12-87 - 5-11"	"	1458	"	"		X	X	X		"	" "

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Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Mark Laura	8-30-99 1535				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

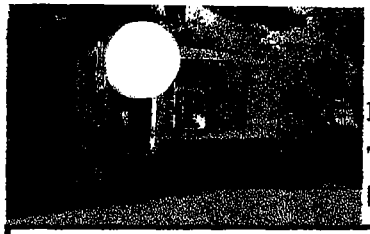
Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

000049

print legibly

Custodydera.xls7/27/99



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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: M-12 WEST 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 PAB N	%SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
4760.29	M-12-87-24"	8-30-99	1458	soil	2	X			X	V00718	40 PPM	0 PPM ≤4°C
30	M-12-88-54"	"	1514	"	"		X	X	X		0 PPM	" "
31	" " - 24"	"	"	"	"	X			X	V00719	"	" "

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Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Mark Laura	8-30-99 1535				
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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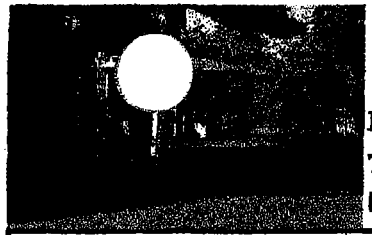

Fort Monmouth Envi[illegible]mental Testing Laboratory

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Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV | Project No: IJN 98-0211
Phone #: (732) 532-6223 | Location: M-12 WEST LANDFILL
(X)DERA ( )OMA ( )Other:_____

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

Analysis Parameters

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PEST PCB PAN	%SOLID	VOA ID NUMBER	OVA	Comments: Remarks / Preservation Method
47102. 1	TRIP BLANK	8-31-99	—	METH	1	X				V00720	—	HNU <4°C
2	M-12-89-3-9"	"	0950	SOIL	2		X	X	X		0 PPM	0 PPM "
3	" " - 24"	"	"	"	"	X			X	V00721	"	" "
4	M-12-90-6-12"	"	1020	"	"		X	X	X		20 PPM	" "
5	" " - 24"	"	"	"	"	X			X	V00722	0 PPM	" "
6	M-12-91-4-10"	"	1033	"	"		X	X	X		"	" "
7	" " - 24"	"	"	"	"	X			X	V00723	"	" "
1 8	M-12-92-6-12"	"	[illegible]	"	"		X	X	X		400 PPM	" "
9	" " - 24"	"	"	"	"	X			X	V00724	0 PPM	" "
10	M-12-93-2-8"	"	1110	"	"		X	X	X		20 PPM	" "
11	" " - 24"	"	"	"	"	X			X	V00725	20 PPM	" "
12	M-12-94-4-10"	"	1125	"	"		X	X	X		0 PPM	" "
13	" " - 24"	"	"	"	"	X			X	V00726	"	" "
14	M-12-95-6-12"	"	1145	"	"		X	X	X		"	" "

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[signature]	8-31-99 1500	[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:

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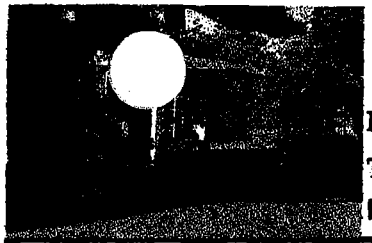

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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV	Project No: IJN 98-0211	Analysis Parameters	Comments:
Phone #: (732) 532-6223	Location: M-12 WEST LANDFILL		
(X)DERA ( )OMA ( )Other:_____			

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
47162. 15	M-12-95 - 24"	8-31-99	1145	SOIL	2	X			X	V00727	0 PPM	0 PPM 24oz
16	M-12-96 - 6-12"	"	1305	"	"		X	X	X		"	" "
17	" " - 24"	"	"	"	"	X			X	V00728	100 PPM	" "
18	M-12-97 - 6-12"	"	1340	"	"		X	X	X		0 PPM	" "
19	" " - 24"	"	"	"	"	X			X	V00729	"	" "
20	M-12-98 - 3-9"	"	1400	"	"		X	X	X		"	" "
21	" " - 24"	"	"	"	"	X			X	V00730	"	" "
22	M-12-99 - 4-10"	"	1420	"	"			X	X		"	" "
23	" " - 24"	"	"	"	"	X			X	V00731	"	" "
24	M-12-100 - 6-12"	"	1435	"	"		X	X	X		"	" "
25	" " - 24"	"	"	"	"	X			X	V00732	"	" "
26	M-12-101 - 6-12"	"	1445	"	"		X	X	X		"	" "
27	" " - 24"	"	"	"	"	X			X	V00733	"	" "
28	M-12-102 - 6-12"	"	1455	"	"		X	X	X		"	" "

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[signature]	8-31-99 1500	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, ( )Standard, ( )Screen / non-certified

Turnaround time: (X)Standard 4 wks, ( )[illegible] Days, ( )ASAP Verbal ___ Hrs.

Remarks:

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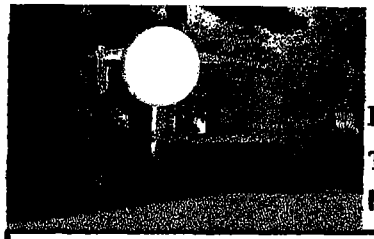

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NJDEP Certification #13461

Chain of Custody Record

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

Project No: IJN 98-0211
Location: M-12 WEST 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	Comments: HNU Remarks / Preservation Method
47462.29	M-12-102 - 24"	8-31-99	1455	soil	2	X			X	V00734	8PPM	0PPM <4E
30	FIELD DUP.-6-12"	"	—	"	"		X	X	X		"	" "
31	" " - 24"	"	—	"	"	X			X	V00735	"	" "

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Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Mark Laura	8-31-99 1500	J. Clayton			
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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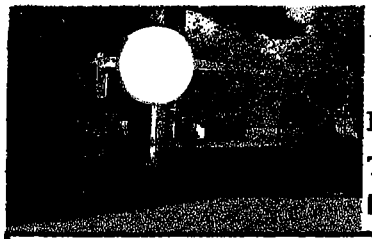

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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV	Project No: IJN 98-0211
Phone #: (732) 532-6223	Location: M-12- WEST LANDFILL
(X)DERA ( )OMA ( )Other:_____	

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

Analysis Parameters

Comments: Cal. #1 OVA > O.K. Cal. #2 HNU (MD)

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PESTBN	%SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
4774. 1	TRIP BLANK	9-7-99	—	METH.	1	X				V00747	—	HNU <4°C
2	M-12-103 - 6-12"	"	0940	SOIL	2		X	X	X		0 PPM	0 PPM "
3	" " - 24"	"	"	"	"	X			X	V00748	1 PPM	0 PPM "
4	M-12-104 - 3-9"	"	0955	"	"		X	X	X		0 PPM	" "
5	" " - 24"	"	"	"	"	X			X	V00749	"	" "
6	M-12-105 - 0-6"	"	1015	"	"		X	X	X		"	" "
7	" " - 24"	"							X	V00750	"	" "
8	M-12-106 - 0-6"	"	1035	"	"		X	X	X		"	" "
9	" " - 24"	"	"	"	"	X			X	V00751	"	" "
10	M-12-107 - 4-10"	"	1050	"	"		X	X	X		"	" "
11	" " - 24"	"	"	"	"	X			X	V00752	"	" "
12	M-12-108 - 5-11"	"	1110	"	"		X	X	X		"	" "
13	" " - 24"	"	"	"	"	X			X	V00753	"	" "
14	M-12-109 - 6-12"	"	1130	"	"		X	X	X		"	" "

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Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Mark Laura	9-7-99 1430	J. Chylinski			
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

| | | |

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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: M-12 WEST LANDFILL

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

Analysis Parameters: VOA+15; Metals; PEST PCB PAH SOLID; VOA ID NUMBER; OVA

Comments: Cal. #1 OVA O.K. Cal. #2 HNU > (10) HNU

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PEST PCB PAH	SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
4777. 1	TRIP BLANK	9-8-99	—	soil	1	X	X			V00760	—	— 4°C
2	M-12-114 - 4-10"	"	0905	"	2		X	X	X		0 PPM	0 PPM "
3	" " - 24"	"	"	"	"	X			X	V00761	"	" "
4	M-12-115 - 6-12"	"	0920	"	"		X	X	X		"	" "
5	" " - 24"	"	"	"	"	X			X	V00762	40 PPM	" "
6	M-12-116 - 0-6"	"	0935	"	"		X	X	X		0 PPM	" "
7	" " - 24"	"	"	"	"	X			X	V00763	"	" "
* 8	M-12-117 - 4-10"	"	0950	"	"		X	X	X		"	" "
9	" " - 24"	"	ENTERED						X	V00764	"	" "
10	M-12-118 - 4-10"	"	1040	"	"		X	X	X		"	" "
11	" " - 24"	"	"	"	"	X			X	V00765	"	" "
12	M-12-119 - 0-6"	"	1115	"	"		X	X	X		"	" "
13	" " - 24"	"	"	"	"	X			X	V00766	15 PPM	" "
14	M-12-120 -	"	1145	"	"		X	X	X		0 PPM	" "

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Mark Laura	9-8-99 1510				
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: * THIS LOCATION HAND AUGERED

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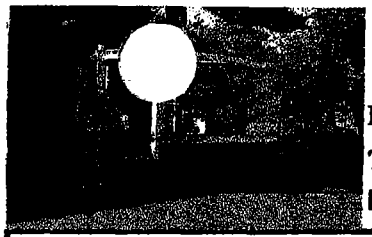

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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV	Project No: IJN 98-0211	
Phone #: (732) 532-6223	Location: M-12-WEST LANDFILL	
(X)DERA ( )OMA ( )Other:_____		

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

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PESTPCBAN	%SOLID	VOA ID NUMBER	OVA	HNU Remarks / Preservation Method
4777. 15	M-12-120-24"	9-8-99	1145	soil	2	X			X	V00767	0 ppm	0 ppm <4°c
16	M-12-121-0-6"	"	1330	"	"		X	X	X		"	" "
17	" " - 24"	"	"	"	"	X			X	V00768	"	" "
18	M-12-122-0-6"	"	[illegible]				X	X	X		"	" "
19	" " - 24"	"	"	"	"	X			X	V00769	"	" "
20	M-12-123-0-6"	"	1410	"	"		X	X	X		"	" "
21	" " - 24"	"	"	"	"	X			X	V00770	"	" "
22	M-12-124-0-6"	"	1425	"	"		X	X	X		"	" "
23	" " - 24"	"	"	"	"	X			X	V00771	"	" "
24	M-12-125-0-6"	"	1435	"	"		X	X	X		"	" "
25	" " - 24"	"	"	"	"	X			X	V00772	"	" "
26	M-12-126-0-6"	"	1448	"	"		X	X	X		"	" "
27	" " 24"	"	"	"	"	X			X	V00773	"	" "

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Mark Laura	9-8-99 1510	[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 | Project No: IJN 98-0211
Phone #: (732) 532-6223 | Location: M-12 WEST LANDFILL
(X)DERA ( )OMA ( )Other:_____
Samplers Name / Company : MARK LAURA / TVS PWS-007

Comments: Cal. #1 OVA O.K. Cal. #2 HNU (MU) HNU

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA+15	Metals	PEST PCB	% SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
1790. 01	TRIP BLANK	9-15-99	—	METH.	1	X				V00774	—	<4°C
02	127 0-6"	"	0930	SOIL	2		X	X	X		0 PPM	0 PPM
03	" 24"	"	"	"	"	X			X	V00775		
04	128 0-6"	"	0950	"	"		X	X	X	"		
05	" 24"	"	"	"	"	X			X	V00776		
06	129 0-6"	"	1015	"	"		X	X	X			
07	" 24"	"	"	"	"	X			X	V00777		
08	130 0-6"	"	1030	"	"		X	X	X			
09	" 24"	"	"	"	"	X			X	V00778		
10	131 0-6"	"	1050	"	"		X	X	X			
11	" 24"	"	"	"	"	X			X	V00779		
12	132 0-6"	"	1115	"	"		X	X	X			
13	" 24"	"	"	"	"	X			X	V00780		
14	133 0-6"	"	1135	"	"		X	X	X			

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[signature]	9-15-99 1445	[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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Fort Monmouth Environmental Testing Laboratory

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Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@mail1.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-12 WEST 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	Comments: HNU Remarks / Preservation Method
4790. 15	133 – 24"	9-15-99	1135	Soil	2	X			X	V00781	0 PPM	0 PPM 4°C
16	134 – 0-6"	"	1148	"	"		X	X	X		"	"
17	" – 24"	"	"	"	"	X			X	V00782	"	"
18	135 – 0-6"	"	1300	"	"		X	X	X		"	"
19	" – 24"	"	"	"	"	X			X	V00784	"	"
20	136 – 0-6"	"	1325	"	"		X	X	X		"	"
21	" – 24"	"	"	"	"	X			X	V00785	"	"
22	137 – 0-6"	"	1350	"	"		X	X	X		"	"
23	" – 24"	"	"	"	"	X			X	V00786	"	"
24	138 – 0-6"	"	1410	"	"		X	X	X		"	"
25	" – 24"	"	"	"	"	X			X	V00787	"	"
26	139 – 0-6"	"	1425	"	"		X	X	X		"	"
27	" – 24"	"	"	"	"	X			X	V00788	"	"

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Mark Laura	9-15-99 1445	J. Mulcahy			
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: M-12 West 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	Comments: HNU Remarks / Preservation Method
4790.28	Field Dup. 0-6"	9-15-99	—	soil	2		X	X	X		0 ppm	0 ppm <4oc
29	" " 24"	"	—	"	"	X			X	V00795	"	" "

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Matt Laura	9-15-99 1445	J. Shepherd			
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 | Project No: IJN 98-0211
Phone #: (732) 532-6223 | Location: M-12 WEST LANDFILL
(X)DERA ( )OMA ( )Other:_____
Samplers Name / Company : MARK LAURA / TVS PWS-007

Comments: Cal #1 OVA #2 HNU calc.

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PESTBN	PAACBN	%SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
4193. 1	TRIP BLANK	9-20-99	—	METH.	1	X					V00789	—	HNU cal
2	140 0-6"	"	0900	soil	2		X	X	X				
3	" 24"	"	"	"	"	X				X	V00790		
4	141 0-6"	"	0920	"	"		X	X	X				
5	" 24"	"	"	"	"	X				X	V00791		
6	142 0-6"	"	0935	"	"		X	X	X				
7	" 24"	"	"	"	"	X				X	V00792		
* 8	143 0-6"	"	0948	"	"		X	X	X				
9	" 24"	"	"	"	"	X				X	V00793		
10	144 0-6"	"	1000	"	"		X	X	X				
11	" 24"	"	"	"	"	X				X	V00794		
12	145 0-6"	"	1012	"	"		X	X	X				
13	" 24"	"	"	"	"	X				X	V00796		
* 14	146 0-6"	"	1025	"	"		X	X	X				

ENTERED

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	9-20-99 1115	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
		[signature]			

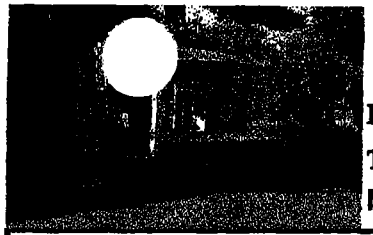
Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: * LOC. HAND AUGERED

000031

print legibly

Custodydera.xls9/15/99



Fort Monmouth Envi nmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV	Project No: IJN 98-0211	Analysis Parameters	Comments:
Phone #: (732) 532-6223	Location: M-12 WEST LANDFILL		see pg. 1
(X)DERA ( )OMA ( )Other:_____			HASU

Samplers Name / Company : MARK LAURA / TVS PWS-007				Sample	#	VOA+15	Metals	PESTPCBPAN	%SOLID	VOA ID NUMBER	OVA	Remarks / Preservation Method
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles							
4793.15	146 – 24"	9-20-99	1025	SOIL	2	X			X	V00797		4°C
* 16	147 – 0-6"	"	1040	"	"		X	X	X			
17	" – 24"	"	"	"	"	X			X	V00798		
* 18	148 – 0-6"	"	1055	"	"		X	X	X			
19	" – 24"	"	"	"	"	X			X	V00799		

ENTERED

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Matt Laura	9-20-99	J. Velez			
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.

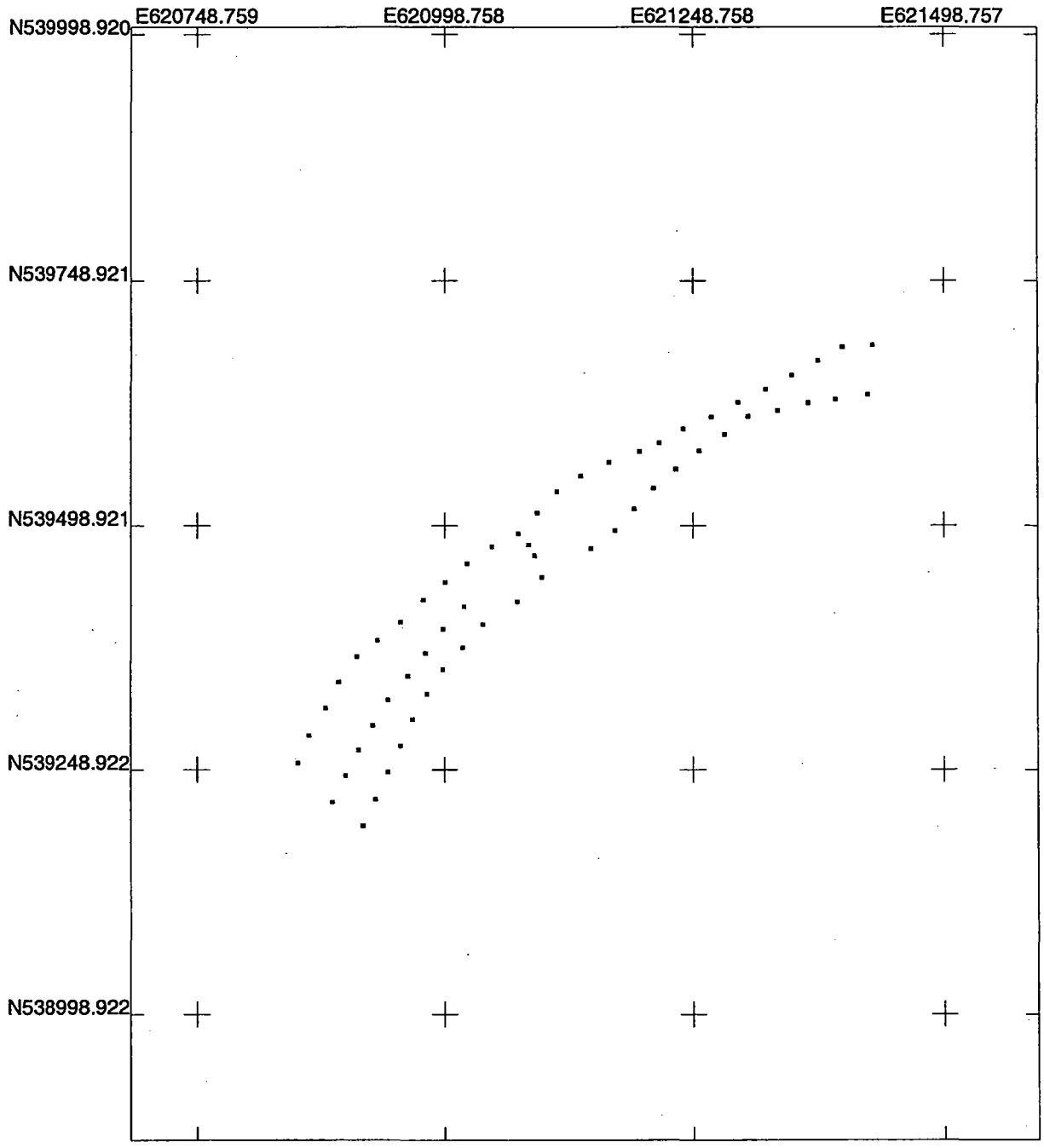
Remarks:

000032

print legibly

Custodydera.xls9/15/99

GPS MAPS



M12 GPS Location Map

US State Plane 1983
New Jersey (NY East) 2900
NAD 1983 (Conus)

N

Scale 1:2000
0 250.0
US Survey Feet

m12 r051412.cor
10/19/1999
Pathfinder Office
Trimble

M12 LANDFILL SITE GPS POSITION & COORDINATES

US STATE PLANE 1983 NJ (NY EAST) 2900 NAD 1983 (CONUS)

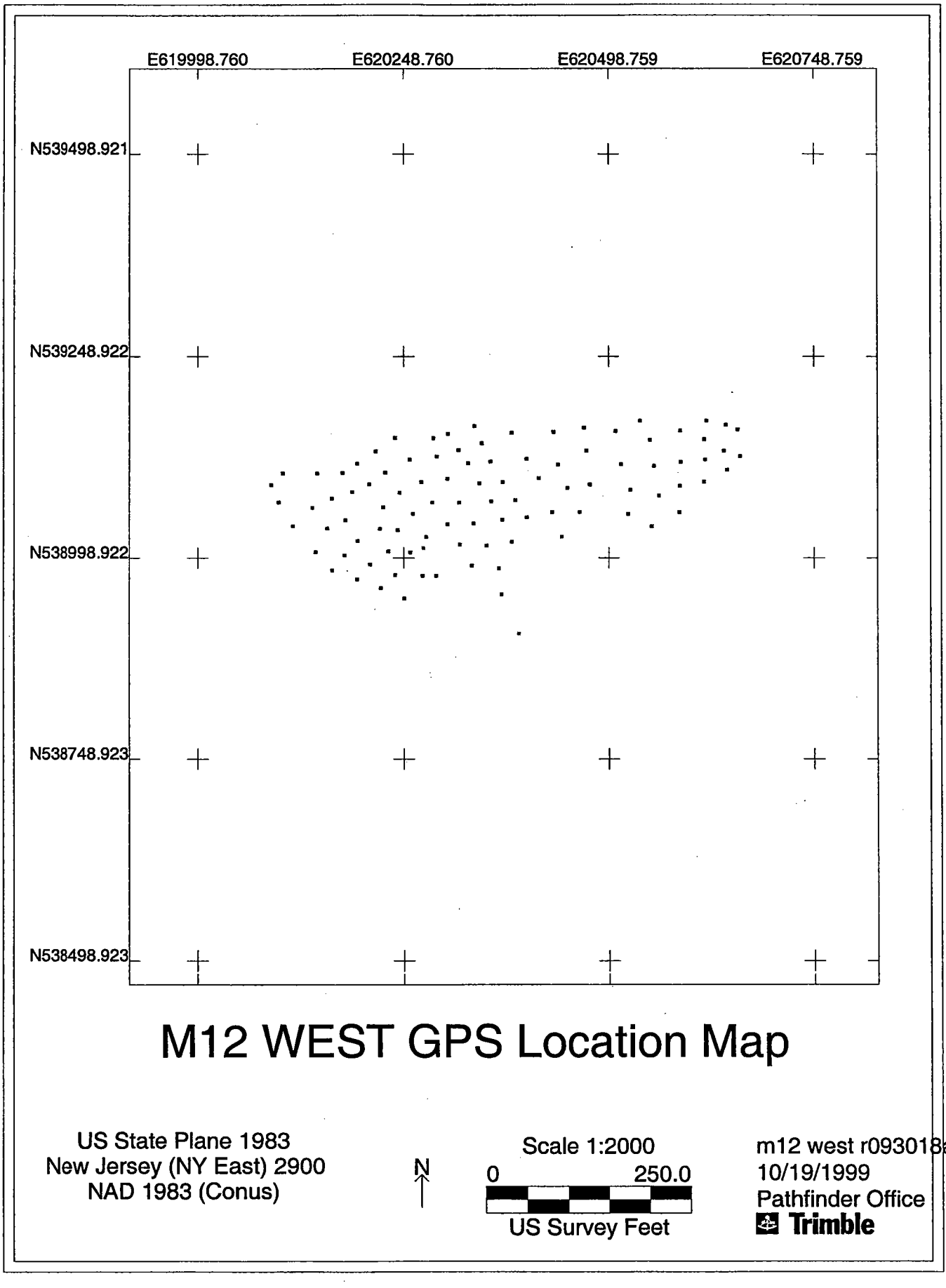
(IN US SURVEY FEET)

POSITION / DESC.	Y COORD. (NORTHING)	X COORD. (EASTING)
1	539683.565	621426.535
2	539681.59	621396.826
3	539667.572	621372.124
4	539652.611	621346.256
5	539638.075	621320.916
6	539624.742	621293.522
7	539609.904	621266.485
8	539597.816	621238.423
9	539583.583	621214.282
10	539574.888	621194.26
11	539563.71	621163.941
12	539549.801	621135.395
13	539533.868	621111.672
14	539511.993	621091.785
15-A	539491.116	621073.112
15-B	539479.666	621083.141
15-C	539468.384	621089.13
15	539632.7	621422.51
16	539627.857	621390.235
17	539624.402	621363.135
18	539616.303	621332.857
19	539610.542	621303.276
20	539592.423	621279.73
21	539575.723	621254.368
22	539556.45	621230.999
23	539537.385	621208.458
24	539516.16	621189.245
25	539494.394	621169.678
26	539475.771	621145.495
27	539441.145	620998.173
28	539423.262	620975.894
29	539400.718	620952.671
30	539381.597	620929.137
31	539364.862	620908.456
32	539338.767	620890.557
33	539312.269	620877.224
34	539284.165	620860.088
35	539255.92	620849.2
36	539416.517	621017.529
37	539393.145	620995.928
38	539368.447	620977.973

39	539345.121	620960.801
40	539320.5	620940.178
41	539294.583	620924.738
42	539269.209	620910.806
43	539243.284	620897.087
44	539216.446	620883.981
45	539351.512	620996.265
46	539326.534	620979.901
47	539300.775	620965.494
48	539274.012	620953.137
49	539246.696	620940.178
50	539218.901	620927.405
51	539192.082	620914.883

NATIVE BORINGS (NO SAMPLE)

POSITION / DESC.	Y COORD. (NORTHING)	X COORD. (EASTING)
NATIVE 1	539398.288	621037.282
NATIVE 2	539421.609	621071.792
NATIVE 3	539446.556	621096.403
NATIVE 4	539460.646	621020.53
NATIVE 5	539477.982	621046.441
NATIVE 6	539374.25	621016.044



M12 WEST GPS Location Map

US State Plane 1983
New Jersey (NY East) 2900
NAD 1983 (Conus)

N

Scale 1:2000
0 250.0
US Survey Feet

m12 west r093018a.cor
10/19/1999
Pathfinder Office
Trimble

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M12 WEST LANDFILL SITE GPS POSITION & COORDINATES

US STATE PLANE 1983 NJ (NY EAST) 2900 NAD 1983 (CONUS)

(IN US SURVEY FEET)

SAMPLE POINTS

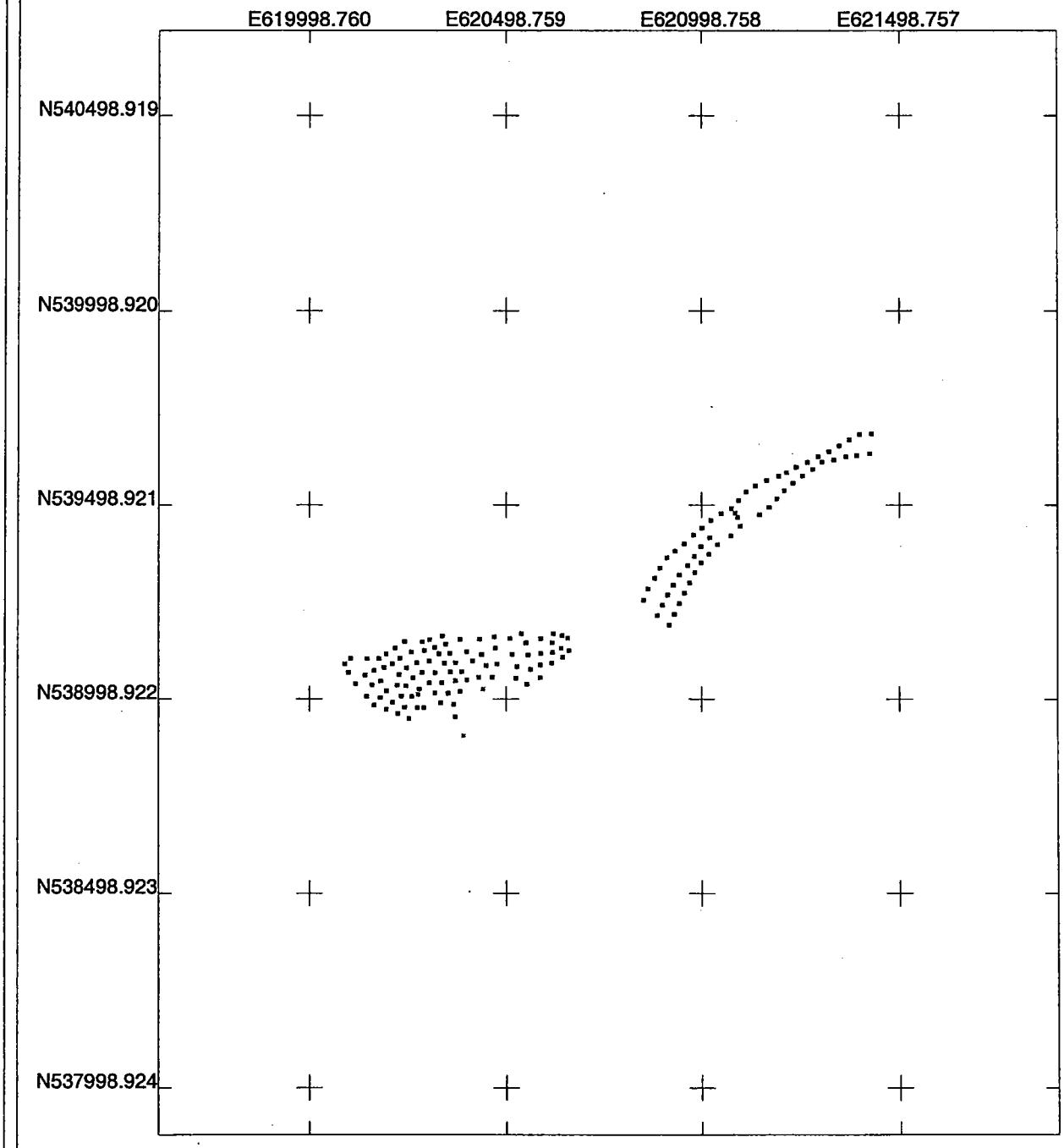
POSITION / DESC.	Y COORD. (NORTHING)	X COORD. (EASTING)
52	538984.034	620160.357
53	539006.806	620140.418
54	539039.057	620112.879
55	539068.326	620095.626
56	539089.953	620086.838
57	538972.779	620190.688
58	539003.006	620175.587
59	539036.315	620154.538
60	539061.649	620136.705
61	539104.371	620100.719
63	538962.011	620219.78
64	538991.431	620206.616
65	539020.575	620191.504
66	539046.291	620176.563
67	539073.081	620160.076
68	539104.316	620142.41
69	538948.921	620248.476
70	538978.272	620237.424
71	539007.697	620229.009
72	539035.52	620218.747
73	539081.292	620184.841
74	539104.711	620172.933
75	538977.242	620270.631
76	539006.526	620256.09
77	539033.992	620240.695
78	539062.264	620223.067
79	539090.918	620205.753
80	539116.346	620191.022
81	538977.364	620287.403
82	539025.508	620275.295
83	539054.388	620259.229
84	539080.36	620243.071
85	539105.095	620225.363
86	539131.503	620213.714
87	538989.78	620330.616
88	539016.015	620315.989
89	539041.324	620301.351

90	539068.482	620282.569
91	539093.432	620269.252
92	539121.263	620255.161
93	539148.183	620237.409
94	538953.91	620366.827
95	538986.383	620363.584
96	539014.816	620348.756
97	539042.389	620332.963
98	539068.09	620315.506
99	539097.547	620301.053
100	539125.101	620288.344
101	539147.786	620284.063
102	539019.511	620379.348
103	539046.765	620367.828
104	539069.565	620354.393
105	539092.05	620339.764
106	539116.829	620326.399
107	539133.199	620314.74
108	539153.102	620301.835
109	539049.826	620397.304
110	539070.836	620383.882
111	539093.429	620368.108
112	539118.783	620353.536
113	539141.441	620342.981
114	539162.677	620334.192
115	539056.148	620427.863
116	539098.067	620411.789
117	539122.161	620397.075
118	539154.16	620379.347
119	539056.328	620462.083
120	539086.223	620446.491
121	539114.989	620435.131
122	539155.281	620429.744
126	539160.613	620467.434
125	539131.977	620470.249
124	539090.385	620474.252
127	539054.02	620521.869
128	539083.612	620524.667
129	539115.391	620513.204
130	539156.551	620506.359
131	539038.78	620550.749
132	539076.809	620559.741
133	539113.298	620553.53
134	539145.416	620548.375
135	539169.15	620536.667
136	539055.934	620584.58
137	539088.74	620585.052
138	539118.16	620586.169
139	539156.948	620585.706
140	539093.684	620614.64
141	539121.135	620616.284
142	539146.137	620614.774

143	539169.18	620617.703
144	539108.327	620642.639
145	539131.942	620638.681
146	539164.145	620641.209
147	539125.361	620658.614
148	539158.346	620655.485

REFERENCE POINTS

POSITION / DESC.	Y COORD. (NORTHING)	X COORD. (EASTING)
975 HYDRANT	539025.541	620439.363
FM COVER	538905.022	620387.84
POLE JC123OPT	539011.845	620271.741



M12 and M12 West GPS Location Map

US State Plane 1983
New Jersey (NY East) 2900
NAD 1983 (Conus)

N

Scale 1:5000
0 600.0
US Survey Feet

m12 n m12 west combo.ss
10/19/1999
Pathfinder Office
Trimble

LANDFILL COVER

M-12
Landfill Cover

Boring		Boring		Boring	
B1	Minimum 18 inch cap.	B52	Minimum 18 inch cap.	B104	Minimum 3 inch cap.
B2	Minimum 6 inch cap.	B53	Minimum 18 inch cap.	B105	Minimum 1 inch cap.
B3	Minimum 6 inch cap.	B54	Minimum 1 foot cap.	B106	Minimum 18 inch cap.
B4	Minimum 2 foot cap.	B55	Minimum 2 foot cap.	B107	Minimum 2 foot cap.
B5	Minimum 6 inch cap.	B56	Minimum 2 foot cap.	B108	Minimum 2 foot cap.
B6	Minimum 2 foot cap.	B57	Minimum 18 inch cap.	B109	Minimum 2 foot cap.
B7	Minimum 2 foot cap.	B58	Minimum 18 inch cap.	B110	Minimum 1 foot cap.
B8	Minimum 2 foot cap.	B59	Minimum 6 inch cap.	B111	Minimum 2 foot cap.
B9	Minimum 2 foot cap.	B60	Minimum 6 inch cap.	B112	Minimum 2 foot cap.
B10	Minimum 18 inch cap.	B61	Minimum 2 foot cap.	B113	Minimum 2 foot cap.
B11	Minimum 2 foot cap.	B63	Minimum 2 foot cap.	B114	Minimum 2 foot cap.
B12	Minimum 2 foot cap.	B64	Minimum 18 inch cap.	B115	Minimum 6 inch cap.
B13	Minimum 18 inch cap.	B65	Minimum 2 foot cap.	B116	Minimum 1 inch cap.
B14	Minimum 2 foot cap.	B66	Minimum 2 foot cap.	B117	Minimum 2 foot cap.
B15	Minimum 2 foot cap.	B67	Minimum 6 inch cap.	B118	Minimum 2 foot cap.
B16	Minimum 3 inch cap.	B68	Minimum 6 inch cap.	B119	Minimum 1 inch cap.
B17	Minimum 6 inch cap.	B69	Minimum 2 foot cap.	B120	Minimum 1 inch cap.
B18	Minimum 3 inch cap.	B70	Minimum 2 foot cap.	B121	Minimum 1 inch cap.
B19	Minimum 3 inch cap.	B71	Minimum 2 foot cap.	B122	Minimum 1 inch cap.
B20	Minimum 18 inch cap.	B72	Minimum 2 foot cap.	B123	Minimum 1 inch cap.
B21	Minimum 3 inch cap.	B73	Minimum 6 inch cap.	B124	Minimum 1 inch cap.
B22	Minimum 3 inch cap.	B74	Minimum 18 inch cap.	B125	Minimum 2 foot cap.
B23	Minimum 2 foot cap.	B75	Minimum 2 foot cap.	B126	Minimum 2 foot cap.
B24	Minimum 2 foot cap.	B76	Minimum 2 foot cap.	B127	Minimum 18 inch cap.
B25	Minimum 2 foot cap.	B77	Minimum 2 foot cap.	B128	Minimum 1 inch cap.
B26	Minimum 2 foot cap.	B78	Minimum 2 foot cap.	B129	Minimum 2 foot cap.
B27	Minimum 2 foot cap.	B79	Minimum 6 inch cap.	B130	Minimum 2 foot cap.
B28	Minimum 18 inch cap.	B80	Minimum 18 imch cap.	B131	Minimum 18 inch cap.
B29	Minimum 18 inch cap.	B81	Minimum 2 foot cap.	B132	Minimum 2 foot cap.
B30	Minimum 3 inch cap.	B82	Minimum 2 foot cap.	B133	Minimum 2 foot cap.
B31	Minimum 3 inch cap.	B83	Minimum 18 inch cap.	B134	Minimum 2 foot cap.
B32	Minimum 1foot cap.	B84	Minimum 18 inch cap.	B135	Minimum 2 foot cap.
B33	Minimum 3 inch cap.	B85	Minimum 18 inch cap.	B136	Minimum 1 foot cap.
B34	Minimum 1 foot cap.	B86	Minimum 2 foot cap.	B137	Minimum 1 inch cap.
B35	Minimum 3 inch cap.	B87	Minimum 2 foot cap.	B138	Minimum 2 foot cap.
B36	Minimum 2 foot cap.	B88	Minimum 2 foot cap.	B139	Minimum 1 inch cap.
B37	Minimum 3 inch cap.	B89	Minimum 1 foot cap.	B140	Minimum 2 foot cap.
B38	Minimum 3 inch cap.	B90	Minimum 6 inch cap.	B141	Minimum 2 foot cap.
B39	Minimum 6 inch cap.	B91	Minimum 6 inch cap.	B142	Minimum 2 foot cap.
B40	Minimum 6 inch cap.	B92	Minimum 2 foot cap.	B143	Minimum 2 foot cap.
B41	Minimum 2 foot cap.	B93	Minimum 2 foot cap.	B144	Minimum 1 foot cap.
B42	Minimum 6 inch cap.	B94	Minimum 2 foot cap.	B145	Minimum 2 foot cap.
B43	Minimum 1 foot cap.	B95	Minimum 2 foot cap.	B146	Minimum 2 foot cap.
B44	Minimum 2 foot cap.	B96	Minimum 2 foot cap.	B147	Minimum 2 foot cap.
B45	Minimum 1 foot cap.	B97	Minimum 2 foot cap.	B148	Minimum 2 foot cap.
B46	Minimum 6 inch cap.	B98	Minimum 2 foot cap.		
B47	Minimum 6 inch cap.	B99	Minimum 18 inch cap.		
B48	Minimum 1 foot cap.	B100	Minimum 1 foot cap.		
B49	Minimum 6 inch cap.	B101	Minimum 2 foot cap.		
B50	Minimum 1 foot cap.	B102	Minimum 2 foot cap.		
B51	Minimum 3 inch cap.	B103	Minimum 1 foot cap.		

FIELD DUPLICATE IDENTIFICATION

Field Duplicate Identification

Sample ID	Lab ID	Field Duplicate
M12 B-20 6-12"	3425.02	3425.24
M12 B-20 24"	3425.03	3425.25
M12 B-40 6-12"	3428.20	3428.24
M12 B-40 24"	3428.21	3428.25
M12 B-72 7-13"	4754.20	4754.24
M12 B-72 24"	4754.21	4754.25
M12 B-92 6-12"	4762.08	4762.30
M12 B-92 24"	4762.09	4762.31
M12 B-112 6-12"	4774.20	4774.24
M12 B-112 24"	4774.21	4774.25
M12 B-134 0-6"	4790.16	4790.28
M12 B-134 24"	4790.17	4790.29

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.

CASE NARRATIVE

CASE NARRATIVE

Site: M-12/ Landfill Cover

Lab ID: 3420, 3424, 3425, 3428, 3432, 4748, 4754, 4760, 4762, 4774, 4777, 4790, 4793

There is no sample designated Boring 62 (B-62). This number was overlooked.

Acetone is found in the Trip Blank and all of the samples taken on 8/31/99.

LABORATORY CHRONICLE

Laboratory Chronicle

Lab ID: 3420 **Site:** M-12

	Date	Hold Time
Date Sampled	03/19/98	NA
Receipt/Refrigeration	03/19/98	NA
Extractions		
1. Semivolatiles	03/24/98	14 Days
2. Pest/PCB's	03/20,23/98	14 Days
Analyses		
1. Volatile Organics	03/27/98, 04/01/98	14 days
2. Semivolatiles	04/02/98	40 Days
3. Pest/PCB's	04/25/98	40 Days
4. Metals	03/31/98	6 Months
5. Mercury	03/27/98	28 Days

Laboratory Chronicle

Lab ID: 3424 **Site:** M-12

	Date	Hold Time
Date Sampled	03/20/98	NA
Receipt/Refrigeration	03/20/98	NA
Extractions		
1. Semivolatiles	03/24/98	14 Days
2. Pest/PCB's	03/23,25/98	14 Days
Analyses		
1. Volatile Organics	04/01/98	14 days
2. Semivolatiles	04/02,03/98	40 Days
3. Pest/PCB's	05/01,02/98	40 Days
4. Metals	03/31/98	6 Months
5. Mercury	03/27/98	28 Days

Laboratory Chronicle

Lab ID: 3425 **Site:** M-12

	Date	Hold Time
Date Sampled	03/23/98	NA
Receipt/Refrigeration	03/23/98	NA
Extractions		
1. Semivolatiles	03/24/98	14 Days
2. Pest/PCB's	03/25/98	14 Days
Analyses		
1. Volatile Organics	04/03,04/98	14 days
2. Semivolatiles	04/03,06,07,08/98	40 Days
3. Pest/PCB's	05/02,04/98	40 Days
4. Metals	03/31/98	6 Months
5. Mercury	03/27/98	28 Days

Laboratory Chronicle

Lab ID: 3428 **Site:** M-12

	Date	Hold Time
Date Sampled	03/24/98	NA
Receipt/Refrigeration	03/24/98	NA
Extractions		
1. Semivolatiles	03/26/98	14 Days
2. Pest/PCB's	03/25/98	14 Days
Analyses		
1. Volatile Organics	04/06/98	14 days
2. Semivolatiles	04/07,08/98	40 Days
3. Pest/PCB's	05/04,15/98	40 Days
4. Metals	03/31/98	6 Months
5. Mercury	04/01/98	28 Days

Laboratory Chronicle

Lab ID: 3432 **Site:** M-12

	Date	Hold Time
Date Sampled	03/25/98	NA
Receipt/Refrigeration	03/25/98	NA
Extractions		
1. Semivolatiles	03/26/98	14 Days
2. Pest/PCB's	03/26,27/98	14 Days
Analyses		
1. Volatile Organics	04/07/98	14 days
2. Semivolatiles	04/09,10/98	40 Days
3. Pest/PCB's	05/05,06/98	40 Days
4. Metals	03/31/98	6 Months
5. Mercury	04/01/98	28 Days

Laboratory Chronicle

Lab ID: 4748 **Site:** M-12

	Date	Hold Time
Date Sampled	08/26/99	NA
Receipt/Refrigeration	08/26/99	NA
Extractions		
1. Semivolatiles	08/27/99	14 Days
2. Pest/PCB's	08/27/99	14 Days
Analyses		
1. Volatile Organics	09/01/99	14 days
2. Semivolatiles	09/01,02/99	40 Days
3. Pest/PCB's	09/22/99	40 Days
4. Metals	09/01/99	6 Months
5. Mercury	09/01/99	28 Days

Laboratory Chronicle

Lab ID: 4754 **Site:** M-12

	Date	Hold Time
Date Sampled	08/27/99	NA
Receipt/Refrigeration	08/27/99	NA
Extractions		
1. Semivolatiles	08/31/99	14 Days
2. Pest/PCB's	08/30/99	14 Days
Analyses		
1. Volatile Organics	09/01,02/99	14 days
2. Semivolatiles	09/02,03/99	40 Days
3. Pest/PCB's	09/24/99	40 Days
4. Metals	09/09/99	6 Months
5. Mercury	09/08/99	28 Days

Laboratory Chronicle

Lab ID: 4760 **Site:** M-12

	Date	Hold Time
Date Sampled	08/30/99	NA
Receipt/Refrigeration	08/30/99	NA
Extractions		
1. Semivolatiles	08/31/99, 09/02/99	14 Days
2. Pest/PCB's	09/01/99	14 Days
Analyses		
1. Volatile Organics	09/01,02,03/99	14 days
2. Semivolatiles	09/03,07/99	40 Days
3. Pest/PCB's	09/27,28/99	40 Days
4. Metals	09/09/99	6 Months
5. Mercury	09/08/99	28 Days

Laboratory Chronicle

Lab ID: 4762 **Site:** M-12

	Date	Hold Time
Date Sampled	08/31/99	NA
Receipt/Refrigeration	08/31/99	NA
Extractions		
1. Semivolatiles	09/02,08/99	14 Days
2. Pest/PCB's	09/01,03/99	14 Days
Analyses		
1. Volatile Organics	09/08/99	14 days
2. Semivolatiles	09/08/99	40 Days
3. Pest/PCB's	09/28/99, 10/06,07/99	40 Days
4. Metals	09/09/99	6 Months
5. Mercury	09/08/99	28 Days

Laboratory Chronicle

Lab ID: 4774 **Site:** M-12

	Date	Hold Time
Date Sampled	09/07/99	NA
Receipt/Refrigeration	09/07/99	NA
Extractions		
1. Semivolatiles	09/08/99	14 Days
2. Pest/PCB's	09/10/99	14 Days
Analyses		
1. Volatile Organics	09/09/99	14 days
2. Semivolatiles	09/09/99	40 Days
3. Pest/PCB's	10/15,18/99	40 Days
4. Metals	09/09/99	6 Months
5. Mercury	09/08/99	28 Days

Laboratory Chronicle

Lab ID: 4777 **Site:** M-12

	Date	Hold Time
Date Sampled	09/08/99	NA
Receipt/Refrigeration	09/08/99	NA
Extractions		
1. Semivolatiles	09/20/99	14 Days
2. Pest/PCB's	09/10,13/99	14 Days
Analyses		
1. Volatile Organics	09/15,20/99	14 days
2. Semivolatiles	09/21,23,27/99	40 Days
3. Pest/PCB's	10/18,19/99	40 Days
4. Metals	09/22/99	6 Months
5. Mercury	09/14/99	28 Days

Laboratory Chronicle

Lab ID: 4790 **Site:** M-12

	Date	Hold Time
Date Sampled	09/15/99	NA
Receipt/Refrigeration	09/15/99	NA
Extractions		
1. Semivolatiles	09/22/99	14 Days
2. Pest/PCB's	09/21/99	14 Days
Analyses		
1. Volatile Organics	09/20,21/99	14 days
2. Semivolatiles	09/23,24,27,29/99, 10/01/99	40 Days
3. Pest/PCB's	10/21/99	40 Days
4. Metals	09/22/99	6 Months
5. Mercury	09/21/99	28 Days

Laboratory Chronicle

Lab ID: 4793 **Site:** M-12

	Date	Hold Time
Date Sampled	09/20/99	NA
Receipt/Refrigeration	09/20/99	NA
Extractions		
1. Semivolatiles	09/22/99	14 Days
2. Pest/PCB's	09/21/99	14 Days
Analyses		
1. Volatile Organics	09/29/99	14 days
2. Semivolatiles	09/24,27/99	40 Days
3. Pest/PCB's	10/22/99	40 Days
4. Metals	09/22/99	6 Months
5. Mercury	09/21/99	28 Days

SOIL CLEANUP 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

VOLATILE ORGANICS

METHOD BLANKS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

VBLK40

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 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: 03/19/98

% 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:

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

000218

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK40

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 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: 03/19/98

% 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

VBLK40

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 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: 03/19/98

% 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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID: **VBLK42**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK42

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03414.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 0 Date Analyzed: 04/01/98

GC Column: RTX-502 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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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: **VBLK42**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK42

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03414.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 0 Date Analyzed: 04/01/98

GC Column: RTX-502 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
541-73-1	1,3-Dichlorobenzene	750	U
106-46-7	1,4-Dichlorobenzene	750	U
95-50-1	1,2-Dichlorobenzene	750	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

VBLK42

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK42

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03414.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 0 Date Analyzed: 04/01/98

GC Column: RTX-502 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: **VBLK44**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK44

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03448.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 0 Date Analyzed: 04/03/98

GC Column: RTX-502 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	880	U
107131	Acrylonitrile	880	U
75650	tert-Butyl alcohol	1600	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

FIELD ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK44

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK44

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03448.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 0 Date Analyzed: 04/03/98

GC Column: RTX-502 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: **VBLK44**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK44

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03448.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 0 Date Analyzed: 04/03/98

GC Column: RTX-502 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

VBLK45

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK45

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03467.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 0 Date Analyzed: 04/06/98

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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK45

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK45

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03467.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 0 Date Analyzed: 04/06/98

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.

VBLK45

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK45

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03467.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 0 Date Analyzed: 04/06/98

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.

VBLK46

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK46

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03486.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 0 Date Analyzed: 04/07/98

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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK46

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK46

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03486.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 0 Date Analyzed: 04/07/98

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.

VBLK46

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK46

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03486.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 0 Date Analyzed: 04/07/98

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

Vblk126

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk126

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004181.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 0 Date Analyzed: 9/1/99

GC Column: RTX502. 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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk126

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk126

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004181.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 0 Date Analyzed: 9/1/99

GC Column: RTX502. 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: **Vblk126**

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk126

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004181.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 0 Date Analyzed: 9/1/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk127

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk127

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004206.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 0 Date Analyzed: 9/2/99

GC Column: RTX502. 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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk127

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk127

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004206.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 0 Date Analyzed: 9/2/99

GC Column: RTX502. 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: **Vblk127**

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk127

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004206.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 0 Date Analyzed: 9/2/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk24

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk24

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000740.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 0 Date Analyzed: 9/1/99

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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk24

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk24

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000740.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 0 Date Analyzed: 9/1/99

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.

Vblk24

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk24

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000740.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 0 Date Analyzed: 9/1/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk25

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk25

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000746.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 0 Date Analyzed: 9/3/99

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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk25

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk25

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000746.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 0 Date Analyzed: 9/3/99

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.

Vblk25

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk25

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000746.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 0 Date Analyzed: 9/3/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk129

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk129

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004242.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 0 Date Analyzed: 9/8/99

GC Column: RTX502. 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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk129

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk129

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004242.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 0 Date Analyzed: 9/8/99

GC Column: RTX502. 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: **Vblk129**

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk129

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004242.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 0 Date Analyzed: 9/8/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk130

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk130

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004267.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 0 Date Analyzed: 9/9/99

GC Column: RTX502. 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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk130

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk130

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004267.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 0 Date Analyzed: 9/9/99

GC Column: RTX502. 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: **Vblk130**

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk130

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004267.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 0 Date Analyzed: 9/9/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk27

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk27

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000806.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 0 Date Analyzed: 9/15/99

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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk27

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk27

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000806.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 0 Date Analyzed: 9/15/99

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.

Vblk27

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk27

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000806.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 0 Date Analyzed: 9/15/99

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 NAME	RT	EST. CONC.	Q

000253

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk28

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk28

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000827.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 0 Date Analyzed: 9/20/99

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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk28

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk28

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000827.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 0 Date Analyzed: 9/20/99

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.

Vblk28

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk28

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000827.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 0 Date Analyzed: 9/20/99

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 NAME	RT	EST. CONC.	Q

000256

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk29

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk29

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000853.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 0 Date Analyzed: 9/21/99

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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk29

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk29

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000853.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 0 Date Analyzed: 9/21/99

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.

Vblk29

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk29

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000853.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 0 Date Analyzed: 9/21/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk34

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk34

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC001015.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 0 Date Analyzed: 9/29/99

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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk34

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk34

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC001015.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 0 Date Analyzed: 9/29/99

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.

Vblk34

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Vblk34

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC001015.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 0 Date Analyzed: 9/29/99

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 NAME	RT	EST. CONC.	Q

TRIP BLANKS

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 3/19/98

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.19

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03375.D

Level: (low/med) MED Date Received: 03/19/98

% 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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 3/19/98

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.19

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03375.D

Level: (low/med) MED Date Received: 03/19/98

% 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:

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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

Trip Blank 3/19/98

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.19

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03375.D

Level: (low/med) MED Date Received: 03/19/98

% 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

1A

FIELD ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 3/20/98

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03416.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 0 Date Analyzed: 04/01/98

GC Column: RTX-502 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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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 3/20/98

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03416.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 0 Date Analyzed: 04/01/98

GC Column: RTX-502 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
541-73-1	1,3-Dichlorobenzene	750	U
106-46-7	1,4-Dichlorobenzene	750	U
95-50-1	1,2-Dichlorobenzene	750	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Trip Blank 3/20/98

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03416.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 0 Date Analyzed: 04/01/98

GC Column: RTX-502 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 3/23/98

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03449.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 0 Date Analyzed: 04/03/98

GC Column: RTX-502 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	880	U
107131	Acrylonitrile	880	U
75650	tert-Butyl alcohol	1600	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 3/23/98

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03449.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 0 Date Analyzed: 04/03/98

GC Column: RTX-502 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 3/23/98

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03449.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 0 Date Analyzed: 04/03/98

GC Column: RTX-502 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 3/24/98

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03468.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 0 Date Analyzed: 04/06/98

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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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 3/24/98

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03468.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 0 Date Analyzed: 04/06/98

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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

Trip Blank 3/24/98

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03468.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 0 Date Analyzed: 04/06/98

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 3/25/98

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03487.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 0 Date Analyzed: 04/07/98

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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 3/25/98

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03487.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 0 Date Analyzed: 04/07/98

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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

Trip Blank 3/25/98

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03487.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 0 Date Analyzed: 04/07/98

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 8/26/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004182.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 0 Date Analyzed: 9/1/99

GC Column: RTX502. 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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 8 26 99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004182.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 0 Date Analyzed: 9/1/99

GC Column: RTX502. 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 8/26/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004182.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 0 Date Analyzed: 9/1/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 8/27/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004195.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 0 Date Analyzed: 9/1/99

GC Column: RTX502. 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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID: Trip Blank 8/27/99

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004195.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 0 Date Analyzed: 9/1/99

GC Column: RTX502. 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 8/27/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004195.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 0 Date Analyzed: 9/1/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 8/30/99

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000741.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 0 Date Analyzed: 9/1/99

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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 8/30/99

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000741.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 0 Date Analyzed: 9/1/99

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.

Trip Blank 8/30/99

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000741.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 0 Date Analyzed: 9/1/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 8/31/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004243.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 0 Date Analyzed: 9/8/99

GC Column: RTX502. 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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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	9800	
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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 8/31/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004243.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 0 Date Analyzed: 9/8/99

GC Column: RTX502. 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 8/31/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004243.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 0 Date Analyzed: 9/8/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 9/7/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004269.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 0 Date Analyzed: 9/9/99

GC Column: RTX502. 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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 9/7/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004269.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 0 Date Analyzed: 9/9/99

GC Column: RTX502. 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 9/7/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004269.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 0 Date Analyzed: 9/9/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 9/8/99

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000807.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 0 Date Analyzed: 9/15/99

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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 9/8/99

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000807.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 0 Date Analyzed: 9/15/99

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 9/8/99

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000807.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 0 Date Analyzed: 9/15/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 9/15/99

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000831.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 0 Date Analyzed: 9/20/99

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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 9/15/99

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000831.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 0 Date Analyzed: 9/20/99

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.

Trip Blank 9/15/99

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000831.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 0 Date Analyzed: 9/20/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 9/20/99

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC001019.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 0 Date Analyzed: 9/29/99

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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	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	3200	
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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank 9/20/99

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC001019.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 0 Date Analyzed: 9/29/99

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 9/20/99

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC001019.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 0 Date Analyzed: 9/29/99

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 NAME	RT	EST. CONC.	Q

FIELD DUPLICATES

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID: Field Dup 3/23/98

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.25

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03461.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 14.42 Date Analyzed: 04/04/98

GC Column: RTX-502 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	1900	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

Field Dup 3/23/98

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.25

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03461.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 14.42 Date Analyzed: 04/04/98

GC Column: RTX-502 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 FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Dup 3/23/98

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.25

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03461.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 14.42 Date Analyzed: 04/04/98

GC Column: RTX-502 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

000306

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-Field Dup 3/24/98

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.25

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03480.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 12.62 Date Analyzed: 04/06/98

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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-Field Dup 3/24/98

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.25

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03480.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 12.62 Date Analyzed: 04/06/98

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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-Field Dup 3/24/98

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.25

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03480.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 12.62 Date Analyzed: 04/06/98

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

Field Dup 8/27/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.25

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004217.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 12.88 Date Analyzed: 9/2/99

GC Column: RTX502. 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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dup 8/23/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.25

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004217.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 12.88 Date Analyzed: 9/2/99

GC Column: RTX502. 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: Field Dup 8/27/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.25

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004217.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 12.88 Date Analyzed: 9/2/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dup 8/31/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.31

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004268.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 11.38 Date Analyzed: 9/9/99

GC Column: RTX502. 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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3600	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	320	J
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	12000	
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	300	
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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dup 8/31/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.31

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004268.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 11.38 Date Analyzed: 9/9/99

GC Column: RTX502. 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: Field Dup 8/31/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.31

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004268.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 11.38 Date Analyzed: 9/9/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q
1.	unknown	5.33	1800	J

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dup 9/7/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.25

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004281.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 30.97 Date Analyzed: 9/10/99

GC Column: RTX502. 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	2600	U
107131	Acrylonitrile	2600	U
75650	tert-Butyl alcohol	4700	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

FIELD ID: Field Dup 9/7/99

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.25

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004281.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 30.97 Date Analyzed: 9/10/99

GC Column: RTX502. 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	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 9/7/99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.25

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004281.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 30.97 Date Analyzed: 9/10/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dup 9/15/99

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.29

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000856.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 15.05 Date Analyzed: 9/21/99

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dup 9/15/99

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.29

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000856.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 15.05 Date Analyzed: 9/21/99

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.

Field Dup 9/15/99

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.29

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000856.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 15.05 Date Analyzed: 9/21/99

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 NAME	RT	EST. CONC.	Q

SAMPLES

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-1

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.02

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03415.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 7.93 Date Analyzed: 04/01/98

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

000323

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-1

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.02

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03415.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 7.93 Date Analyzed: 04/01/98

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

000324

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-1

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.02

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03415.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 7.93 Date Analyzed: 04/01/98

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.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03367.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 41.67 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	1700	U
107131	Acrylonitrile	1700	U
75650	tert-Butyl alcohol	2500	U
1634044	Methyl-tert-Butyl ether	1300	U
108203	Di-isopropyl ether	840	U
	Dichlorodifluoromethane	1700	U
74-87-3	Chloromethane	420	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	840	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	840	U
75-35-4	1,1-Dichloroethene	420	U
67-64-1	Acetone	840	U
75-15-0	Carbon Disulfide	420	U
75-09-2	Methylene Chloride	840	U
156-60-5	trans-1,2-Dichloroethene	840	U
75-35-3	1,1-Dichloroethane	420	U
108-05-4	Vinyl Acetate	1300	U
78-93-3	2-Butanone	1300	U
	cis-1,2-Dichloroethene	420	U
67-66-3	Chloroform	420	U
75-55-6	1,1,1-Trichloroethane	420	U
56-23-5	Carbon Tetrachloride	840	U
71-43-2	Benzene	420	U
107-06-2	1,2-Dichloroethane	840	U
79-01-6	Trichloroethene	420	U
78-87-5	1,2-Dichloropropane	420	U
75-27-4	Bromodichloromethane	420	U
110-75-8	2-Chloroethyl vinyl ether	840	U
10061-01-5	cis-1,3-Dichloropropene	420	U
108-10-1	4-Methyl-2-Pentanone	840	U
108-88-3	Toluene	420	U
10061-02-6	trans-1,3-Dichloropropene	840	U
79-00-5	1,1,2-Trichloroethane	840	U
127-18-4	Tetrachloroethene	420	U
591-78-6	2-Hexanone	840	U
126-48-1	Dibromochloromethane	840	U
108-90-7	Chlorobenzene	420	U
100-41-4	Ethylbenzene	840	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-2

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03367.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 41.67 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:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1300	U
1330-20-7	o-Xylene	840	U
100-42-5	Styrene	840	U
75-25-2	Bromoform	840	U
79-34-5	1,1,2,2-Tetrachloroethane	840	U

OOL337

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. **B-2**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03367.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 41.67 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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-3

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.06

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03368.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 22.5 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	1200	U
107131	Acrylonitrile	1200	U
75650	tert-Butyl alcohol	1900	U
1634044	Methyl-tert-Butyl ether	940	U
108203	Di-isopropyl ether	620	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	940	U
74-83-9	Bromomethane	620	U
75-00-3	Chloroethane	940	U
75-69-4	Trichlorofluoromethane	620	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	620	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	620	U
156-60-5	trans-1,2-Dichloroethene	620	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	620	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	620	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	620	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	620	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	620	U
79-00-5	1,1,2-Trichloroethane	620	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	620	U
126-48-1	Dibromochloromethane	620	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	620	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-3

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.06

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03368.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 22.5 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:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	940	U
1330-20-7	o-Xylene	620	U
100-42-5	Styrene	620	U
75-25-2	Bromoform	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-3

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.06

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03368.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 22.5 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-4

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.08

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03369.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 42.56 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	1600	U
107131	Acrylonitrile	1600	U
75650	tert-Butyl alcohol	2400	U
1634044	Methyl-tert-Butyl ether	1200	U
108203	Di-isopropyl ether	810	U
	Dichlorodifluoromethane	1600	U
74-87-3	Chloromethane	400	U
75-01-4	Vinyl Chloride	1200	U
74-83-9	Bromomethane	810	U
75-00-3	Chloroethane	1200	U
75-69-4	Trichlorofluoromethane	810	U
75-35-4	1,1-Dichloroethene	400	U
67-64-1	Acetone	810	U
75-15-0	Carbon Disulfide	400	U
75-09-2	Methylene Chloride	810	U
156-60-5	trans-1,2-Dichloroethene	810	U
75-35-3	1,1-Dichloroethane	400	U
108-05-4	Vinyl Acetate	1200	U
78-93-3	2-Butanone	1200	U
	cis-1,2-Dichloroethene	400	U
67-66-3	Chloroform	400	U
75-55-6	1,1,1-Trichloroethane	400	U
56-23-5	Carbon Tetrachloride	810	U
71-43-2	Benzene	400	U
107-06-2	1,2-Dichloroethane	810	U
79-01-6	Trichloroethene	400	U
78-87-5	1,2-Dichloropropane	400	U
75-27-4	Bromodichloromethane	400	U
110-75-8	2-Chloroethyl vinyl ether	810	U
10061-01-5	cis-1,3-Dichloropropene	400	U
108-10-1	4-Methyl-2-Pentanone	810	U
108-88-3	Toluene	400	U
10061-02-6	trans-1,3-Dichloropropene	810	U
79-00-5	1,1,2-Trichloroethane	810	U
127-18-4	Tetrachloroethene	400	U
591-78-6	2-Hexanone	810	U
126-48-1	Dibromochloromethane	810	U
108-90-7	Chlorobenzene	400	U
100-41-4	Ethylbenzene	810	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-4

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.08

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03369.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 42.56 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	1200	U
1330-20-7	o-Xylene	810	U
100-42-5	Styrene	810	U
75-25-2	Bromoform	810	U
79-34-5	1,1,2,2-Tetrachloroethane	810	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-4

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.08

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03369.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 42.56 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-5

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.10

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03370.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 59.17 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	2600	U
107131	Acrylonitrile	2600	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	2000	U
108203	Di-isopropyl ether	1300	U
	Dichlorodifluoromethane	2600	U
74-87-3	Chloromethane	650	U
75-01-4	Vinyl Chloride	2000	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	2000	U
75-69-4	Trichlorofluoromethane	1300	U
75-35-4	1,1-Dichloroethene	650	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	650	U
75-09-2	Methylene Chloride	1300	U
156-60-5	trans-1,2-Dichloroethene	1300	U
75-35-3	1,1-Dichloroethane	650	U
108-05-4	Vinyl Acetate	2000	U
78-93-3	2-Butanone	2000	U
	cis-1,2-Dichloroethene	650	U
67-66-3	Chloroform	650	U
75-55-6	1,1,1-Trichloroethane	650	U
56-23-5	Carbon Tetrachloride	1300	U
71-43-2	Benzene	650	U
107-06-2	1,2-Dichloroethane	1300	U
79-01-6	Trichloroethene	650	U
78-87-5	1,2-Dichloropropane	650	U
75-27-4	Bromodichloromethane	650	U
110-75-8	2-Chloroethyl vinyl ether	1300	U
10061-01-5	cis-1,3-Dichloropropene	650	U
108-10-1	4-Methyl-2-Pentanone	1300	U
108-88-3	Toluene	650	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	650	U
591-78-6	2-Hexanone	1300	U
126-48-1	Dibromochloromethane	1300	U
108-90-7	Chlorobenzene	650	U
100-41-4	Ethylbenzene	1300	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-5

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.10

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03370.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 59.17 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	2000	U
1330-20-7	o-Xylene	1300	U
100-42-5	Styrene	1300	U
75-25-2	Bromoform	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-5

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.10

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03370.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 59.17 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: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	7.60	4100	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-6

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.12

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03371.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 15.61 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	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-6

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.12

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03371.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 15.61 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:

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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-6

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.12

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03371.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 15.61 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-7

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.14

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03372.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 39.7 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	1600	U
107131	Acrylonitrile	1600	U
75650	tert-Butyl alcohol	2400	U
1634044	Methyl-tert-Butyl ether	1200	U
108203	Di-isopropyl ether	800	U
	Dichlorodifluoromethane	1600	U
74-87-3	Chloromethane	400	U
75-01-4	Vinyl Chloride	1200	U
74-83-9	Bromomethane	800	U
75-00-3	Chloroethane	1200	U
75-69-4	Trichlorofluoromethane	800	U
75-35-4	1,1-Dichloroethene	400	U
67-64-1	Acetone	800	U
75-15-0	Carbon Disulfide	400	U
75-09-2	Methylene Chloride	800	U
156-60-5	trans-1,2-Dichloroethene	800	U
75-35-3	1,1-Dichloroethane	400	U
108-05-4	Vinyl Acetate	1200	U
78-93-3	2-Butanone	1200	U
	cis-1,2-Dichloroethene	400	U
67-66-3	Chloroform	400	U
75-55-6	1,1,1-Trichloroethane	400	U
56-23-5	Carbon Tetrachloride	800	U
71-43-2	Benzene	400	U
107-06-2	1,2-Dichloroethane	800	U
79-01-6	Trichloroethene	400	U
78-87-5	1,2-Dichloropropane	400	U
75-27-4	Bromodichloromethane	400	U
110-75-8	2-Chloroethyl vinyl ether	800	U
10061-01-5	cis-1,3-Dichloropropene	400	U
108-10-1	4-Methyl-2-Pentanone	800	U
108-88-3	Toluene	400	U
10061-02-6	trans-1,3-Dichloropropene	800	U
79-00-5	1,1,2-Trichloroethane	800	U
127-18-4	Tetrachloroethene	400	U
591-78-6	2-Hexanone	800	U
126-48-1	Dibromochloromethane	800	U
108-90-7	Chlorobenzene	400	U
100-41-4	Ethylbenzene	800	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-7

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.14

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03372.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 39.7 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:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1200	U
1330-20-7	o-Xylene	800	U
100-42-5	Styrene	800	U
75-25-2	Bromoform	800	U
79-34-5	1,1,2,2-Tetrachloroethane	800	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-7

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.14

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03372.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 39.7 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-8

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.16

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03373.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 21.68 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:

CAS NO.	COMPOUND	(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	620	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	920	U
74-83-9	Bromomethane	620	U
75-00-3	Chloroethane	920	U
75-69-4	Trichlorofluoromethane	620	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	620	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	620	U
156-60-5	trans-1,2-Dichloroethene	620	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	620	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	620	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	620	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	620	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	620	U
79-00-5	1,1,2-Trichloroethane	620	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	620	U
126-48-1	Dibromochloromethane	620	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	620	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-8

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.16

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03373.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 21.68 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:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	920	U
1330-20-7	o-Xylene	620	U
100-42-5	Styrene	620	U
75-25-2	Bromoform	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-8

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.16

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03373.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 21.68 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-9

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.18

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03374.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 20.88 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:

CAS NO.	COMPOUND	(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-9

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.18

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03374.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 20.88 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	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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-9

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.18

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03374.D

Level: (low/med) MED Date Received: 03/19/98

% Moisture: not dec. 20.88 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-10**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03417.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 28.67 Date Analyzed: 04/01/98

GC Column: RTX-502 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	2500	U
107131	Acrylonitrile	2500	U
75650	tert-Butyl alcohol	4600	U
1634044	Methyl-tert-Butyl ether	1100	U
108203	Di-isopropyl ether	700	U
	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	350	U
75-01-4	Vinyl Chloride	1100	U
74-83-9	Bromomethane	700	U
75-00-3	Chloroethane	1100	U
75-69-4	Trichlorofluoromethane	700	U
75-35-4	1,1-Dichloroethene	350	U
67-64-1	Acetone	700	U
75-15-0	Carbon Disulfide	350	U
75-09-2	Methylene Chloride	700	U
156-60-5	trans-1,2-Dichloroethene	700	U
75-35-3	1,1-Dichloroethane	350	U
108-05-4	Vinyl Acetate	1100	U
78-93-3	2-Butanone	1100	U
	cis-1,2-Dichloroethene	350	U
67-66-3	Chloroform	350	U
75-55-6	1,1,1-Trichloroethane	350	U
56-23-5	Carbon Tetrachloride	700	U
71-43-2	Benzene	350	U
107-06-2	1,2-Dichloroethane	700	U
79-01-6	Trichloroethene	350	U
78-87-5	1,2-Dichloropropane	350	U
75-27-4	Bromodichloromethane	350	U
110-75-8	2-Chloroethyl vinyl ether	700	U
10061-01-5	cis-1,3-Dichloropropene	350	U
108-10-1	4-Methyl-2-Pentanone	700	U
108-88-3	Toluene	350	U
10061-02-6	trans-1,3-Dichloropropene	700	U
79-00-5	1,1,2-Trichloroethane	700	U
127-18-4	Tetrachloroethene	350	U
591-78-6	2-Hexanone	700	U
126-48-1	Dibromochloromethane	700	U
108-90-7	Chlorobenzene	350	U
100-41-4	Ethylbenzene	700	U

1A

FIELD ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-10

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03417.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 28.67 Date Analyzed: 04/01/98

GC Column: RTX-502 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	1100	U
1330-20-7	o-Xylene	700	U
100-42-5	Styrene	700	U
75-25-2	Bromoform	700	U
79-34-5	1,1,2,2-Tetrachloroethane	700	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **B-10**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03417.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 28.67 Date Analyzed: 04/01/98

GC Column: RTX-502 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 Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.05

Sample wt/vol: 11.8 (g/ml) G Lab File ID: V03418.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 6.34 Date Analyzed: 04/01/98

GC Column: RTX-502 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	1600	U
107131	Acrylonitrile	1600	U
75650	tert-Butyl alcohol	2900	U
1634044	Methyl-tert-Butyl ether	680	U
108203	Di-isopropyl ether	450	U
	Dichlorodifluoromethane	900	U
74-87-3	Chloromethane	230	U
75-01-4	Vinyl Chloride	680	U
74-83-9	Bromomethane	450	U
75-00-3	Chloroethane	680	U
75-69-4	Trichlorofluoromethane	450	U
75-35-4	1,1-Dichloroethene	230	U
67-64-1	Acetone	450	U
75-15-0	Carbon Disulfide	230	U
75-09-2	Methylene Chloride	450	U
156-60-5	trans-1,2-Dichloroethene	450	U
75-35-3	1,1-Dichloroethane	230	U
108-05-4	Vinyl Acetate	680	U
78-93-3	2-Butanone	680	U
	cis-1,2-Dichloroethene	230	U
67-66-3	Chloroform	230	U
75-55-6	1,1,1-Trichloroethane	230	U
56-23-5	Carbon Tetrachloride	450	U
71-43-2	Benzene	230	U
107-06-2	1,2-Dichloroethane	450	U
79-01-6	Trichloroethene	230	U
78-87-5	1,2-Dichloropropane	230	U
75-27-4	Bromodichloromethane	230	U
110-75-8	2-Chloroethyl vinyl ether	450	U
10061-01-5	cis-1,3-Dichloropropene	230	U
108-10-1	4-Methyl-2-Pentanone	450	U
108-88-3	Toluene	230	U
10061-02-6	trans-1,3-Dichloropropene	450	U
79-00-5	1,1,2-Trichloroethane	450	U
127-18-4	Tetrachloroethene	230	U
591-78-6	2-Hexanone	450	U
126-48-1	Dibromochloromethane	450	U
108-90-7	Chlorobenzene	230	U
100-41-4	Ethylbenzene	450	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID: **B-11**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.05

Sample wt/vol: 11.8 (g/ml) G Lab File ID: V03418.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 6.34 Date Analyzed: 04/01/98

GC Column: RTX-502 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	680	U
1330-20-7	o-Xylene	450	U
100-42-5	Styrene	450	U
75-25-2	Bromoform	450	U
79-34-5	1,1,2,2-Tetrachloroethane	450	U
541-73-1	1,3-Dichlorobenzene	680	U
106-46-7	1,4-Dichlorobenzene	680	U
95-50-1	1,2-Dichlorobenzene	680	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **B-11**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.05

Sample wt/vol: 11.8 (g/ml) G Lab File ID: V03418.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 6.34 Date Analyzed: 04/01/98

GC Column: RTX-502 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 Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.07

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03419.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 13.53 Date Analyzed: 04/01/98

GC Column: RTX-502 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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	U
1634044	Methyl-tert-Butyl ether	830	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	830	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	830	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	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	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-12**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.07

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03419.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 13.53 Date Analyzed: 04/01/98

GC Column: RTX-502 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	830	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
541-73-1	1,3-Dichlorobenzene	830	U
106-46-7	1,4-Dichlorobenzene	830	U
95-50-1	1,2-Dichlorobenzene	830	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **B-12**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.07

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03419.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 13.53 Date Analyzed: 04/01/98

GC Column: RTX-502 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

B-13

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.09

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03420.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 30.89 Date Analyzed: 04/01/98

GC Column: RTX-502 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	2400	U
107131	Acrylonitrile	2400	U
75650	tert-Butyl alcohol	4400	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-13

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.09

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03420.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 30.89 Date Analyzed: 04/01/98

GC Column: RTX-502 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
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

B-13

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.09

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03420.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 30.89 Date Analyzed: 04/01/98

GC Column: RTX-502 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 Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.11

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03421.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 13.97 Date Analyzed: 04/01/98

GC Column: RTX-502 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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3400	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-14**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.11

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03421.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 13.97 Date Analyzed: 04/01/98

GC Column: RTX-502 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	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
541-73-1	1,3-Dichlorobenzene	790	U
106-46-7	1,4-Dichlorobenzene	790	U
95-50-1	1,2-Dichlorobenzene	790	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

B-14

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.11

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03421.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 13.97 Date Analyzed: 04/01/98

GC Column: RTX-502 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 Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.13

Sample wt/vol: 11.2 (g/ml) G Lab File ID: V03422.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 56.71 Date Analyzed: 04/01/98

GC Column: RTX-502 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	3600	U
107131	Acrylonitrile	3600	U
75650	tert-Butyl alcohol	6700	U
1634044	Methyl-tert-Butyl ether	1600	U
108203	Di-isopropyl ether	1000	U
	Dichlorodifluoromethane	2100	U
74-87-3	Chloromethane	520	U
75-01-4	Vinyl Chloride	1600	U
74-83-9	Bromomethane	1000	U
75-00-3	Chloroethane	1600	U
75-69-4	Trichlorofluoromethane	1000	U
75-35-4	1,1-Dichloroethene	520	U
67-64-1	Acetone	1000	U
75-15-0	Carbon Disulfide	520	U
75-09-2	Methylene Chloride	1000	U
156-60-5	trans-1,2-Dichloroethene	1000	U
75-35-3	1,1-Dichloroethane	520	U
108-05-4	Vinyl Acetate	1600	U
78-93-3	2-Butanone	1600	U
	cis-1,2-Dichloroethene	520	U
67-66-3	Chloroform	520	U
75-55-6	1,1,1-Trichloroethane	520	U
56-23-5	Carbon Tetrachloride	1000	U
71-43-2	Benzene	520	U
107-06-2	1,2-Dichloroethane	1000	U
79-01-6	Trichloroethene	520	U
78-87-5	1,2-Dichloropropane	520	U
75-27-4	Bromodichloromethane	520	U
110-75-8	2-Chloroethyl vinyl ether	1000	U
10061-01-5	cis-1,3-Dichloropropene	520	U
108-10-1	4-Methyl-2-Pentanone	1000	U
108-88-3	Toluene	520	U
10061-02-6	trans-1,3-Dichloropropene	1000	U
79-00-5	1,1,2-Trichloroethane	1000	U
127-18-4	Tetrachloroethene	520	U
591-78-6	2-Hexanone	1000	U
126-48-1	Dibromochloromethane	1000	U
108-90-7	Chlorobenzene	520	U
100-41-4	Ethylbenzene	1000	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-15

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.13

Sample wt/vol: 11.2 (g/ml) G Lab File ID: V03422.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 56.71 Date Analyzed: 04/01/98

GC Column: RTX-502 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	1600	U
1330-20-7	o-Xylene	1000	U
100-42-5	Styrene	1000	U
75-25-2	Bromoform	1000	U
79-34-5	1,1,2,2-Tetrachloroethane	1000	U
541-73-1	1,3-Dichlorobenzene	1600	U
106-46-7	1,4-Dichlorobenzene	1600	U
95-50-1	1,2-Dichlorobenzene	1600	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **B-15**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.13

Sample wt/vol: 11.2 (g/ml) G Lab File ID: V03422.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 56.71 Date Analyzed: 04/01/98

GC Column: RTX-502 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	7.62	7800	J

1A

FIELD ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-16

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.15

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03423.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 25.48 Date Analyzed: 04/01/98

GC Column: RTX-502 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	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4000	U
1634044	Methyl-tert-Butyl ether	930	U
108203	Di-isopropyl ether	620	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	930	U
74-83-9	Bromomethane	620	U
75-00-3	Chloroethane	930	U
75-69-4	Trichlorofluoromethane	620	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	620	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	620	U
156-60-5	trans-1,2-Dichloroethene	620	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	930	U
78-93-3	2-Butanone	930	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	620	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	620	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	620	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	620	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	620	U
79-00-5	1,1,2-Trichloroethane	620	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	620	U
126-48-1	Dibromochloromethane	620	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	620	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-16

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.15

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03423.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 25.48 Date Analyzed: 04/01/98

GC Column: RTX-502 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	930	U
1330-20-7	o-Xylene	620	U
100-42-5	Styrene	620	U
75-25-2	Bromoform	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U
541-73-1	1,3-Dichlorobenzene	930	U
106-46-7	1,4-Dichlorobenzene	930	U
95-50-1	1,2-Dichlorobenzene	930	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **B-16**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.15

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03423.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 25.48 Date Analyzed: 04/01/98

GC Column: RTX-502 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 Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.17

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03424.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 40.51 Date Analyzed: 04/01/98

GC Column: RTX-502 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	2900	U
107131	Acrylonitrile	2900	U
75650	tert-Butyl alcohol	5400	U
1634044	Methyl-tert-Butyl ether	1200	U
108203	Di-isopropyl ether	830	U
	Dichlorodifluoromethane	1700	U
74-87-3	Chloromethane	410	U
75-01-4	Vinyl Chloride	1200	U
74-83-9	Bromomethane	830	U
75-00-3	Chloroethane	1200	U
75-69-4	Trichlorofluoromethane	830	U
75-35-4	1,1-Dichloroethene	410	U
67-64-1	Acetone	830	U
75-15-0	Carbon Disulfide	410	U
75-09-2	Methylene Chloride	830	U
156-60-5	trans-1,2-Dichloroethene	830	U
75-35-3	1,1-Dichloroethane	410	U
108-05-4	Vinyl Acetate	1200	U
78-93-3	2-Butanone	1200	U
	cis-1,2-Dichloroethene	410	U
67-66-3	Chloroform	410	U
75-55-6	1,1,1-Trichloroethane	410	U
56-23-5	Carbon Tetrachloride	830	U
71-43-2	Benzene	410	U
107-06-2	1,2-Dichloroethane	830	U
79-01-6	Trichloroethene	410	U
78-87-5	1,2-Dichloropropane	410	U
75-27-4	Bromodichloromethane	410	U
110-75-8	2-Chloroethyl vinyl ether	830	U
10061-01-5	cis-1,3-Dichloropropene	410	U
108-10-1	4-Methyl-2-Pentanone	830	U
108-88-3	Toluene	410	U
10061-02-6	trans-1,3-Dichloropropene	830	U
79-00-5	1,1,2-Trichloroethane	830	U
127-18-4	Tetrachloroethene	410	U
591-78-6	2-Hexanone	830	U
126-48-1	Dibromochloromethane	830	U
108-90-7	Chlorobenzene	410	U
100-41-4	Ethylbenzene	830	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID: B-17

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.17

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03424.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 40.51 Date Analyzed: 04/01/98

GC Column: RTX-502 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	1200	U
1330-20-7	o-Xylene	830	U
100-42-5	Styrene	830	U
75-25-2	Bromoform	830	U
79-34-5	1,1,2,2-Tetrachloroethane	830	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: B-17

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.17

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03424.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 40.51 Date Analyzed: 04/01/98

GC Column: RTX-502 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. 000075-05-8	Acetonitrile	12.17	6600	JN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID: B-18

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.19

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03425.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 17.46 Date Analyzed: 04/01/98

GC Column: RTX-502 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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	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-18

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.19

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03425.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 17.46 Date Analyzed: 04/01/98

GC Column: RTX-502 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
541-73-1	1,3-Dichlorobenzene	860	U
106-46-7	1,4-Dichlorobenzene	860	U
95-50-1	1,2-Dichlorobenzene	860	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **B-18**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.19

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03425.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 17.46 Date Analyzed: 04/01/98

GC Column: RTX-502 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

B-19

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.21

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03426.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 23.69 Date Analyzed: 04/01/98

GC Column: RTX-502 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	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4000	U
1634044	Methyl-tert-Butyl ether	930	U
108203	Di-isopropyl ether	620	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	930	U
74-83-9	Bromomethane	620	U
75-00-3	Chloroethane	930	U
75-69-4	Trichlorofluoromethane	620	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	620	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	620	U
156-60-5	trans-1,2-Dichloroethene	620	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	930	U
78-93-3	2-Butanone	930	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	620	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	620	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	620	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	620	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	620	U
79-00-5	1,1,2-Trichloroethane	620	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	620	U
126-48-1	Dibromochloromethane	620	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	620	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID: **B-19**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.21

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03426.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 23.69 Date Analyzed: 04/01/98

GC Column: RTX-502 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	930	U
1330-20-7	o-Xylene	620	U
100-42-5	Styrene	620	U
75-25-2	Bromoform	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U
541-73-1	1,3-Dichlorobenzene	930	U
106-46-7	1,4-Dichlorobenzene	930	U
95-50-1	1,2-Dichlorobenzene	930	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **B-19**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3424 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.21

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03426.D

Level: (low/med) MED Date Received: 03/20/98

% Moisture: not dec. 23.69 Date Analyzed: 04/01/98

GC Column: RTX-502 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 Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.03

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03450.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 18.32 Date Analyzed: 04/03/98

GC Column: RTX-502 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	1900	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-20

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.03

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03450.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 18.32 Date Analyzed: 04/03/98

GC Column: RTX-502 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	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-20**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.03

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03450.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 18.32 Date Analyzed: 04/03/98

GC Column: RTX-502 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. 000593-75-9	Methane, isocyano-	12.10	32000	JN

000382

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID: **B-21**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.05

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03451.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 45.98 Date Analyzed: 04/04/98

GC Column: RTX-502 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	1600	U
107131	Acrylonitrile	1600	U
75650	tert-Butyl alcohol	2900	U
1634044	Methyl-tert-Butyl ether	1300	U
108203	Di-isopropyl ether	890	U
	Dichlorodifluoromethane	1800	U
74-87-3	Chloromethane	450	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	890	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	890	U
75-35-4	1,1-Dichloroethene	450	U
67-64-1	Acetone	890	U
75-15-0	Carbon Disulfide	450	U
75-09-2	Methylene Chloride	890	U
156-60-5	trans-1,2-Dichloroethene	890	U
75-35-3	1,1-Dichloroethane	450	U
108-05-4	Vinyl Acetate	1300	U
78-93-3	2-Butanone	1300	U
	cis-1,2-Dichloroethene	450	U
67-66-3	Chloroform	450	U
75-55-6	1,1,1-Trichloroethane	450	U
56-23-5	Carbon Tetrachloride	890	U
71-43-2	Benzene	450	U
107-06-2	1,2-Dichloroethane	890	U
79-01-6	Trichloroethene	450	U
78-87-5	1,2-Dichloropropane	450	U
75-27-4	Bromodichloromethane	450	U
110-75-8	2-Chloroethyl vinyl ether	890	U
10061-01-5	cis-1,3-Dichloropropene	450	U
108-10-1	4-Methyl-2-Pentanone	890	U
108-88-3	Toluene	450	U
10061-02-6	trans-1,3-Dichloropropene	890	U
79-00-5	1,1,2-Trichloroethane	890	U
127-18-4	Tetrachloroethene	450	U
591-78-6	2-Hexanone	890	U
126-48-1	Dibromochloromethane	890	U
108-90-7	Chlorobenzene	450	U
100-41-4	Ethylbenzene	890	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-21

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.05

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03451.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 45.98 Date Analyzed: 04/04/98

GC Column: RTX-502 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	1300	U
1330-20-7	o-Xylene	890	U
100-42-5	Styrene	890	U
75-25-2	Bromoform	890	U
79-34-5	1,1,2,2-Tetrachloroethane	890	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **B-21**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.05

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03451.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 45.98 Date Analyzed: 04/04/98

GC Column: RTX-502 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

B-22

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.07

Sample wt/vol: 9.2 (g/ml) G Lab File ID: V03452.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 12.79 Date Analyzed: 04/04/98

GC Column: RTX-502 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	2000	U
1634044	Methyl-tert-Butyl ether	930	U
108203	Di-isopropyl ether	620	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	930	U
74-83-9	Bromomethane	620	U
75-00-3	Chloroethane	930	U
75-69-4	Trichlorofluoromethane	620	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	620	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	620	U
156-60-5	trans-1,2-Dichloroethene	620	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	930	U
78-93-3	2-Butanone	930	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	620	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	620	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	620	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	620	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	620	U
79-00-5	1,1,2-Trichloroethane	620	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	620	U
126-48-1	Dibromochloromethane	620	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	620	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-22

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.07

Sample wt/vol: 9.2 (g/ml) G Lab File ID: V03452.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 12.79 Date Analyzed: 04/04/98

GC Column: RTX-502 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	930	U
1330-20-7	o-Xylene	620	U
100-42-5	Styrene	620	U
75-25-2	Bromoform	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **B-22**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.07

Sample wt/vol: 9.2 (g/ml) G Lab File ID: V03452.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 12.79 Date Analyzed: 04/04/98

GC Column: RTX-502 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-23**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.09

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03453.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 11.94 Date Analyzed: 04/04/98

GC Column: RTX-502 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	950	U
107131	Acrylonitrile	950	U
75650	tert-Butyl alcohol	1800	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	820	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	820	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	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	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 Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.09

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03453.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 11.94 Date Analyzed: 04/04/98

GC Column: RTX-502 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	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 Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.09

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03453.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 11.94 Date Analyzed: 04/04/98

GC Column: RTX-502 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

B-24

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.11

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03454.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 18.93 Date Analyzed: 04/04/98

GC Column: RTX-502 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	2100	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
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
108-88-3	Toluene	330	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
100-41-4	Ethylbenzene	650	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID: **B-24**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.11

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03454.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 18.93 Date Analyzed: 04/04/98

GC Column: RTX-502 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	980	U
1330-20-7	o-Xylene	650	U
100-42-5	Styrene	650	U
75-25-2	Bromoform	650	U
79-34-5	1,1,2,2-Tetrachloroethane	650	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **B-24**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.11

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03454.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 18.93 Date Analyzed: 04/04/98

GC Column: RTX-502 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 Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.13

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03455.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 11.91 Date Analyzed: 04/04/98

GC Column: RTX-502 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	950	U
107131	Acrylonitrile	950	U
75650	tert-Butyl alcohol	1800	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

FIELD ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-25

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.13

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03455.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 11.91 Date Analyzed: 04/04/98

GC Column: RTX-502 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-25**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.13

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03455.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 11.91 Date Analyzed: 04/04/98

GC Column: RTX-502 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 Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.15

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03456.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 17.9 Date Analyzed: 04/04/98

GC Column: RTX-502 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	2000	U
1634044	Methyl-tert-Butyl ether	920	U
108203	Di-isopropyl ether	620	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	920	U
74-83-9	Bromomethane	620	U
75-00-3	Chloroethane	920	U
75-69-4	Trichlorofluoromethane	620	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	620	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	620	U
156-60-5	trans-1,2-Dichloroethene	620	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	620	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	620	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	620	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	620	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	620	U
79-00-5	1,1,2-Trichloroethane	620	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	620	U
126-48-1	Dibromochloromethane	620	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	620	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID: **B-26**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.15

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03456.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 17.9 Date Analyzed: 04/04/98

GC Column: RTX-502 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	620	U
100-42-5	Styrene	620	U
75-25-2	Bromoform	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **B-26**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.15

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03456.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 17.9 Date Analyzed: 04/04/98

GC Column: RTX-502 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

B-27

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.17

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03457.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 19.16 Date Analyzed: 04/04/98

GC Column: RTX-502 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	2100	U
1634044	Methyl-tert-Butyl ether	970	U
108203	Di-isopropyl ether	650	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	320	U
75-01-4	Vinyl Chloride	970	U
74-83-9	Bromomethane	650	U
75-00-3	Chloroethane	970	U
75-69-4	Trichlorofluoromethane	650	U
75-35-4	1,1-Dichloroethene	320	U
67-64-1	Acetone	650	U
75-15-0	Carbon Disulfide	320	U
75-09-2	Methylene Chloride	650	U
156-60-5	trans-1,2-Dichloroethene	650	U
75-35-3	1,1-Dichloroethane	320	U
108-05-4	Vinyl Acetate	970	U
78-93-3	2-Butanone	970	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	650	U
71-43-2	Benzene	320	U
107-06-2	1,2-Dichloroethane	650	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	650	U
10061-01-5	cis-1,3-Dichloropropene	320	U
108-10-1	4-Methyl-2-Pentanone	650	U
108-88-3	Toluene	320	U
10061-02-6	trans-1,3-Dichloropropene	650	U
79-00-5	1,1,2-Trichloroethane	650	U
127-18-4	Tetrachloroethene	320	U
591-78-6	2-Hexanone	650	U
126-48-1	Dibromochloromethane	650	U
108-90-7	Chlorobenzene	320	U
100-41-4	Ethylbenzene	650	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID: **B-27**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.17

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03457.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 19.16 Date Analyzed: 04/04/98

GC Column: RTX-502 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	970	U
1330-20-7	o-Xylene	650	U
100-42-5	Styrene	650	U
75-25-2	Bromoform	650	U
79-34-5	1,1,2,2-Tetrachloroethane	650	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

B-27

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.17

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03457.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 19.16 Date Analyzed: 04/04/98

GC Column: RTX-502 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 Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.19

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03458.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 15.67 Date Analyzed: 04/04/98

GC Column: RTX-502 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	940	U
107131	Acrylonitrile	940	U
75650	tert-Butyl alcohol	1800	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-28**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.19

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03458.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 15.67 Date Analyzed: 04/04/98

GC Column: RTX-502 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	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 FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

B-28

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.19

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03458.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 15.67 Date Analyzed: 04/04/98

GC Column: RTX-502 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

B-29

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.21

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03459.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 16.79 Date Analyzed: 04/04/98

GC Column: RTX-502 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	1900	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

060407

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID: **B-29**

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.21

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03459.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 16.79 Date Analyzed: 04/04/98

GC Column: RTX-502 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	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 FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

B-29

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.21

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03459.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 16.79 Date Analyzed: 04/04/98

GC Column: RTX-502 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 Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.23

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03460.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 17.37 Date Analyzed: 04/04/98

GC Column: RTX-502 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

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1000	U
107131	Acrylonitrile	1000	U
75650	tert-Butyl alcohol	1900	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 Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.23

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03460.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 17.37 Date Analyzed: 04/04/98

GC Column: RTX-502 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 Project 980211

NJDEP # 13461 Case No.: 3425 Location M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.23

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03460.D

Level: (low/med) MED Date Received: 03/23/98

% Moisture: not dec. 17.37 Date Analyzed: 04/04/98

GC Column: RTX-502 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.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.03

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03469.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 14.48 Date Analyzed: 04/06/98

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	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-31

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.03

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03469.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 14.48 Date Analyzed: 04/06/98

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	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-31

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.03

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03469.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 14.48 Date Analyzed: 04/06/98

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.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.05

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03470.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 13.17 Date Analyzed: 04/06/98

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	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-32

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.05

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03470.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 13.17 Date Analyzed: 04/06/98

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-32**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.05

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03470.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 13.17 Date Analyzed: 04/06/98

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

B-33

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.07

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03471.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 9.19 Date Analyzed: 04/06/98

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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	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-33

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.07

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03471.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 9.19 Date Analyzed: 04/06/98

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-33

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.07

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03471.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 9.19 Date Analyzed: 04/06/98

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.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.09

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03472.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 12.06 Date Analyzed: 04/06/98

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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	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-34

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.09

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03472.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 12.06 Date Analyzed: 04/06/98

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-34**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.09

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03472.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 12.06 Date Analyzed: 04/06/98

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

B-35

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.11

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03473.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 16.47 Date Analyzed: 04/06/98

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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	U
1634044	Methyl-tert-Butyl ether	830	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	830	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	830	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	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	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-35

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.11

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03473.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 16.47 Date Analyzed: 04/06/98

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	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-35

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.11

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V03473.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 16.47 Date Analyzed: 04/06/98

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

B-36

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.13

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03474.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 10.13 Date Analyzed: 04/06/98

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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3300	U
1634044	Methyl-tert-Butyl ether	760	U
108203	Di-isopropyl ether	510	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	760	U
74-83-9	Bromomethane	510	U
75-00-3	Chloroethane	760	U
75-69-4	Trichlorofluoromethane	510	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	510	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	510	U
156-60-5	trans-1,2-Dichloroethene	510	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	760	U
78-93-3	2-Butanone	760	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	510	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	510	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	510	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	510	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	510	U
79-00-5	1,1,2-Trichloroethane	510	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	510	U
126-48-1	Dibromochloromethane	510	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	510	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-36

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.13

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03474.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 10.13 Date Analyzed: 04/06/98

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	760	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-36**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.13

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V03474.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 10.13 Date Analyzed: 04/06/98

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.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.15

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03475.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 11.75 Date Analyzed: 04/06/98

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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	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-37

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.15

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03475.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 11.75 Date Analyzed: 04/06/98

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-37

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.15

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03475.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 11.75 Date Analyzed: 04/06/98

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.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.17

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03476.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 13.31 Date Analyzed: 04/06/98

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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	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-38

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.17

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03476.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 13.31 Date Analyzed: 04/06/98

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-38

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.17

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03476.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 13.31 Date Analyzed: 04/06/98

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.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.19

Sample wt/vol: 8.0 (g/ml) G Lab File ID: V03477.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 20.79 Date Analyzed: 04/06/98

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	2800	U
107131	Acrylonitrile	2800	U
75650	tert-Butyl alcohol	5100	U
1634044	Methyl-tert-Butyl ether	1200	U
108203	Di-isopropyl ether	790	U
	Dichlorodifluoromethane	1600	U
74-87-3	Chloromethane	400	U
75-01-4	Vinyl Chloride	1200	U
74-83-9	Bromomethane	790	U
75-00-3	Chloroethane	1200	U
75-69-4	Trichlorofluoromethane	790	U
75-35-4	1,1-Dichloroethene	400	U
67-64-1	Acetone	790	U
75-15-0	Carbon Disulfide	400	U
75-09-2	Methylene Chloride	790	U
156-60-5	trans-1,2-Dichloroethene	790	U
75-35-3	1,1-Dichloroethane	400	U
108-05-4	Vinyl Acetate	1200	U
78-93-3	2-Butanone	1200	U
	cis-1,2-Dichloroethene	400	U
67-66-3	Chloroform	400	U
75-55-6	1,1,1-Trichloroethane	400	U
56-23-5	Carbon Tetrachloride	790	U
71-43-2	Benzene	400	U
107-06-2	1,2-Dichloroethane	790	U
79-01-6	Trichloroethene	400	U
78-87-5	1,2-Dichloropropane	400	U
75-27-4	Bromodichloromethane	400	U
110-75-8	2-Chloroethyl vinyl ether	790	U
10061-01-5	cis-1,3-Dichloropropene	400	U
108-10-1	4-Methyl-2-Pentanone	790	U
108-88-3	Toluene	400	U
10061-02-6	trans-1,3-Dichloropropene	790	U
79-00-5	1,1,2-Trichloroethane	790	U
127-18-4	Tetrachloroethene	400	U
591-78-6	2-Hexanone	790	U
126-48-1	Dibromochloromethane	790	U
108-90-7	Chlorobenzene	400	U
100-41-4	Ethylbenzene	790	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-39

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.19

Sample wt/vol: 8.0 (g/ml) G Lab File ID: V03477.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 20.79 Date Analyzed: 04/06/98

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	1200	U
1330-20-7	o-Xylene	790	U
100-42-5	Styrene	790	U
75-25-2	Bromoform	790	U
79-34-5	1,1,2,2-Tetrachloroethane	790	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-39

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.19

Sample wt/vol: 8.0 (g/ml) G Lab File ID: V03477.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 20.79 Date Analyzed: 04/06/98

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.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.21

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03478.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 13.47 Date Analyzed: 04/06/98

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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	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-40

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.21

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03478.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 13.47 Date Analyzed: 04/06/98

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-40

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.21

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03478.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 13.47 Date Analyzed: 04/06/98

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-41

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.23

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03479.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 14.77 Date Analyzed: 04/06/98

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	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-41

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.23

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03479.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 14.77 Date Analyzed: 04/06/98

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-41

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.23

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03479.D

Level: (low/med) MED Date Received: 03/24/98

% Moisture: not dec. 14.77 Date Analyzed: 04/06/98

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-42

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.03

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03488.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 20.43 Date Analyzed: 04/07/98

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3800	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-42

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.03

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03488.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 20.43 Date Analyzed: 04/07/98

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-42**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.03

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03488.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 20.43 Date Analyzed: 04/07/98

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.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.05

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03489.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 20.21 Date Analyzed: 04/07/98

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	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4000	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-43

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.05

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03489.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 20.21 Date Analyzed: 04/07/98

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	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-43**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.05

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03489.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 20.21 Date Analyzed: 04/07/98

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-44

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.07

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03490.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 12.89 Date Analyzed: 04/07/98

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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	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-44

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.07

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03490.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 12.89 Date Analyzed: 04/07/98

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-44

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.07

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03490.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 12.89 Date Analyzed: 04/07/98

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.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.09

Sample wt/vol: 8.2 (g/ml) G Lab File ID: V03491.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 5.66 Date Analyzed: 04/07/98

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	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4200	U
1634044	Methyl-tert-Butyl ether	970	U
108203	Di-isopropyl ether	650	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	320	U
75-01-4	Vinyl Chloride	970	U
74-83-9	Bromomethane	650	U
75-00-3	Chloroethane	970	U
75-69-4	Trichlorofluoromethane	650	U
75-35-4	1,1-Dichloroethene	320	U
67-64-1	Acetone	650	U
75-15-0	Carbon Disulfide	320	U
75-09-2	Methylene Chloride	650	U
156-60-5	trans-1,2-Dichloroethene	650	U
75-35-3	1,1-Dichloroethane	320	U
108-05-4	Vinyl Acetate	970	U
78-93-3	2-Butanone	970	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	650	U
71-43-2	Benzene	320	U
107-06-2	1,2-Dichloroethane	650	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	650	U
10061-01-5	cis-1,3-Dichloropropene	320	U
108-10-1	4-Methyl-2-Pentanone	650	U
108-88-3	Toluene	320	U
10061-02-6	trans-1,3-Dichloropropene	650	U
79-00-5	1,1,2-Trichloroethane	650	U
127-18-4	Tetrachloroethene	320	U
591-78-6	2-Hexanone	650	U
126-48-1	Dibromochloromethane	650	U
108-90-7	Chlorobenzene	320	U
100-41-4	Ethylbenzene	650	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-45

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.09

Sample wt/vol: 8.2 (g/ml) G Lab File ID: V03491.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 5.66 Date Analyzed: 04/07/98

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	970	U
1330-20-7	o-Xylene	650	U
100-42-5	Styrene	650	U
75-25-2	Bromoform	650	U
79-34-5	1,1,2,2-Tetrachloroethane	650	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-45

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.09

Sample wt/vol: 8.2 (g/ml) G Lab File ID: V03491.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 5.66 Date Analyzed: 04/07/98

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	30.49	4000	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-46

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.11

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03492.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 5.99 Date Analyzed: 04/07/98

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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3300	U
1634044	Methyl-tert-Butyl ether	760	U
108203	Di-isopropyl ether	510	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	760	U
74-83-9	Bromomethane	510	U
75-00-3	Chloroethane	760	U
75-69-4	Trichlorofluoromethane	510	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	510	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	510	U
156-60-5	trans-1,2-Dichloroethene	510	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	760	U
78-93-3	2-Butanone	760	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	510	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	510	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	510	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	510	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	510	U
79-00-5	1,1,2-Trichloroethane	510	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	510	U
126-48-1	Dibromochloromethane	510	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	510	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-46

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.11

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03492.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 5.99 Date Analyzed: 04/07/98

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	760	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-46

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.11

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03492.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 5.99 Date Analyzed: 04/07/98

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.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.13

Sample wt/vol: 9.1 (g/ml) G Lab File ID: V03493.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 14.26 Date Analyzed: 04/07/98

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	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4200	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-47

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.13

Sample wt/vol: 9.1 (g/ml) G Lab File ID: V03493.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 14.26 Date Analyzed: 04/07/98

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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-47

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.13

Sample wt/vol: 9.1 (g/ml) G Lab File ID: V03493.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 14.26 Date Analyzed: 04/07/98

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.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.15

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03494.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 17.52 Date Analyzed: 04/07/98

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-48

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.15

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03494.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 17.52 Date Analyzed: 04/07/98

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

000465

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-48

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.15

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V03494.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 17.52 Date Analyzed: 04/07/98

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.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.17

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03495.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 10.75 Date Analyzed: 04/07/98

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	U
1634044	Methyl-tert-Butyl ether	880	U
108203	Di-isopropyl ether	580	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	880	U
74-83-9	Bromomethane	580	U
75-00-3	Chloroethane	880	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	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	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

000467

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-49

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.17

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03495.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 10.75 Date Analyzed: 04/07/98

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	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-49

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.17

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03495.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 10.75 Date Analyzed: 04/07/98

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

B-50

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.19

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03496.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 24 Date Analyzed: 04/07/98

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	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-50**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.19

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03496.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 24 Date Analyzed: 04/07/98

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-50

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.19

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V03496.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 24 Date Analyzed: 04/07/98

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-51

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.21

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03497.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 17.46 Date Analyzed: 04/07/98

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3800	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-51

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.21

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03497.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 17.46 Date Analyzed: 04/07/98

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-51

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.21

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03497.D

Level: (low/med) MED Date Received: 03/25/98

% Moisture: not dec. 17.46 Date Analyzed: 04/07/98

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

000475

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

52

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004183.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 16.38 Date Analyzed: 9/1/99

GC Column: RTX502. 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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

52

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004183.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 16.38 Date Analyzed: 9/1/99

GC Column: RTX502. 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: 52

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004183.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 16.38 Date Analyzed: 9/1/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

53

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.05

Sample wt/vol: 10.5 (g/ml) G Lab File ID: VB004184.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 8.49 Date Analyzed: 9/1/99

GC Column: RTX502. 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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

53

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.05

Sample wt/vol: 10.5 (g/ml) G Lab File ID: VB004184.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 8.49 Date Analyzed: 9/1/99

GC Column: RTX502. 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: 53

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.05

Sample wt/vol: 10.5 (g/ml) G Lab File ID: VB004184.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 8.49 Date Analyzed: 9/1/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID: 54

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.07

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004185.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 13.78 Date Analyzed: 9/1/99

GC Column: RTX502. 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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	890	U
108203	Di-isopropyl ether	600	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	890	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	890	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	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	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

54

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.07

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004185.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 13.78 Date Analyzed: 9/1/99

GC Column: RTX502. 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	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: 54

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.07

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004185.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 13.78 Date Analyzed: 9/1/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

55

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.09

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004186.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 29.33 Date Analyzed: 9/1/99

GC Column: RTX502. 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	2500	U
107131	Acrylonitrile	2500	U
75650	tert-Butyl alcohol	4600	U
1634044	Methyl-tert-Butyl ether	1100	U
108203	Di-isopropyl ether	700	U
	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	350	U
75-01-4	Vinyl Chloride	1100	U
74-83-9	Bromomethane	700	U
75-00-3	Chloroethane	1100	U
75-69-4	Trichlorofluoromethane	700	U
75-35-4	1,1-Dichloroethene	350	U
67-64-1	Acetone	700	U
75-15-0	Carbon Disulfide	350	U
75-09-2	Methylene Chloride	700	U
156-60-5	trans-1,2-Dichloroethene	700	U
75-35-3	1,1-Dichloroethane	350	U
108-05-4	Vinyl Acetate	1100	U
78-93-3	2-Butanone	1100	U
	cis-1,2-Dichloroethene	350	U
67-66-3	Chloroform	350	U
75-55-6	1,1,1-Trichloroethane	350	U
56-23-5	Carbon Tetrachloride	700	U
71-43-2	Benzene	350	U
107-06-2	1,2-Dichloroethane	700	U
79-01-6	Trichloroethene	350	U
78-87-5	1,2-Dichloropropane	350	U
75-27-4	Bromodichloromethane	350	U
110-75-8	2-Chloroethyl vinyl ether	700	U
10061-01-5	cis-1,3-Dichloropropene	350	U
108-10-1	4-Methyl-2-Pentanone	700	U
108-88-3	Toluene	350	U
10061-02-6	trans-1,3-Dichloropropene	700	U
79-00-5	1,1,2-Trichloroethane	700	U
127-18-4	Tetrachloroethene	350	U
591-78-6	2-Hexanone	700	U
126-48-1	Dibromochloromethane	700	U
108-90-7	Chlorobenzene	350	U
100-41-4	Ethylbenzene	700	U

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

55

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.09

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004186.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 29.33 Date Analyzed: 9/1/99

GC Column: RTX502. 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	700	U
100-42-5	Styrene	700	U
75-25-2	Bromoform	700	U
79-34-5	1,1,2,2-Tetrachloroethane	700	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 55

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.09

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004186.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 29.33 Date Analyzed: 9/1/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

56

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.11

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004187.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 15.55 Date Analyzed: 9/1/99

GC Column: RTX502. 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	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4000	U
1634044	Methyl-tert-Butyl ether	930	U
108203	Di-isopropyl ether	620	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	930	U
74-83-9	Bromomethane	620	U
75-00-3	Chloroethane	930	U
75-69-4	Trichlorofluoromethane	620	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	620	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	620	U
156-60-5	trans-1,2-Dichloroethene	620	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	930	U
78-93-3	2-Butanone	930	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	620	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	620	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	620	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	620	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	620	U
79-00-5	1,1,2-Trichloroethane	620	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	620	U
126-48-1	Dibromochloromethane	620	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	620	U

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

56

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.11

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004187.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 15.55 Date Analyzed: 9/1/99

GC Column: RTX502. 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	930	U
1330-20-7	o-Xylene	620	U
100-42-5	Styrene	620	U
75-25-2	Bromoform	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 56

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.11

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004187.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 15.55 Date Analyzed: 9/1/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

57

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004188.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 19.07 Date Analyzed: 9/1/99

GC Column: RTX502. 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	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4100	U
1634044	Methyl-tert-Butyl ether	940	U
108203	Di-isopropyl ether	620	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	940	U
74-83-9	Bromomethane	620	U
75-00-3	Chloroethane	940	U
75-69-4	Trichlorofluoromethane	620	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	620	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	620	U
156-60-5	trans-1,2-Dichloroethene	620	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	620	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	620	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	620	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	620	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	620	U
79-00-5	1,1,2-Trichloroethane	620	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	620	U
126-48-1	Dibromochloromethane	620	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	620	U

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

57

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004188.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 19.07 Date Analyzed: 9/1/99

GC Column: RTX502. 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	620	U
100-42-5	Styrene	620	U
75-25-2	Bromoform	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 57

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004188.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 19.07 Date Analyzed: 9/1/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

58

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.15

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB004189.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 10.85 Date Analyzed: 9/1/99

GC Column: RTX502. 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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

58

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.15

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB004189.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 10.85 Date Analyzed: 9/1/99

GC Column: RTX502. 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: 58

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.15

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB004189.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 10.85 Date Analyzed: 9/1/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

59

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.17

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004190.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 5.78 Date Analyzed: 9/1/99

GC Column: RTX502. 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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	U
1634044	Methyl-tert-Butyl ether	830	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	830	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	830	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	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	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

59

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.17

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004190.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 5.78 Date Analyzed: 9/1/99

GC Column: RTX502. 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	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: 59

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.17

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004190.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 5.78 Date Analyzed: 9/1/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

60

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.19

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004191.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 22.65 Date Analyzed: 9/1/99

GC Column: RTX502. 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	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4300	U
1634044	Methyl-tert-Butyl ether	980	U
108203	Di-isopropyl ether	660	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	330	U
75-01-4	Vinyl Chloride	980	U
74-83-9	Bromomethane	660	U
75-00-3	Chloroethane	980	U
75-69-4	Trichlorofluoromethane	660	U
75-35-4	1,1-Dichloroethene	330	U
67-64-1	Acetone	660	U
75-15-0	Carbon Disulfide	330	U
75-09-2	Methylene Chloride	660	U
156-60-5	trans-1,2-Dichloroethene	660	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	660	U
71-43-2	Benzene	330	U
107-06-2	1,2-Dichloroethane	660	U
79-01-6	Trichloroethene	330	U
78-87-5	1,2-Dichloropropane	330	U
75-27-4	Bromodichloromethane	330	U
110-75-8	2-Chloroethyl vinyl ether	660	U
10061-01-5	cis-1,3-Dichloropropene	330	U
108-10-1	4-Methyl-2-Pentanone	660	U
108-88-3	Toluene	330	U
10061-02-6	trans-1,3-Dichloropropene	660	U
79-00-5	1,1,2-Trichloroethane	660	U
127-18-4	Tetrachloroethene	330	U
591-78-6	2-Hexanone	660	U
126-48-1	Dibromochloromethane	660	U
108-90-7	Chlorobenzene	330	U
100-41-4	Ethylbenzene	660	U

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

60

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.19

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004191.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 22.65 Date Analyzed: 9/1/99

GC Column: RTX502. 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	980	U
1330-20-7	o-Xylene	660	U
100-42-5	Styrene	660	U
75-25-2	Bromoform	660	U
79-34-5	1,1,2,2-Tetrachloroethane	660	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 60

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.19

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004191.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 22.65 Date Analyzed: 9/1/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

61

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.21

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004192.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 15.07 Date Analyzed: 9/1/99

GC Column: RTX502. 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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	4000	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

61

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.21

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004192.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 15.07 Date Analyzed: 9/1/99

GC Column: RTX502. 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: 61

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.21

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004192.D

Level: (low/med) MED Date Received: 8/26/99

% Moisture: not dec. 15.07 Date Analyzed: 9/1/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

63

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004196.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 13.69 Date Analyzed: 9/1/99

GC Column: RTX502. 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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

63

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004196.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 13.69 Date Analyzed: 9/1/99

GC Column: RTX502. 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: 63

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004196.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 13.69 Date Analyzed: 9/1/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

64

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.05

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004207.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 17.91 Date Analyzed: 9/2/99

GC Column: RTX502. 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	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4100	U
1634044	Methyl-tert-Butyl ether	950	U
108203	Di-isopropyl ether	640	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	320	U
75-01-4	Vinyl Chloride	950	U
74-83-9	Bromomethane	640	U
75-00-3	Chloroethane	950	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	950	U
78-93-3	2-Butanone	950	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

64

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.05

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004207.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 17.91 Date Analyzed: 9/2/99

GC Column: RTX502. 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	950	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: 64

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.05

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004207.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 17.91 Date Analyzed: 9/2/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID: 65

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB004208.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 20 Date Analyzed: 9/2/99

GC Column: RTX502. 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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

65

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB004208.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 20 Date Analyzed: 9/2/99

GC Column: RTX502. 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	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: 65

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB004208.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 20 Date Analyzed: 9/2/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

66

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.09

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004209.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 17.38 Date Analyzed: 9/2/99

GC Column: RTX502. 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	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4100	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

66

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.09

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004209.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 17.38 Date Analyzed: 9/2/99

GC Column: RTX502. 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: 66

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.09

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004209.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 17.38 Date Analyzed: 9/2/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID: 67

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.11

Sample wt/vol: 10.5 (g/ml) G Lab File ID: VB004210.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 17.47 Date Analyzed: 9/2/99

GC Column: RTX502. 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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

67

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.11

Sample wt/vol: 10.5 (g/ml) G Lab File ID: VB004210.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 17.47 Date Analyzed: 9/2/99

GC Column: RTX502. 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: 67

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.11

Sample wt/vol: 10.5 (g/ml) G Lab File ID: VB004210.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 17.47 Date Analyzed: 9/2/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

68

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.13

Sample wt/vol: 10.5 (g/ml) G Lab File ID: VB004211.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 17.79 Date Analyzed: 9/2/99

GC Column: RTX502. 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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

68

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.13

Sample wt/vol: 10.5 (g/ml) G Lab File ID: VB004211.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 17.79 Date Analyzed: 9/2/99

GC Column: RTX502. 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: 68

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.13

Sample wt/vol: 10.5 (g/ml) G Lab File ID: VB004211.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 17.79 Date Analyzed: 9/2/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

69

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.15

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004212.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 12.33 Date Analyzed: 9/2/99

GC Column: RTX502. 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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

69

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.15

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004212.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 12.33 Date Analyzed: 9/2/99

GC Column: RTX502. 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: 69

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.15

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004212.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 12.33 Date Analyzed: 9/2/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

70

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.17

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004213.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 14.41 Date Analyzed: 9/2/99

GC Column: RTX502. 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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

70

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.17

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004213.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 14.41 Date Analyzed: 9/2/99

GC Column: RTX502. 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	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: 70

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.17

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004213.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 14.41 Date Analyzed: 9/2/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

71

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.19

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004214.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 12.53 Date Analyzed: 9/2/99

GC Column: RTX502. 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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

71

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.19

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004214.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 12.53 Date Analyzed: 9/2/99

GC Column: RTX502. 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: 71

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.19

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004214.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 12.53 Date Analyzed: 9/2/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

000532

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

72

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.21

Sample wt/vol: 9.2 (g/ml) G Lab File ID: VB004215.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 10.61 Date Analyzed: 9/2/99

GC Column: RTX502. 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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	4000	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

72

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.21

Sample wt/vol: 9.2 (g/ml) G Lab File ID: VB004215.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 10.61 Date Analyzed: 9/2/99

GC Column: RTX502. 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: 72

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.21

Sample wt/vol: 9.2 (g/ml) G Lab File ID: VB004215.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 10.61 Date Analyzed: 9/2/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

73

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.23

Sample wt/vol: 9.3 (g/ml) G Lab File ID: VB004216.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 11.75 Date Analyzed: 9/2/99

GC Column: RTX502. 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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	4000	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

000536

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

73

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.23

Sample wt/vol: 9.3 (g/ml) G Lab File ID: VB004216.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 11.75 Date Analyzed: 9/2/99

GC Column: RTX502. 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: 73

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.23

Sample wt/vol: 9.3 (g/ml) G Lab File ID: VB004216.D

Level: (low/med) MED Date Received: 8/27/99

% Moisture: not dec. 11.75 Date Analyzed: 9/2/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

74

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.03

Sample wt/vol: 9.4 (g/ml) G Lab File ID: VC000742.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 16.27 Date Analyzed: 9/1/99

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	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4100	U
1634044	Methyl-tert-Butyl ether	950	U
108203	Di-isopropyl ether	630	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	320	U
75-01-4	Vinyl Chloride	950	U
74-83-9	Bromomethane	630	U
75-00-3	Chloroethane	950	U
75-69-4	Trichlorofluoromethane	630	U
75-35-4	1,1-Dichloroethene	320	U
67-64-1	Acetone	630	U
75-15-0	Carbon Disulfide	320	U
75-09-2	Methylene Chloride	630	U
156-60-5	trans-1,2-Dichloroethene	630	U
75-35-3	1,1-Dichloroethane	320	U
108-05-4	Vinyl Acetate	950	U
78-93-3	2-Butanone	950	U
	cis-1,2-Dichloroethene	1100	
67-66-3	Chloroform	320	U
75-55-6	1,1,1-Trichloroethane	320	U
56-23-5	Carbon Tetrachloride	630	U
71-43-2	Benzene	1300	
107-06-2	1,2-Dichloroethane	630	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	630	U
10061-01-5	cis-1,3-Dichloropropene	320	U
108-10-1	4-Methyl-2-Pentanone	630	U
108-88-3	Toluene	680	
10061-02-6	trans-1,3-Dichloropropene	630	U
79-00-5	1,1,2-Trichloroethane	630	U
127-18-4	Tetrachloroethene	320	U
591-78-6	2-Hexanone	630	U
126-48-1	Dibromochloromethane	630	U
108-90-7	Chlorobenzene	320	U
100-41-4	Ethylbenzene	880	

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

74

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.03

Sample wt/vol: 9.4 (g/ml) G Lab File ID: VC000742.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 16.27 Date Analyzed: 9/1/99

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	J
1330-20-7	o-Xylene	510	J
100-42-5	Styrene	630	U
75-25-2	Bromoform	630	U
79-34-5	1,1,2,2-Tetrachloroethane	630	U

061540

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. 74

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.03

Sample wt/vol: 9.4 (g/ml) G Lab File ID: VC000742.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 16.27 Date Analyzed: 9/1/99

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: 9

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000111-65-9	Octane	23.11	2200	JN
2.	unknown	25.64	2000	J
3.	unknown	25.96	2700	J
4. 000111-84-2	Nonane	26.98	4400	JN
5.	unknown	28.54	2400	J
6.	unknown	29.01	8100	J
7.	unknown	30.07	2500	J
8.	unknown	30.45	4600	J
9.	unknown	31.11	2100	J

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

75

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.05

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000743.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 16.27 Date Analyzed: 9/1/99

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

75

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.05

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000743.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 16.27 Date Analyzed: 9/1/99

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. 75

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.05

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000743.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 16.27 Date Analyzed: 9/1/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

76

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.07

Sample wt/vol: 9.5 (g/ml) G Lab File ID: VC000744.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 24.62 Date Analyzed: 9/1/99

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	2400	U
107131	Acrylonitrile	2400	U
75650	tert-Butyl alcohol	4500	U
1634044	Methyl-tert-Butyl ether	1000	U
108203	Di-isopropyl ether	700	U
	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	350	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	700	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	700	U
75-35-4	1,1-Dichloroethene	350	U
67-64-1	Acetone	700	U
75-15-0	Carbon Disulfide	350	U
75-09-2	Methylene Chloride	700	U
156-60-5	trans-1,2-Dichloroethene	700	U
75-35-3	1,1-Dichloroethane	350	U
108-05-4	Vinyl Acetate	1000	U
78-93-3	2-Butanone	1000	U
	cis-1,2-Dichloroethene	350	U
67-66-3	Chloroform	350	U
75-55-6	1,1,1-Trichloroethane	350	U
56-23-5	Carbon Tetrachloride	700	U
71-43-2	Benzene	350	U
107-06-2	1,2-Dichloroethane	700	U
79-01-6	Trichloroethene	350	U
78-87-5	1,2-Dichloropropane	350	U
75-27-4	Bromodichloromethane	350	U
110-75-8	2-Chloroethyl vinyl ether	700	U
10061-01-5	cis-1,3-Dichloropropene	350	U
108-10-1	4-Methyl-2-Pentanone	700	U
108-88-3	Toluene	350	U
10061-02-6	trans-1,3-Dichloropropene	700	U
79-00-5	1,1,2-Trichloroethane	700	U
127-18-4	Tetrachloroethene	350	U
591-78-6	2-Hexanone	700	U
126-48-1	Dibromochloromethane	700	U
108-90-7	Chlorobenzene	350	U
100-41-4	Ethylbenzene	700	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

76

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.07

Sample wt/vol: 9.5 (g/ml) G Lab File ID: VC000744.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 24.62 Date Analyzed: 9/1/99

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	700	U
100-42-5	Styrene	700	U
75-25-2	Bromoform	700	U
79-34-5	1,1,2,2-Tetrachloroethane	700	U

000546

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. 76

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.07

Sample wt/vol: 9.5 (g/ml) G Lab File ID: VC000744.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 24.62 Date Analyzed: 9/1/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

77

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.09

Sample wt/vol: 9.4 (g/ml) G Lab File ID: VC000745.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 8.25 Date Analyzed: 9/1/99

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

77

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.09

Sample wt/vol: 9.4 (g/ml) G Lab File ID: VC000745.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 8.25 Date Analyzed: 9/1/99

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.

77

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.09

Sample wt/vol: 9.4 (g/ml) G Lab File ID: VC000745.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 8.25 Date Analyzed: 9/1/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

78

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.11

Sample wt/vol: 9.2 (g/ml) G Lab File ID: VC000746.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 25.06 Date Analyzed: 9/1/99

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	2500	U
107131	Acrylonitrile	2500	U
75650	tert-Butyl alcohol	4700	U
1634044	Methyl-tert-Butyl ether	1100	U
108203	Di-isopropyl ether	720	U
	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	360	U
75-01-4	Vinyl Chloride	1100	U
74-83-9	Bromomethane	720	U
75-00-3	Chloroethane	1100	U
75-69-4	Trichlorofluoromethane	720	U
75-35-4	1,1-Dichloroethene	360	U
67-64-1	Acetone	720	U
75-15-0	Carbon Disulfide	360	U
75-09-2	Methylene Chloride	720	U
156-60-5	trans-1,2-Dichloroethene	720	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	720	U
71-43-2	Benzene	360	U
107-06-2	1,2-Dichloroethane	720	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	720	U
10061-01-5	cis-1,3-Dichloropropene	360	U
108-10-1	4-Methyl-2-Pentanone	720	U
108-88-3	Toluene	360	U
10061-02-6	trans-1,3-Dichloropropene	720	U
79-00-5	1,1,2-Trichloroethane	720	U
127-18-4	Tetrachloroethene	360	U
591-78-6	2-Hexanone	720	U
126-48-1	Dibromochloromethane	720	U
108-90-7	Chlorobenzene	360	U
100-41-4	Ethylbenzene	720	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

78

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.11

Sample wt/vol: 9.2 (g/ml) G Lab File ID: VC000746.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 25.06 Date Analyzed: 9/1/99

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	1100	U
1330-20-7	o-Xylene	720	U
100-42-5	Styrene	720	U
75-25-2	Bromoform	720	U
79-34-5	1,1,2,2-Tetrachloroethane	720	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. 78

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.11

Sample wt/vol: 9.2 (g/ml) G Lab File ID: VC000746.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 25.06 Date Analyzed: 9/1/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

79

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.13

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000747.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 11.92 Date Analyzed: 9/1/99

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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

79

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.13

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000747.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 11.92 Date Analyzed: 9/1/99

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. 79

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.13

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000747.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 11.92 Date Analyzed: 9/1/99

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: 5

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 014676-29-0	Heptane, 3-ethyl-2-methyl-	28.53	1800	JN
2.	unknown	30.07	2100	J
3.	unknown	30.66	1900	J
4. 002847-72-5	Decane, 4-methyl-	30.90	3200	JN
5. 001678-93-9	Cyclohexane, butyl-	32.17	3000	JN

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

80

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.15

Sample wt/vol: 9.4 (g/ml) G Lab File ID: VC000748.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 14.01 Date Analyzed: 9/1/99

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	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4000	U
1634044	Methyl-tert-Butyl ether	930	U
108203	Di-isopropyl ether	620	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	930	U
74-83-9	Bromomethane	620	U
75-00-3	Chloroethane	930	U
75-69-4	Trichlorofluoromethane	620	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	620	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	620	U
156-60-5	trans-1,2-Dichloroethene	620	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	930	U
78-93-3	2-Butanone	930	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	620	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	620	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	620	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	620	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	620	U
79-00-5	1,1,2-Trichloroethane	620	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	620	U
126-48-1	Dibromochloromethane	620	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	620	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

80

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.15

Sample wt/vol: 9.4 (g/ml) G Lab File ID: VC000748.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 14.01 Date Analyzed: 9/1/99

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	930	U
1330-20-7	o-Xylene	620	U
100-42-5	Styrene	620	U
75-25-2	Bromoform	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. **80**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.15

Sample wt/vol: 9.4 (g/ml) G Lab File ID: VC000748.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 14.01 Date Analyzed: 9/1/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

81

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.17

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VC000749.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 17.24 Date Analyzed: 9/1/99

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	4000	U
1634044	Methyl-tert-Butyl ether	910	U
108203	Di-isopropyl ether	610	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	910	U
74-83-9	Bromomethane	610	U
75-00-3	Chloroethane	910	U
75-69-4	Trichlorofluoromethane	610	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	610	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	610	U
156-60-5	trans-1,2-Dichloroethene	610	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	610	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	610	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	610	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	610	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	610	U
79-00-5	1,1,2-Trichloroethane	610	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	610	U
126-48-1	Dibromochloromethane	610	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	610	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

81

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.17

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VC000749.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 17.24 Date Analyzed: 9/1/99

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	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.

81

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.17

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VC000749.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 17.24 Date Analyzed: 9/1/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

82

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000750.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 42.46 Date Analyzed: 9/1/99

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	3000	U
107131	Acrylonitrile	3000	U
75650	tert-Butyl alcohol	5500	U
1634044	Methyl-tert-Butyl ether	1300	U
108203	Di-isopropyl ether	850	U
	Dichlorodifluoromethane	1700	U
74-87-3	Chloromethane	420	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	850	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	850	U
75-35-4	1,1-Dichloroethene	420	U
67-64-1	Acetone	850	U
75-15-0	Carbon Disulfide	420	U
75-09-2	Methylene Chloride	850	U
156-60-5	trans-1,2-Dichloroethene	850	U
75-35-3	1,1-Dichloroethane	420	U
108-05-4	Vinyl Acetate	1300	U
78-93-3	2-Butanone	1300	U
	cis-1,2-Dichloroethene	420	U
67-66-3	Chloroform	420	U
75-55-6	1,1,1-Trichloroethane	420	U
56-23-5	Carbon Tetrachloride	850	U
71-43-2	Benzene	420	U
107-06-2	1,2-Dichloroethane	850	U
79-01-6	Trichloroethene	420	U
78-87-5	1,2-Dichloropropane	420	U
75-27-4	Bromodichloromethane	420	U
110-75-8	2-Chloroethyl vinyl ether	850	U
10061-01-5	cis-1,3-Dichloropropene	420	U
108-10-1	4-Methyl-2-Pentanone	850	U
108-88-3	Toluene	420	U
10061-02-6	trans-1,3-Dichloropropene	850	U
79-00-5	1,1,2-Trichloroethane	850	U
127-18-4	Tetrachloroethene	420	U
591-78-6	2-Hexanone	850	U
126-48-1	Dibromochloromethane	850	U
108-90-7	Chlorobenzene	420	U
100-41-4	Ethylbenzene	850	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

82

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000750.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 42.46 Date Analyzed: 9/1/99

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	1300	U
1330-20-7	o-Xylene	850	U
100-42-5	Styrene	850	U
75-25-2	Bromoform	850	U
79-34-5	1,1,2,2-Tetrachloroethane	850	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. 82

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000750.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 42.46 Date Analyzed: 9/1/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

83

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.21

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VC000751.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 13.09 Date Analyzed: 9/1/99

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

83

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.21

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VC000751.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 13.09 Date Analyzed: 9/1/99

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. **83**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.21

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VC000751.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 13.09 Date Analyzed: 9/1/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

84

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.23

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VC000752.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 13.31 Date Analyzed: 9/1/99

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

84

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.23

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VC000752.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 13.31 Date Analyzed: 9/1/99

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. 84

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.23

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VC000752.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 13.31 Date Analyzed: 9/1/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

85

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.25

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000753.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 11.25 Date Analyzed: 9/1/99

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

85

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.25

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000753.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 11.25 Date Analyzed: 9/1/99

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.

85

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.25

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000753.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 11.25 Date Analyzed: 9/1/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

86

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.27

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000754.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 13.53 Date Analyzed: 9/2/99

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

86

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.27

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000754.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 13.53 Date Analyzed: 9/2/99

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. 86

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.27

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000754.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 13.53 Date Analyzed: 9/2/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

87

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.29

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VC000755.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 14.38 Date Analyzed: 9/2/99

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3800	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

87

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.29

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VC000755.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 14.38 Date Analyzed: 9/2/99

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. 87

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.29

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VC000755.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 14.38 Date Analyzed: 9/2/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

88

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.31

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000747.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 24.82 Date Analyzed: 9/3/99

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	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4300	U
1634044	Methyl-tert-Butyl ether	980	U
108203	Di-isopropyl ether	660	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	330	U
75-01-4	Vinyl Chloride	980	U
74-83-9	Bromomethane	660	U
75-00-3	Chloroethane	980	U
75-69-4	Trichlorofluoromethane	660	U
75-35-4	1,1-Dichloroethene	330	U
67-64-1	Acetone	660	U
75-15-0	Carbon Disulfide	330	U
75-09-2	Methylene Chloride	660	U
156-60-5	trans-1,2-Dichloroethene	660	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	660	U
71-43-2	Benzene	330	U
107-06-2	1,2-Dichloroethane	660	U
79-01-6	Trichloroethene	330	U
78-87-5	1,2-Dichloropropane	330	U
75-27-4	Bromodichloromethane	330	U
110-75-8	2-Chloroethyl vinyl ether	660	U
10061-01-5	cis-1,3-Dichloropropene	330	U
108-10-1	4-Methyl-2-Pentanone	660	U
108-88-3	Toluene	330	U
10061-02-6	trans-1,3-Dichloropropene	660	U
79-00-5	1,1,2-Trichloroethane	660	U
127-18-4	Tetrachloroethene	330	U
591-78-6	2-Hexanone	660	U
126-48-1	Dibromochloromethane	660	U
108-90-7	Chlorobenzene	330	U
100-41-4	Ethylbenzene	660	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

88

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.31

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000747.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 24.82 Date Analyzed: 9/3/99

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	980	U
1330-20-7	o-Xylene	660	U
100-42-5	Styrene	660	U
75-25-2	Bromoform	660	U
79-34-5	1,1,2,2-Tetrachloroethane	660	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. 88

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.31

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000747.D

Level: (low/med) MED Date Received: 8/30/99

% Moisture: not dec. 24.82 Date Analyzed: 9/3/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

89

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.03

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004244.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 14.18 Date Analyzed: 9/8/99

GC Column: RTX502. 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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	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	13000	
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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

89

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.03

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004244.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 14.18 Date Analyzed: 9/8/99

GC Column: RTX502. 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	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: 89

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.03

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004244.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 14.18 Date Analyzed: 9/8/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q
1.	unknown	6.24	3100	J

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

90

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004245.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 8.02 Date Analyzed: 9/8/99

GC Column: RTX502. 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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	820	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	820	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	12000	
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	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	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

90

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004245.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 8.02 Date Analyzed: 9/8/99

GC Column: RTX502. 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	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: 90

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004245.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 8.02 Date Analyzed: 9/8/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

91

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.07

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB004246.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 8.82 Date Analyzed: 9/8/99

GC Column: RTX502. 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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	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	11000	
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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

91

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.07

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB004246.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 8.82 Date Analyzed: 9/8/99

GC Column: RTX502. 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: 91

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.07

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB004246.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 8.82 Date Analyzed: 9/8/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

92

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.09

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB004247.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 13.62 Date Analyzed: 9/8/99

GC Column: RTX502. 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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	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	670	J
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	12000	
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	630	
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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

92

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.09

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB004247.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 13.62 Date Analyzed: 9/8/99

GC Column: RTX502. 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: 92

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.09

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB004247.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 13.62 Date Analyzed: 9/8/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

93

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.11

Sample wt/vol: 10.6 (g/ml) G Lab File ID: VB004248.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 15.32 Date Analyzed: 9/8/99

GC Column: RTX502. 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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	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	11000	
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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

93

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.11

Sample wt/vol: 10.6 (g/ml) G Lab File ID: VB004248.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 15.32 Date Analyzed: 9/8/99

GC Column: RTX502. 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: 93

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.11

Sample wt/vol: 10.6 (g/ml) G Lab File ID: VB004248.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 15.32 Date Analyzed: 9/8/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

94

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.13

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB004249.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 10.05 Date Analyzed: 9/8/99

GC Column: RTX502. 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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	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	13000	
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

FIELD ID: 94

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.13

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB004249.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 10.05 Date Analyzed: 9/8/99

GC Column: RTX502. 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: 94

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.13

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB004249.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 10.05 Date Analyzed: 9/8/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

95

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.15

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004250.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 15.04 Date Analyzed: 9/8/99

GC Column: RTX502. 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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	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	13000	
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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

95

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.15

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004250.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 15.04 Date Analyzed: 9/8/99

GC Column: RTX502. 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: 95

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.15

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004250.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 15.04 Date Analyzed: 9/8/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

96

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.17

Sample wt/vol: 10.6 (g/ml) G Lab File ID: VB004251.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 24.2 Date Analyzed: 9/8/99

GC Column: RTX502. 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	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4000	U
1634044	Methyl-tert-Butyl ether	930	U
108203	Di-isopropyl ether	620	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	930	U
74-83-9	Bromomethane	620	U
75-00-3	Chloroethane	930	U
75-69-4	Trichlorofluoromethane	620	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	14000	
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	620	U
156-60-5	trans-1,2-Dichloroethene	620	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	930	U
78-93-3	2-Butanone	930	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	620	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	620	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	620	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	620	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	620	U
79-00-5	1,1,2-Trichloroethane	620	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	620	U
126-48-1	Dibromochloromethane	620	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	620	U

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

96

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.17

Sample wt/vol: 10.6 (g/ml) G Lab File ID: VB004251.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 24.2 Date Analyzed: 9/8/99

GC Column: RTX502. 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	930	U
1330-20-7	o-Xylene	620	U
100-42-5	Styrene	620	U
75-25-2	Bromoform	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 96

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.17

Sample wt/vol: 10.6 (g/ml) G Lab File ID: VB004251.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 24.2 Date Analyzed: 9/8/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

97

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.19

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB004252.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 12.88 Date Analyzed: 9/8/99

GC Column: RTX502. 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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	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	13000	
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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

97

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.19

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB004252.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 12.88 Date Analyzed: 9/8/99

GC Column: RTX502. 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	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: 97

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.19

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB004252.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 12.88 Date Analyzed: 9/8/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q
1.	unknown	5.37	2000	J

1A

FIELD ID: 98

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.21

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004253.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 11.74 Date Analyzed: 9/8/99

GC Column: RTX502. 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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3800	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	13000	
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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

98

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.21

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004253.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 11.74 Date Analyzed: 9/8/99

GC Column: RTX502. 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: 98

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.21

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004253.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 11.74 Date Analyzed: 9/8/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q
1.	unknown	5.41	2500	J

1A

FIELD ID: 99

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.23

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004254.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 15.61 Date Analyzed: 9/8/99

GC Column: RTX502. 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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3800	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	14000	
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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.23

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004254.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 15.61 Date Analyzed: 9/8/99

GC Column: RTX502. 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	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: 99

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.23

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004254.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 15.61 Date Analyzed: 9/8/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

100

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.25

Sample wt/vol: 9.5 (g/ml) G Lab File ID: VB004255.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 14.98 Date Analyzed: 9/8/99

GC Column: RTX502. 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	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4000	U
1634044	Methyl-tert-Butyl ether	930	U
108203	Di-isopropyl ether	620	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	930	U
74-83-9	Bromomethane	620	U
75-00-3	Chloroethane	930	U
75-69-4	Trichlorofluoromethane	620	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	14000	
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	620	U
156-60-5	trans-1,2-Dichloroethene	620	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	930	U
78-93-3	2-Butanone	930	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	620	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	620	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	620	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	620	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	620	U
79-00-5	1,1,2-Trichloroethane	620	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	620	U
126-48-1	Dibromochloromethane	620	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	620	U

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

100

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.25

Sample wt/vol: 9.5 (g/ml) G Lab File ID: VB004255.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 14.98 Date Analyzed: 9/8/99

GC Column: RTX502. 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	930	U
1330-20-7	o-Xylene	620	U
100-42-5	Styrene	620	U
75-25-2	Bromoform	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 100

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.25

Sample wt/vol: 9.5 (g/ml) G Lab File ID: VB004255.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 14.98 Date Analyzed: 9/8/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

101

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.27

Sample wt/vol: 8.6 (g/ml) G Lab File ID: VB004256.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 16.41 Date Analyzed: 9/8/99

GC Column: RTX502. 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	2400	U
107131	Acrylonitrile	2400	U
75650	tert-Butyl alcohol	4500	U
1634044	Methyl-tert-Butyl ether	1000	U
108203	Di-isopropyl ether	700	U
	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	350	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	700	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	700	U
75-35-4	1,1-Dichloroethene	350	U
67-64-1	Acetone	16000	
75-15-0	Carbon Disulfide	350	U
75-09-2	Methylene Chloride	700	U
156-60-5	trans-1,2-Dichloroethene	700	U
75-35-3	1,1-Dichloroethane	350	U
108-05-4	Vinyl Acetate	1000	U
78-93-3	2-Butanone	1000	U
	cis-1,2-Dichloroethene	350	U
67-66-3	Chloroform	350	U
75-55-6	1,1,1-Trichloroethane	350	U
56-23-5	Carbon Tetrachloride	700	U
71-43-2	Benzene	350	U
107-06-2	1,2-Dichloroethane	700	U
79-01-6	Trichloroethene	350	U
78-87-5	1,2-Dichloropropane	350	U
75-27-4	Bromodichloromethane	350	U
110-75-8	2-Chloroethyl vinyl ether	700	U
10061-01-5	cis-1,3-Dichloropropene	350	U
108-10-1	4-Methyl-2-Pentanone	700	U
108-88-3	Toluene	350	U
10061-02-6	trans-1,3-Dichloropropene	700	U
79-00-5	1,1,2-Trichloroethane	700	U
127-18-4	Tetrachloroethene	350	U
591-78-6	2-Hexanone	700	U
126-48-1	Dibromochloromethane	700	U
108-90-7	Chlorobenzene	350	U
100-41-4	Ethylbenzene	700	U

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

101

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.27

Sample wt/vol: 8.6 (g/ml) G Lab File ID: VB004256.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 16.41 Date Analyzed: 9/8/99

GC Column: RTX502. 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	700	U
100-42-5	Styrene	700	U
75-25-2	Bromoform	700	U
79-34-5	1,1,2,2-Tetrachloroethane	700	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **101**

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.27

Sample wt/vol: 8.6 (g/ml) G Lab File ID: VB004256.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 16.41 Date Analyzed: 9/8/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID: 102

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.29

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004257.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 14.93 Date Analyzed: 9/8/99

GC Column: RTX502. 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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	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	13000	
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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

102

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.29

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004257.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 14.93 Date Analyzed: 9/8/99

GC Column: RTX502. 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: 102

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.29

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004257.D

Level: (low/med) MED Date Received: 8/31/99

% Moisture: not dec. 14.93 Date Analyzed: 9/8/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

103

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.03

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB004270.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 12.93 Date Analyzed: 9/9/99

GC Column: RTX502. 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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

103

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.03

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB004270.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 12.93 Date Analyzed: 9/9/99

GC Column: RTX502. 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	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: 103

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.03

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB004270.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 12.93 Date Analyzed: 9/9/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

104

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.05

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004271.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 7.06 Date Analyzed: 9/9/99

GC Column: RTX502. 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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

104

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.05

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004271.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 7.06 Date Analyzed: 9/9/99

GC Column: RTX502. 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: 104

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.05

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004271.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 7.06 Date Analyzed: 9/9/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID: 105

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.07

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB004272.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 9.5 Date Analyzed: 9/9/99

GC Column: RTX502. 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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	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
	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

105

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.07

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB004272.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 9.5 Date Analyzed: 9/9/99

GC Column: RTX502. 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: 105

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.07

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB004272.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 9.5 Date Analyzed: 9/9/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

000634

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

106

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.09

Sample wt/vol: 10.5 (g/ml) G Lab File ID: VB004273.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 55.21 Date Analyzed: 9/9/99

GC Column: RTX502. 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	3700	U
107131	Acrylonitrile	3700	U
75650	tert-Butyl alcohol	6900	U
1634044	Methyl-tert-Butyl ether	1600	U
108203	Di-isopropyl ether	1100	U
	Dichlorodifluoromethane	2100	U
74-87-3	Chloromethane	530	U
75-01-4	Vinyl Chloride	1600	U
74-83-9	Bromomethane	1100	U
75-00-3	Chloroethane	1600	U
75-69-4	Trichlorofluoromethane	1100	U
75-35-4	1,1-Dichloroethene	530	U
67-64-1	Acetone	1100	U
75-15-0	Carbon Disulfide	530	U
75-09-2	Methylene Chloride	1100	U
156-60-5	trans-1,2-Dichloroethene	1100	U
75-35-3	1,1-Dichloroethane	530	U
108-05-4	Vinyl Acetate	1600	U
78-93-3	2-Butanone	1600	U
	cis-1,2-Dichloroethene	530	U
67-66-3	Chloroform	530	U
75-55-6	1,1,1-Trichloroethane	530	U
56-23-5	Carbon Tetrachloride	1100	U
71-43-2	Benzene	530	U
107-06-2	1,2-Dichloroethane	1100	U
79-01-6	Trichloroethene	530	U
78-87-5	1,2-Dichloropropane	530	U
75-27-4	Bromodichloromethane	530	U
110-75-8	2-Chloroethyl vinyl ether	1100	U
10061-01-5	cis-1,3-Dichloropropene	530	U
108-10-1	4-Methyl-2-Pentanone	1100	U
108-88-3	Toluene	530	U
10061-02-6	trans-1,3-Dichloropropene	1100	U
79-00-5	1,1,2-Trichloroethane	1100	U
127-18-4	Tetrachloroethene	530	U
591-78-6	2-Hexanone	1100	U
126-48-1	Dibromochloromethane	1100	U
108-90-7	Chlorobenzene	530	U
100-41-4	Ethylbenzene	1100	U

1A

FIELD ID: 106

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.09

Sample wt/vol: 10.5 (g/ml) G Lab File ID: VB004273.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 55.21 Date Analyzed: 9/9/99

GC Column: RTX502. 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	1600	U
1330-20-7	o-Xylene	1100	U
100-42-5	Styrene	1100	U
75-25-2	Bromoform	1100	U
79-34-5	1,1,2,2-Tetrachloroethane	1100	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 106

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.09

Sample wt/vol: 10.5 (g/ml) G Lab File ID: VB004273.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 55.21 Date Analyzed: 9/9/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

107

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.11

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004274.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 15.44 Date Analyzed: 9/9/99

GC Column: RTX502. 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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	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

FIELD ID: 107

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.11

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004274.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 15.44 Date Analyzed: 9/9/99

GC Column: RTX502. 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: 107

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.11

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004274.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 15.44 Date Analyzed: 9/9/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q
1.	unknown	5.38	2100	J

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

108

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.13

Sample wt/vol: 10.7 (g/ml) G Lab File ID: VB004275.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 12.67 Date Analyzed: 9/9/99

GC Column: RTX502. 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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

108

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.13

Sample wt/vol: 10.7 (g/ml) G Lab File ID: VB004275.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 12.67 Date Analyzed: 9/9/99

GC Column: RTX502. 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: 108

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.13

Sample wt/vol: 10.7 (g/ml) G Lab File ID: VB004275.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 12.67 Date Analyzed: 9/9/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

109

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.15

Sample wt/vol: 10.9 (g/ml) G Lab File ID: VB004276.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 17.31 Date Analyzed: 9/9/99

GC Column: RTX502. 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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	U
1634044	Methyl-tert-Butyl ether	830	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	830	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	830	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	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	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

109

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.15

Sample wt/vol: 10.9 (g/ml) G Lab File ID: VB004276.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 17.31 Date Analyzed: 9/9/99

GC Column: RTX502. 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	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: 109

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.15

Sample wt/vol: 10.9 (g/ml) G Lab File ID: VB004276.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 17.31 Date Analyzed: 9/9/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

110

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.17

Sample wt/vol: 10.6 (g/ml) G Lab File ID: VB004277.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 8.4 Date Analyzed: 9/9/99

GC Column: RTX502. 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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3300	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

110

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.17

Sample wt/vol: 10.6 (g/ml) G Lab File ID: VB004277.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 8.4 Date Analyzed: 9/9/99

GC Column: RTX502. 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: 110

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.17

Sample wt/vol: 10.6 (g/ml) G Lab File ID: VB004277.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 8.4 Date Analyzed: 9/9/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

111

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.19

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004278.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 11.71 Date Analyzed: 9/9/99

GC Column: RTX502. 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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3800	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

111

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.19

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004278.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 11.71 Date Analyzed: 9/9/99

GC Column: RTX502. 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	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: 111

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.19

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004278.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 11.71 Date Analyzed: 9/9/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q
1.	unknown	6.22	3400	J

1A

FIELD ID: 112

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.21

Sample wt/vol: 9.5 (g/ml) G Lab File ID: VB004279.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 28.92 Date Analyzed: 9/9/99

GC Column: RTX502. 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	2600	U
107131	Acrylonitrile	2600	U
75650	tert-Butyl alcohol	4800	U
1634044	Methyl-tert-Butyl ether	1100	U
108203	Di-isopropyl ether	740	U
	Dichlorodifluoromethane	1500	U
74-87-3	Chloromethane	370	U
75-01-4	Vinyl Chloride	1100	U
74-83-9	Bromomethane	740	U
75-00-3	Chloroethane	1100	U
75-69-4	Trichlorofluoromethane	740	U
75-35-4	1,1-Dichloroethene	370	U
67-64-1	Acetone	740	U
75-15-0	Carbon Disulfide	370	U
75-09-2	Methylene Chloride	1600	
156-60-5	trans-1,2-Dichloroethene	740	U
75-35-3	1,1-Dichloroethane	370	U
108-05-4	Vinyl Acetate	1100	U
78-93-3	2-Butanone	1100	U
	cis-1,2-Dichloroethene	370	U
67-66-3	Chloroform	370	U
75-55-6	1,1,1-Trichloroethane	370	U
56-23-5	Carbon Tetrachloride	740	U
71-43-2	Benzene	370	U
107-06-2	1,2-Dichloroethane	740	U
79-01-6	Trichloroethene	370	U
78-87-5	1,2-Dichloropropane	370	U
75-27-4	Bromodichloromethane	370	U
110-75-8	2-Chloroethyl vinyl ether	740	U
10061-01-5	cis-1,3-Dichloropropene	370	U
108-10-1	4-Methyl-2-Pentanone	740	U
108-88-3	Toluene	370	U
10061-02-6	trans-1,3-Dichloropropene	740	U
79-00-5	1,1,2-Trichloroethane	740	U
127-18-4	Tetrachloroethene	370	U
591-78-6	2-Hexanone	740	U
126-48-1	Dibromochloromethane	740	U
108-90-7	Chlorobenzene	370	U
100-41-4	Ethylbenzene	740	U

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

112

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.21

Sample wt/vol: 9.5 (g/ml) G Lab File ID: VB004279.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 28.92 Date Analyzed: 9/9/99

GC Column: RTX502. 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	1100	U
1330-20-7	o-Xylene	740	U
100-42-5	Styrene	740	U
75-25-2	Bromoform	740	U
79-34-5	1,1,2,2-Tetrachloroethane	740	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 112

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.21

Sample wt/vol: 9.5 (g/ml) G Lab File ID: VB004279.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 28.92 Date Analyzed: 9/9/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

113

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.23

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004280.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 15.19 Date Analyzed: 9/9/99

GC Column: RTX502. 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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	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

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

113

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.23

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004280.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 15.19 Date Analyzed: 9/9/99

GC Column: RTX502. 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	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: 113

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.23

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004280.D

Level: (low/med) MED Date Received: 9/7/99

% Moisture: not dec. 15.19 Date Analyzed: 9/9/99

GC Column: RTX502. 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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

114

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.03

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000808.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 14.87 Date Analyzed: 9/15/99

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

114

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.03

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000808.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 14.87 Date Analyzed: 9/15/99

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. 114

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.03

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000808.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 14.87 Date Analyzed: 9/15/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

115

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.05

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VC000809.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 8.19 Date Analyzed: 9/15/99

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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

115

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.05

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VC000809.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 8.19 Date Analyzed: 9/15/99

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. 115

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.05

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VC000809.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 8.19 Date Analyzed: 9/15/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

116

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000810.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 12.73 Date Analyzed: 9/15/99

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

116

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000810.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 12.73 Date Analyzed: 9/15/99

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	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.

116

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000810.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 12.73 Date Analyzed: 9/15/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

117

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.09

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000811.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 10.51 Date Analyzed: 9/15/99

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

117

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.09

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000811.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 10.51 Date Analyzed: 9/15/99

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. 117

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.09

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000811.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 10.51 Date Analyzed: 9/15/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

118

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.11

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000812.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 17.05 Date Analyzed: 9/15/99

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

118

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.11

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000812.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 17.05 Date Analyzed: 9/15/99

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. 118

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.11

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000812.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 17.05 Date Analyzed: 9/15/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

119

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.13

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000813.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 9.22 Date Analyzed: 9/15/99

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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

119

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.13

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000813.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 9.22 Date Analyzed: 9/15/99

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. 119

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.13

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000813.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 9.22 Date Analyzed: 9/15/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

120

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.15

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VC000814.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 6.39 Date Analyzed: 9/15/99

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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	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	290	J
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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

120

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.15

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VC000814.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 6.39 Date Analyzed: 9/15/99

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	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. 120

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.15

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VC000814.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 6.39 Date Analyzed: 9/15/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

121

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.17

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000815.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 14.33 Date Analyzed: 9/15/99

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	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	360	J
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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

121

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.17

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000815.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 14.33 Date Analyzed: 9/15/99

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. 121

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.17

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000815.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 14.33 Date Analyzed: 9/15/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

122

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000816.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 15.42 Date Analyzed: 9/15/99

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	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	350	J
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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

122

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000816.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 15.42 Date Analyzed: 9/15/99

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. 122

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000816.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 15.42 Date Analyzed: 9/15/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

123

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.21

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000817.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 14.37 Date Analyzed: 9/15/99

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3800	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	2500	
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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

123

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.21

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000817.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 14.37 Date Analyzed: 9/15/99

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.

123

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.21

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000817.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 14.37 Date Analyzed: 9/15/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

124

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.23

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000818.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 12.26 Date Analyzed: 9/15/99

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	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	1200	
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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

124

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.23

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000818.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 12.26 Date Analyzed: 9/15/99

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. 124

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.23

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000818.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 12.26 Date Analyzed: 9/15/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

125

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.25

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VC000819.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 9.06 Date Analyzed: 9/15/99

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	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	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	710	
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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

125

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.25

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VC000819.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 9.06 Date Analyzed: 9/15/99

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. 125

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.25

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VC000819.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 9.06 Date Analyzed: 9/15/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

126

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.27

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000828.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 12 Date Analyzed: 9/20/99

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	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	5700	
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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

126

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.27

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000828.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 12 Date Analyzed: 9/20/99

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. 126

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.27

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000828.D

Level: (low/med) MED Date Received: 9/8/99

% Moisture: not dec. 12 Date Analyzed: 9/20/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

127

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000832.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 15.54 Date Analyzed: 9/20/99

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

127

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000832.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 15.54 Date Analyzed: 9/20/99

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. 127

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000832.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 15.54 Date Analyzed: 9/20/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

128

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.05

Sample wt/vol: 9.0 (g/ml) G Lab File ID: VC000833.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 24.48 Date Analyzed: 9/20/99

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	2600	U
107131	Acrylonitrile	2600	U
75650	tert-Butyl alcohol	4800	U
1634044	Methyl-tert-Butyl ether	1100	U
108203	Di-isopropyl ether	730	U
	Dichlorodifluoromethane	1500	U
74-87-3	Chloromethane	370	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	370	U
67-64-1	Acetone	730	U
75-15-0	Carbon Disulfide	370	U
75-09-2	Methylene Chloride	730	U
156-60-5	trans-1,2-Dichloroethene	730	U
75-35-3	1,1-Dichloroethane	370	U
108-05-4	Vinyl Acetate	1100	U
78-93-3	2-Butanone	1100	U
	cis-1,2-Dichloroethene	370	U
67-66-3	Chloroform	370	U
75-55-6	1,1,1-Trichloroethane	370	U
56-23-5	Carbon Tetrachloride	730	U
71-43-2	Benzene	370	U
107-06-2	1,2-Dichloroethane	730	U
79-01-6	Trichloroethene	370	U
78-87-5	1,2-Dichloropropane	370	U
75-27-4	Bromodichloromethane	370	U
110-75-8	2-Chloroethyl vinyl ether	730	U
10061-01-5	cis-1,3-Dichloropropene	370	U
108-10-1	4-Methyl-2-Pentanone	730	U
108-88-3	Toluene	370	U
10061-02-6	trans-1,3-Dichloropropene	730	U
79-00-5	1,1,2-Trichloroethane	730	U
127-18-4	Tetrachloroethene	370	U
591-78-6	2-Hexanone	730	U
126-48-1	Dibromochloromethane	730	U
108-90-7	Chlorobenzene	370	U
100-41-4	Ethylbenzene	730	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

128

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.05

Sample wt/vol: 9.0 (g/ml) G Lab File ID: VC000833.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 24.48 Date Analyzed: 9/20/99

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. 128

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.05

Sample wt/vol: 9.0 (g/ml) G Lab File ID: VC000833.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 24.48 Date Analyzed: 9/20/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

129

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000834.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 17.82 Date Analyzed: 9/20/99

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

129

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000834.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 17.82 Date Analyzed: 9/20/99

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.

129

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000834.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 17.82 Date Analyzed: 9/20/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

130

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.09

Sample wt/vol: 9.3 (g/ml) G Lab File ID: VC000835.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 16.52 Date Analyzed: 9/20/99

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	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4200	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
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
108-88-3	Toluene	330	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
100-41-4	Ethylbenzene	650	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

130

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.09

Sample wt/vol: 9.3 (g/ml) G Lab File ID: VC000835.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 16.52 Date Analyzed: 9/20/99

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	980	U
1330-20-7	o-Xylene	650	U
100-42-5	Styrene	650	U
75-25-2	Bromoform	650	U
79-34-5	1,1,2,2-Tetrachloroethane	650	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

130

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.09

Sample wt/vol: 9.3 (g/ml) G Lab File ID: VC000835.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 16.52 Date Analyzed: 9/20/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

131

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.11

Sample wt/vol: 9.2 (g/ml) G Lab File ID: VC000836.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 14.96 Date Analyzed: 9/20/99

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	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4200	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

131

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.11

Sample wt/vol: 9.2 (g/ml) G Lab File ID: VC000836.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 14.96 Date Analyzed: 9/20/99

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.

131

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.11

Sample wt/vol: 9.2 (g/ml) G Lab File ID: VC000836.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 14.96 Date Analyzed: 9/20/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

132

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.13

Sample wt/vol: 9.2 (g/ml) G Lab File ID: VC000837.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 15.65 Date Analyzed: 9/20/99

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	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4200	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
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
108-88-3	Toluene	330	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
100-41-4	Ethylbenzene	650	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

132

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.13

Sample wt/vol: 9.2 (g/ml) G Lab File ID: VC000837.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 15.65 Date Analyzed: 9/20/99

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	980	U
1330-20-7	o-Xylene	650	U
100-42-5	Styrene	650	U
75-25-2	Bromoform	650	U
79-34-5	1,1,2,2-Tetrachloroethane	650	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

132

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.13

Sample wt/vol: 9.2 (g/ml) G Lab File ID: VC000837.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 15.65 Date Analyzed: 9/20/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

133

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.15

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VC000838.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 15.41 Date Analyzed: 9/20/99

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	910	U
108203	Di-isopropyl ether	610	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	910	U
74-83-9	Bromomethane	610	U
75-00-3	Chloroethane	910	U
75-69-4	Trichlorofluoromethane	610	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	610	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	610	U
156-60-5	trans-1,2-Dichloroethene	610	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	610	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	610	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	610	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	610	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	610	U
79-00-5	1,1,2-Trichloroethane	610	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	610	U
126-48-1	Dibromochloromethane	610	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	610	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

133

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.15

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VC000838.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 15.41 Date Analyzed: 9/20/99

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	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. 133

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.15

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VC000838.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 15.41 Date Analyzed: 9/20/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

134

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.17

Sample wt/vol: 9.2 (g/ml) G Lab File ID: VC000839.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 15.48 Date Analyzed: 9/20/99

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	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4100	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

134

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.17

Sample wt/vol: 9.2 (g/ml) G Lab File ID: VC000839.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 15.48 Date Analyzed: 9/20/99

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. 134

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.17

Sample wt/vol: 9.2 (g/ml) G Lab File ID: VC000839.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 15.48 Date Analyzed: 9/20/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

135

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.19

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VC000840.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 17.26 Date Analyzed: 9/20/99

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	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4100	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

135

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.19

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VC000840.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 17.26 Date Analyzed: 9/20/99

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.

135

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.19

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VC000840.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 17.26 Date Analyzed: 9/20/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

136

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.21

Sample wt/vol: 9.4 (g/ml) G Lab File ID: VC000841.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 19.5 Date Analyzed: 9/20/99

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	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4300	U
1634044	Methyl-tert-Butyl ether	990	U
108203	Di-isopropyl ether	660	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	330	U
75-01-4	Vinyl Chloride	990	U
74-83-9	Bromomethane	660	U
75-00-3	Chloroethane	990	U
75-69-4	Trichlorofluoromethane	660	U
75-35-4	1,1-Dichloroethene	330	U
67-64-1	Acetone	660	U
75-15-0	Carbon Disulfide	330	U
75-09-2	Methylene Chloride	660	U
156-60-5	trans-1,2-Dichloroethene	660	U
75-35-3	1,1-Dichloroethane	330	U
108-05-4	Vinyl Acetate	990	U
78-93-3	2-Butanone	990	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	660	U
71-43-2	Benzene	330	U
107-06-2	1,2-Dichloroethane	660	U
79-01-6	Trichloroethene	330	U
78-87-5	1,2-Dichloropropane	330	U
75-27-4	Bromodichloromethane	330	U
110-75-8	2-Chloroethyl vinyl ether	660	U
10061-01-5	cis-1,3-Dichloropropene	330	U
108-10-1	4-Methyl-2-Pentanone	660	U
108-88-3	Toluene	330	U
10061-02-6	trans-1,3-Dichloropropene	660	U
79-00-5	1,1,2-Trichloroethane	660	U
127-18-4	Tetrachloroethene	330	U
591-78-6	2-Hexanone	660	U
126-48-1	Dibromochloromethane	660	U
108-90-7	Chlorobenzene	330	U
100-41-4	Ethylbenzene	660	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

136

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.21

Sample wt/vol: 9.4 (g/ml) G Lab File ID: VC000841.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 19.5 Date Analyzed: 9/20/99

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	990	U
1330-20-7	o-Xylene	660	U
100-42-5	Styrene	660	U
75-25-2	Bromoform	660	U
79-34-5	1,1,2,2-Tetrachloroethane	660	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. 136

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.21

Sample wt/vol: 9.4 (g/ml) G Lab File ID: VC000841.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 19.5 Date Analyzed: 9/20/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

137

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.23

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000842.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 12.44 Date Analyzed: 9/20/99

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	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

137

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.23

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000842.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 12.44 Date Analyzed: 9/20/99

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. 137

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.23

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000842.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 12.44 Date Analyzed: 9/20/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

138

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.25

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VC000854.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 13.61 Date Analyzed: 9/21/99

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

138

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.25

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VC000854.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 13.61 Date Analyzed: 9/21/99

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. 138

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.25

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VC000854.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 13.61 Date Analyzed: 9/21/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

139

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.27

Sample wt/vol: 9.3 (g/ml) G Lab File ID: VC000855.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 21.78 Date Analyzed: 9/21/99

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	2400	U
107131	Acrylonitrile	2400	U
75650	tert-Butyl alcohol	4500	U
1634044	Methyl-tert-Butyl ether	1000	U
108203	Di-isopropyl ether	690	U
	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	350	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	690	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	690	U
75-35-4	1,1-Dichloroethene	350	U
67-64-1	Acetone	690	U
75-15-0	Carbon Disulfide	350	U
75-09-2	Methylene Chloride	690	U
156-60-5	trans-1,2-Dichloroethene	690	U
75-35-3	1,1-Dichloroethane	350	U
108-05-4	Vinyl Acetate	1000	U
78-93-3	2-Butanone	1000	U
	cis-1,2-Dichloroethene	350	U
67-66-3	Chloroform	350	U
75-55-6	1,1,1-Trichloroethane	350	U
56-23-5	Carbon Tetrachloride	690	U
71-43-2	Benzene	350	U
107-06-2	1,2-Dichloroethane	690	U
79-01-6	Trichloroethene	350	U
78-87-5	1,2-Dichloropropane	350	U
75-27-4	Bromodichloromethane	350	U
110-75-8	2-Chloroethyl vinyl ether	690	U
10061-01-5	cis-1,3-Dichloropropene	350	U
108-10-1	4-Methyl-2-Pentanone	690	U
108-88-3	Toluene	350	U
10061-02-6	trans-1,3-Dichloropropene	690	U
79-00-5	1,1,2-Trichloroethane	690	U
127-18-4	Tetrachloroethene	350	U
591-78-6	2-Hexanone	690	U
126-48-1	Dibromochloromethane	690	U
108-90-7	Chlorobenzene	350	U
100-41-4	Ethylbenzene	690	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

139

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.27

Sample wt/vol: 9.3 (g/ml) G Lab File ID: VC000855.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 21.78 Date Analyzed: 9/21/99

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	690	U
100-42-5	Styrene	690	U
75-25-2	Bromoform	690	U
79-34-5	1,1,2,2-Tetrachloroethane	690	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

139

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.27

Sample wt/vol: 9.3 (g/ml) G Lab File ID: VC000855.D

Level: (low/med) MED Date Received: 9/15/99

% Moisture: not dec. 21.78 Date Analyzed: 9/21/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

140

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.03

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VC001020.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 14.26 Date Analyzed: 9/29/99

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	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	1500	
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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

140

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.03

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VC001020.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 14.26 Date Analyzed: 9/29/99

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. 140

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.03

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VC001020.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 14.26 Date Analyzed: 9/29/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

141

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.05

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC001021.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 16.41 Date Analyzed: 9/29/99

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	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	810	
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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

141

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.05

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC001021.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 16.41 Date Analyzed: 9/29/99

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. 141

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.05

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC001021.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 16.41 Date Analyzed: 9/29/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

142

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC001022.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 15.72 Date Analyzed: 9/29/99

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	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	
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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

142

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC001022.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 15.72 Date Analyzed: 9/29/99

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. 142

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC001022.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 15.72 Date Analyzed: 9/29/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

143

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.09

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC001023.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 16.17 Date Analyzed: 9/29/99

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	910	U
108203	Di-isopropyl ether	610	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	910	U
74-83-9	Bromomethane	610	U
75-00-3	Chloroethane	910	U
75-69-4	Trichlorofluoromethane	610	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	610	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	500	J
156-60-5	trans-1,2-Dichloroethene	610	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	610	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	610	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	610	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	610	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	610	U
79-00-5	1,1,2-Trichloroethane	610	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	610	U
126-48-1	Dibromochloromethane	610	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	610	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

143

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.09

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC001023.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 16.17 Date Analyzed: 9/29/99

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	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.

143

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.09

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC001023.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 16.17 Date Analyzed: 9/29/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

144

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.11

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VC001024.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 12.31 Date Analyzed: 9/29/99

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	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	410	J
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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

144

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.11

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VC001024.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 12.31 Date Analyzed: 9/29/99

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. 144

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.11

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VC001024.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 12.31 Date Analyzed: 9/29/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

145

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.13

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC001025.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 16.11 Date Analyzed: 9/29/99

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

145

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.13

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC001025.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 16.11 Date Analyzed: 9/29/99

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	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. 145

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.13

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC001025.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 16.11 Date Analyzed: 9/29/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

146

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.15

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VC001026.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 15.16 Date Analyzed: 9/29/99

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	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	890	U
108203	Di-isopropyl ether	600	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	890	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	890	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	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	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

146

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.15

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VC001026.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 15.16 Date Analyzed: 9/29/99

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	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. 146

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.15

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VC001026.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 15.16 Date Analyzed: 9/29/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

147

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.17

Sample wt/vol: 9.5 (g/ml) G Lab File ID: VC001027.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 10.45 Date Analyzed: 9/29/99

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	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	U
1634044	Methyl-tert-Butyl ether	880	U
108203	Di-isopropyl ether	580	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	880	U
74-83-9	Bromomethane	580	U
75-00-3	Chloroethane	880	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	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	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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

147

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.17

Sample wt/vol: 9.5 (g/ml) G Lab File ID: VC001027.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 10.45 Date Analyzed: 9/29/99

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	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. 147

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.17

Sample wt/vol: 9.5 (g/ml) G Lab File ID: VC001027.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 10.45 Date Analyzed: 9/29/99

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 NAME	RT	EST. CONC.	Q

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

148

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.19

Sample wt/vol: 9.3 (g/ml) G Lab File ID: VC001028.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 17.84 Date Analyzed: 9/29/99

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	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4300	U
1634044	Methyl-tert-Butyl ether	980	U
108203	Di-isopropyl ether	660	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	330	U
75-01-4	Vinyl Chloride	980	U
74-83-9	Bromomethane	660	U
75-00-3	Chloroethane	980	U
75-69-4	Trichlorofluoromethane	660	U
75-35-4	1,1-Dichloroethene	330	U
67-64-1	Acetone	660	U
75-15-0	Carbon Disulfide	330	U
75-09-2	Methylene Chloride	340	J
156-60-5	trans-1,2-Dichloroethene	660	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	660	U
71-43-2	Benzene	330	U
107-06-2	1,2-Dichloroethane	660	U
79-01-6	Trichloroethene	330	U
78-87-5	1,2-Dichloropropane	330	U
75-27-4	Bromodichloromethane	330	U
110-75-8	2-Chloroethyl vinyl ether	660	U
10061-01-5	cis-1,3-Dichloropropene	330	U
108-10-1	4-Methyl-2-Pentanone	660	U
108-88-3	Toluene	330	U
10061-02-6	trans-1,3-Dichloropropene	660	U
79-00-5	1,1,2-Trichloroethane	660	U
127-18-4	Tetrachloroethene	330	U
591-78-6	2-Hexanone	660	U
126-48-1	Dibromochloromethane	660	U
108-90-7	Chlorobenzene	330	U
100-41-4	Ethylbenzene	660	U

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

148

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.19

Sample wt/vol: 9.3 (g/ml) G Lab File ID: VC001028.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 17.84 Date Analyzed: 9/29/99

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	980	U
1330-20-7	o-Xylene	660	U
100-42-5	Styrene	660	U
75-25-2	Bromoform	660	U
79-34-5	1,1,2,2-Tetrachloroethane	660	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

148

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.19

Sample wt/vol: 9.3 (g/ml) G Lab File ID: VC001028.D

Level: (low/med) MED Date Received: 9/20/99

% Moisture: not dec. 17.84 Date Analyzed: 9/29/99

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 NAME	RT	EST. CONC.	Q

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732) 532-6224 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461, NYSDOH #11699

ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: M-12 LANDFILL

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SEMI-VOLATILE ORGANICS

METHOD BLANKS

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 44

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 44

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1332.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/24/98

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	150	U
62-75-9	N-nitroso-dimethylamine	100	U
62-53-3	Aniline	110	U
108-95-2	Phenol	170	U
111-44-4	bis(2-Chloroethyl)ether	100	U
95-57-8	2-Chlorophenol	96	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	150	U
100-51-6	Benzyl alcohol	130	U
95-50-1	1,2-Dichlorobenzene	120	U
	2-Methylphenol	100	U
108-60-1	bis(2-chloroisopropyl)ether	130	U
	4-Methylphenol	130	U
621-64-7	n-Nitroso-di-n-propylamine	120	U
67-72-1	Hexachloroethane	100	U
98-95-3	Nitrobenzene	130	U
78-59-1	Isophorone	130	U
88-75-5	2-Nitrophenol	84	U
105-67-9	2,4-Dimethylphenol	150	U
111-91-1	bis(2-Chloroethoxy)methane	60	U
120-83-2	2,4-Dichlorophenol	79	U
65-85-0	Benzoic Acid	500	U
120-82-1	1,2,4-Trichlorobenzene	130	U
91-20-3	Naphthalene	120	U
106-47-8	4-Chloroaniline	150	U
87-68-3	Hexachlorobutadiene	120	U
59-50-7	4-Chloro-3-methylphenol	98	U
91-57-6	2-Methylnaphthalene	140	U
77-47-4	Hexachlorocyclopentadiene	28	U
88-06-2	2,4,6-Trichlorophenol	94	U
	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	88	U
88-74-4	2-Nitroaniline	83	U
131-11-3	Dimethylphthalate	76	U
208-96-8	Acenaphthylene	96	U
606-20-2	2,6-Dinitrotoluene	110	U
99-09-2	3-Nitroaniline	130	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 44

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 44

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1332.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/24/98

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	88	U
51-28-5	2,4-Dinitrophenol	500	U
132-64-9	Dibenzofuran	93	U
100-02-7	4-Nitrophenol	230	U
121-14-2	2,4-Dinitrotoluene	93	U
84-66-2	Diethylphthalate	100	U
86-73-7	Fluorene	96	U
7005-72-3	4-Chlorophenyl-phenylether	94	U
100-01-6	4-Nitroaniline	140	U
534-52-1	4,6-Dinitro-2-methylphenol	500	U
86-30-6	n-Nitrosodiphenylamine	92	U
103-33-3	Azobenzene	96	U
101-55-3	4-Bromophenyl-phenylether	86	U
118-74-1	Hexachlorobenzene	130	U
87-86-5	Pentachlorophenol	150	U
85-01-8	Phenanthrene	96	U
120-12-7	Anthracene	96	U
84-74-2	Di-n-butylphthalate	1500	
206-44-0	Fluoranthene	97	U
92-87-5	Benzidine	450	U
129-00-0	Pyrene	110	U
85-68-7	Butylbenzylphthalate	130	U
56-55-3	Benzo[a]anthracene	98	U
91-94-1	3,3'-Dichlorobenzidine	170	U
218-01-9	Chrysene	130	U
117-81-7	bis(2-Ethylhexyl)phthalate	100	J
117-84-0	Di-n-octylphthalate	140	U
205-99-2	Benzo[b]fluoranthene	120	U
207-08-9	Benzo[k]fluoranthene	91	U
50-32-8	Benzo[a]pyrene	94	U
193-39-5	Indeno[1,2,3-cd]pyrene	100	U
53-70-3	Dibenz[a,h]anthracene	120	U
191-24-2	Benzo[g,h,i]perylene	120	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK 44

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 44

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1332.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 03/24/98

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.91	470	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 45

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 45

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1399.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	150	U
62-75-9	N-nitroso-dimethylamine	100	U
62-53-3	Aniline	110	U
108-95-2	Phenol	170	U
111-44-4	bis(2-Chloroethyl)ether	100	U
95-57-8	2-Chlorophenol	96	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	150	U
100-51-6	Benzyl alcohol	130	U
95-50-1	1,2-Dichlorobenzene	120	U
	2-Methylphenol	100	U
108-60-1	bis(2-chloroisopropyl)ether	130	U
	4-Methylphenol	130	U
621-64-7	n-Nitroso-di-n-propylamine	120	U
67-72-1	Hexachloroethane	100	U
98-95-3	Nitrobenzene	130	U
78-59-1	Isophorone	130	U
88-75-5	2-Nitrophenol	84	U
105-67-9	2,4-Dimethylphenol	150	U
111-91-1	bis(2-Chloroethoxy)methane	60	U
120-83-2	2,4-Dichlorophenol	79	U
65-85-0	Benzoic Acid	500	U
120-82-1	1,2,4-Trichlorobenzene	130	U
91-20-3	Naphthalene	120	U
106-47-8	4-Chloroaniline	150	U
87-68-3	Hexachlorobutadiene	120	U
59-50-7	4-Chloro-3-methylphenol	98	U
91-57-6	2-Methylnaphthalene	140	U
77-47-4	Hexachlorocyclopentadiene	28	U
88-06-2	2,4,6-Trichlorophenol	94	U
	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	88	U
88-74-4	2-Nitroaniline	83	U
131-11-3	Dimethylphthalate	76	U
208-96-8	Acenaphthylene	96	U
606-20-2	2,6-Dinitrotoluene	110	U
99-09-2	3-Nitroaniline	130	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 45

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 45

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1399.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	88	U
51-28-5	2,4-Dinitrophenol	500	U
132-64-9	Dibenzofuran	93	U
100-02-7	4-Nitrophenol	230	U
121-14-2	2,4-Dinitrotoluene	93	U
84-66-2	Diethylphthalate	100	U
86-73-7	Fluorene	96	U
7005-72-3	4-Chlorophenyl-phenylether	94	U
100-01-6	4-Nitroaniline	140	U
534-52-1	4,6-Dinitro-2-methylphenol	500	U
86-30-6	n-Nitrosodiphenylamine	92	U
103-33-3	Azobenzene	96	U
101-55-3	4-Bromophenyl-phenylether	86	U
118-74-1	Hexachlorobenzene	130	U
87-86-5	Pentachlorophenol	150	U
85-01-8	Phenanthrene	96	U
120-12-7	Anthracene	96	U
84-74-2	Di-n-butylphthalate	320	J
206-44-0	Fluoranthene	97	U
92-87-5	Benzidine	450	U
129-00-0	Pyrene	110	U
85-68-7	Butylbenzylphthalate	130	U
56-55-3	Benzo[a]anthracene	98	U
91-94-1	3,3'-Dichlorobenzidine	170	U
218-01-9	Chrysene	130	U
117-81-7	bis(2-Ethylhexyl)phthalate	210	
117-84-0	Di-n-octylphthalate	140	U
205-99-2	Benzo[b]fluoranthene	120	U
207-08-9	Benzo[k]fluoranthene	91	U
50-32-8	Benzo[a]pyrene	94	U
193-39-5	Indeno[1,2,3-cd]pyrene	100	U
53-70-3	Dibenz[a,h]anthracene	120	U
191-24-2	Benzo[g,h,i]perylene	120	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK 45

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 45

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1399.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.84	560	J
2. 000084-74-2	Dibutyl phthalate	19.19	620	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Sblk291

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk291

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03666.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 0 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/1/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Sblk291

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk291

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03666.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 0 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/1/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	920	J
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	160	J
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Sblk291

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk291

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03666.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 0 decanted: (Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/1/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 11 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 018733-57-8	Silane, trichloroeicosyl-	24.77	1100	JN
2.	unknown	25.38	410	J
3. 000629-96-9	1-Eicosanol	27.21	3000	JN
4. 040710-42-7	1-Hentetracontanol	28.81	1500	JN
5.	unknown	28.98	490	J
6.	unknown	4.16	500	J
7.	unknown	4.28	700	J
8.	unknown	5.09	1400	J
9.	unknown	18.86	1200	J
10. 000057-10-3	Hexadecanoic acid	19.60	1300	JN
11. 001454-84-8	1-Nonadecanol	23.51	8000	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Sblk292

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk292

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03685.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 0 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Sblk292

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk292

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03685.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 0 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	220	J
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	170	J
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Sblk292

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk292

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03685.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 0 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 8 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.10	1600	J
2.	unknown	18.86	430	J
3. 000057-10-3	Hexadecanoic acid	19.60	1100	JN
4. 001454-84-8	1-Nonadecanol	23.51	5700	JN
5. 000629-96-9	1-Eicosanol	24.77	750	JN
6. 001599-67-3	1-Docosene	27.21	2200	JN
7.	unknown	27.96	430	J
8. 006624-79-9	1-Dotriacontanol	28.81	950	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Sblk293

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk293

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03714.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 0 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Sblk293

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk293

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03714.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 0 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	840	J
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	160	J
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Sblk293

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk293

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03714.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 0 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 7 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.10	1400	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	930	JN
3. 000057-10-3	Hexadecanoic acid	19.59	1000	JN
4. 001454-84-8	1-Nonadecanol	23.51	5400	JN
5. 006624-79-9	1-Dotriacontanol	24.77	600	JN
6. 000629-96-9	1-Eicosanol	27.21	1600	JN
7. 000112-88-9	1-Octadecene	28.82	740	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Sblk296

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk296

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03751.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 0 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Sblk296

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk296

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03751.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 0 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	940	J
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	170	J
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Sblk296

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk296

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03751.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 0 decanted: (Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 7 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.09	1300	J
2.		unknown	18.84	1300	J
3.	000057-10-3	Hexadecanoic acid	19.57	840	JN
4.	074685-30-6	5-Eicosene, (E)-	23.48	5800	JN
5.	000629-96-9	1-Eicosanol	24.75	620	JN
6.	006624-79-9	1-Dotriacontanol	27.18	1600	JN
7.	006971-40-0	17-Pentatriacontene	28.77	720	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Sblk302

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk302

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03807.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 0 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Sblk302

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk302

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03807.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 0 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	880	J
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	160	J
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Sblk302

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk302

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03807.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 0 decanted: (Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	1400	JN
2. 001454-84-8	1-Nonadecanol	23.49	3700	JN
3. 000629-96-9	1-Eicosanol	27.17	710	JN
4.	unknown	5.07	1000	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Sblk303

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk303

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03841.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 0 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Sblk303

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: Sblk303

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03841.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 0 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	1100	
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	230	J
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Sblk303

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk303

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03841.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 0 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 6 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.83	1500	JN
2. 000057-10-3	Hexadecanoic acid	19.58	1400	JN
3. 001454-84-8	1-Nonadecanol	23.48	6100	JN
4. 000661-19-8	1-Docosanol	24.75	620	JN
5. 000629-96-9	1-Eicosanol	27.18	1200	JN
6. 000661-19-8	1-Docosanol	28.77	450	JN

FIELD DUPLICATES

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

FIELD DUP 3/23/98

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.24

Sample wt/vol: 19.98 (g/ml) G Lab File ID: BN1397.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 10.87 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	170	U
62-75-9	N-nitroso-dimethylamine	110	U
62-53-3	Aniline	120	U
108-95-2	Phenol	190	U
111-44-4	bis(2-Chloroethyl)ether	120	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	120	U
106-46-7	1,4-Dichlorobenzene	160	U
100-51-6	Benzyl alcohol	150	U
95-50-1	1,2-Dichlorobenzene	130	U
	2-Methylphenol	120	U
108-60-1	bis(2-chloroisopropyl)ether	140	U
	4-Methylphenol	150	U
621-64-7	n-Nitroso-di-n-propylamine	140	U
67-72-1	Hexachloroethane	120	U
98-95-3	Nitrobenzene	150	U
78-59-1	Isophorone	140	U
88-75-5	2-Nitrophenol	94	U
105-67-9	2,4-Dimethylphenol	160	U
111-91-1	bis(2-Chloroethoxy)methane	67	U
120-83-2	2,4-Dichlorophenol	89	U
65-85-0	Benzoic Acid	560	U
120-82-1	1,2,4-Trichlorobenzene	150	U
91-20-3	Naphthalene	140	U
106-47-8	4-Chloroaniline	160	U
87-68-3	Hexachlorobutadiene	140	U
59-50-7	4-Chloro-3-methylphenol	110	U
91-57-6	2-Methylnaphthalene	150	U
77-47-4	Hexachlorocyclopentadiene	32	U
88-06-2	2,4,6-Trichlorophenol	110	U
	2,4,5-Trichlorophenol	120	U
91-58-7	2-Chloronaphthalene	99	U
88-74-4	2-Nitroaniline	93	U
131-11-3	Dimethylphthalate	85	U
208-96-8	Acenaphthylene	110	U
606-20-2	2,6-Dinitrotoluene	130	U
99-09-2	3-Nitroaniline	140	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

FIELD DUP 3/23/98

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.24

Sample wt/vol: 19.98 (g/ml) G Lab File ID: BN1397.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 10.87 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	98	U
51-28-5	2,4-Dinitrophenol	560	U
132-64-9	Dibenzofuran	100	U
100-02-7	4-Nitrophenol	260	U
121-14-2	2,4-Dinitrotoluene	100	U
84-66-2	Diethylphthalate	84	J
86-73-7	Fluorene	110	U
7005-72-3	4-Chlorophenyl-phenylether	110	U
100-01-6	4-Nitroaniline	160	U
534-52-1	4,6-Dinitro-2-methylphenol	560	U
86-30-6	n-Nitrosodiphenylamine	100	U
103-33-3	Azobenzene	110	U
101-55-3	4-Bromophenyl-phenylether	97	U
118-74-1	Hexachlorobenzene	150	U
87-86-5	Pentachlorophenol	170	U
85-01-8	Phenanthrene	110	U
120-12-7	Anthracene	110	U
84-74-2	Di-n-butylphthalate	1200	B
206-44-0	Fluoranthene	110	U
92-87-5	Benzidine	510	U
129-00-0	Pyrene	130	U
85-68-7	Butylbenzylphthalate	140	U
56-55-3	Benzo[a]anthracene	110	U
91-94-1	3,3'-Dichlorobenzidine	190	U
218-01-9	Chrysene	140	U
117-81-7	bis(2-Ethylhexyl)phthalate	160	B
117-84-0	Di-n-octylphthalate	160	U
205-99-2	Benzo[b]fluoranthene	140	U
207-08-9	Benzo[k]fluoranthene	100	U
50-32-8	Benzo[a]pyrene	110	U
193-39-5	Indeno[1,2,3-cd]pyrene	110	U
53-70-3	Dibenz[a,h]anthracene	130	U
191-24-2	Benzo[g,h,i]perylene	130	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD DUP 3123/98

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.24

Sample wt/vol: 19.98 (g/ml) G Lab File ID: BN1397.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 10.87 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	4.86	730	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.19	2100	JN
3. 006971-40-0	17-Pentatriacontene	26.18	1400	JN
4. 000544-85-4	Dotriacontane	27.58	1300	JN
5. 000112-95-8	Eicosane	28.89	670	JN
6.	unknown	28.93	600	J
7.	unknown	29.62	520	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

FIELD DUP 3/24/98

Lab Name: FMETL NJDEP: 12461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.24

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BN1415.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 16.73 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	350	U
62-75-9	N-nitroso-dimethylamine	230	U
62-53-3	Aniline	250	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	240	U
95-57-8	2-Chlorophenol	220	U
541-73-1	1,3-Dichlorobenzene	240	U
106-46-7	1,4-Dichlorobenzene	340	U
100-51-6	Benzyl alcohol	310	U
95-50-1	1,2-Dichlorobenzene	270	U
	2-Methylphenol	240	U
108-60-1	bis(2-chloroisopropyl)ether	290	U
	4-Methylphenol	310	U
621-64-7	n-Nitroso-di-n-propylamine	280	U
67-72-1	Hexachloroethane	240	U
98-95-3	Nitrobenzene	310	U
78-59-1	Isophorone	300	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	140	U
120-83-2	2,4-Dichlorophenol	180	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	300	U
91-20-3	Naphthalene	280	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	290	U
59-50-7	4-Chloro-3-methylphenol	230	U
91-57-6	2-Methylnaphthalene	320	U
77-47-4	Hexachlorocyclopentadiene	66	U
88-06-2	2,4,6-Trichlorophenol	220	U
	2,4,5-Trichlorophenol	240	U
91-58-7	2-Chloronaphthalene	210	U
88-74-4	2-Nitroaniline	190	U
131-11-3	Dimethylphthalate	180	U
208-96-8	Acenaphthylene	220	U
606-20-2	2,6-Dinitrotoluene	260	U
99-09-2	3-Nitroaniline	290	U

1C

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD DUP 3/24/98

Lab Name: FMETL NJDEP: 12461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.24

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BN1415.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 16.73 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	220	U
100-02-7	4-Nitrophenol	530	U
121-14-2	2,4-Dinitrotoluene	220	U
84-66-2	Diethylphthalate	240	U
86-73-7	Fluorene	220	U
7005-72-3	4-Chlorophenyl-phenylether	220	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	210	U
103-33-3	Azobenzene	220	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	310	U
87-86-5	Pentachlorophenol	340	U
85-01-8	Phenanthrene	720	
120-12-7	Anthracene	180	J
84-74-2	Di-n-butylphthalate	650	JB
206-44-0	Fluoranthene	830	
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	780	
85-68-7	Butylbenzylphthalate	290	U
56-55-3	Benzo[a]anthracene	350	
91-94-1	3,3'-Dichlorobenzidine	400	U
218-01-9	Chrysene	660	
117-81-7	bis(2-Ethylhexyl)phthalate	360	B
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo[b]fluoranthene	250	J
207-08-9	Benzo[k]fluoranthene	560	
50-32-8	Benzo[a]pyrene	400	
193-39-5	Indeno[1,2,3-cd]pyrene	210	J
53-70-3	Dibenz[a,h]anthracene	280	U
191-24-2	Benzo[g,h,i]perylene	220	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD DUP 3/24/98

Lab Name: FMETL NJDEP: 12461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.24

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BN1415.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 16.73 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	4.86	1500	J
2.	unknown	19.19	1100	J
3.	unknown	27.19	2500	J
4. 056554-90-6	13-Octadecenal	28.54	1400	JN
5. 007098-22-8	Tetratetracontane	28.89	2300	JN
6. 000544-76-3	Hexadecane	30.30	1100	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dupe 8/27/99

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.24

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BN03701.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 13.59 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dupe 8/23/99

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.24

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BN03701.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 13.59 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1400	B
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	230	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Field Dupe 8/27/99

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.24

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BN03701.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 13.59 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 11 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	4.17	470	J
2.		unknown	4.31	530	J
3.		unknown	5.10	1800	J
4.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	2400	JN
5.	000057-10-3	Hexadecanoic acid	19.58	650	JN
6.	000629-76-5	1-Pentadecanol	20.58	480	JN
7.	000629-78-7	Heptadecane	22.84	470	JN
8.	001454-84-8	1-Nonadecanol	23.49	5900	JN
9.	001653-33-4	4-Tetradecanol	24.76	880	JN
10.	001599-67-3	1-Docosene	27.20	1900	JN
11.	000629-96-9	1-Eicosanol	28.79	820	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dupe 8/31/99

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.30

Sample wt/vol: 10.25 (g/ml) G Lab File ID: BN03747.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 14.06 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dupe 8/31/99

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.30

Sample wt/vol: 10.25 (g/ml) G Lab File ID: BN03747.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 14.06 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1900	B
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	240	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Field Dupe 8/31/99

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.30

Sample wt/vol: 10.25 (g/ml) G Lab File ID: BN03747.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 14.06 decanted: (Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 11 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000513-85-9	2,3-Butanediol	4.17	520	JN
2.	unknown	4.31	640	J
3.	unknown	5.09	1500	J
4.	unknown	17.07	2400	J
5.	unknown	18.85	2700	J
6. 000057-10-3	Hexadecanoic acid	19.58	1000	JN
7. 010544-50-0	Sulfur, mol. (S8)	20.56	3900	JN
8. 001454-84-8	1-Nonadecanol	23.49	7000	JN
9. 000629-96-9	1-Eicosanol	24.75	990	JN
10. 001599-67-3	1-Docosene	27.19	2100	JN
11.	unknown	28.77	1200	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dupe 9/7/99

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.24

Sample wt/vol: 10.76 (g/ml) G Lab File ID: BN03762.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 10.59 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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	100	J
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dupe 9/7/99

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.24

Sample wt/vol: 10.76 (g/ml) G Lab File ID: BN03762.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 10.59 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1000	U
120-12-7	Anthracene	190	J
84-74-2	Di-n-butylphthalate	1400	B
206-44-0	Fluoranthene	690	J
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1300	
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	910	J
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	2100	
117-81-7	bis(2-Ethylhexyl)phthalate	380	JB
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	2300	
207-08-9	Benzo[k]fluoranthene	1600	
50-32-8	Benzo[a]pyrene	930	J
193-39-5	Indeno[1,2,3-cd]pyrene	480	J
53-70-3	Dibenz[a,h]anthracene	140	J
191-24-2	Benzo[g,h,i]perylene	440	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Field Dupe 9/7/99

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.24

Sample wt/vol: 10.76 (g/ml) G Lab File ID: BN03762.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 10.59 decanted: (Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 25 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000513-85-9	2,3-Butanediol	4.16	630	JN
2.		unknown	4.30	990	J
3.		unknown	5.08	1700	J
4.		unknown	18.85	2500	J
5.	000057-10-3	Hexadecanoic acid	19.60	2000	JN
6.	010544-50-0	Sulfur, mol. (S8)	20.55	1900	JN
7.	000109-29-5	Oxacycloheptadecan-2-one	21.05	640	JN
8.	000057-11-4	Octadecanoic acid	21.18	520	JN
9.	056554-89-3	14-Octadecenal	23.07	590	JN
10.	000112-85-6	Docosanoic acid	23.96	790	JN
11.	025276-70-4	1-Pentadecanethiol	24.13	640	JN
12.		unknown	24.61	1100	J
13.	006624-79-9	1-Dotriacontanol	24.76	2900	JN
14.	000544-76-3	Hexadecane	25.92	1400	JN
15.		unknown	25.94	1400	J
16.	000192-97-2	Benzo[e]pyrene	26.05	1600	JN
17.	000638-66-4	Octadecanal	26.78	550	JN
18.	000630-07-9	Pentatriacontane	27.12	1200	JN
19.	000629-96-9	1-Eicosanol	27.19	2500	JN
20.		unknown	27.31	610	J
21.		unknown	27.94	590	J
22.		unknown	28.50	550	J
23.		unknown	28.79	2000	J
24.	000083-47-6	.gamma.-Sitosterol	29.35	2000	JN
25.		unknown	29.64	970	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dupe 9/15/99

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.28

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN03882.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 12.19 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dupe 9/15/99

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.28

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN03882.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 12.19 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	440	J
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	160	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	2100	B
206-44-0	Fluoranthene	290	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	340	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	180	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)phthalate	240	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	160	J
207-08-9	Benzo[k]fluoranthene	180	J
50-32-8	Benzo[a]pyrene	190	J
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	120	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Field Dupe 9/15/99

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.28

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN03882.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 12.19 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 13 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	2500	JN
2. 007704-34-9	Sulfur	20.53	550	JN
3. 000112-92-5	1-Octadecanol	23.48	6700	JN
4.	unknown	24.13	470	J
5.	unknown	24.74	1200	J
6. 000630-06-8	Hexatriacontane	25.91	820	JN
7. 000297-03-0	Cyclotetracosane	25.94	1700	JN
8. 056554-87-1	16-Octadecenal	26.77	840	JN
9. 000629-62-9	Pentadecane	27.11	1600	JN
10. 000629-96-9	1-Eicosanol	27.18	1900	JN
11. 000124-25-4	Tetradecanal	28.24	860	JN
12. 000646-31-1	Tetracosane	28.64	780	JN
13. 000661-19-8	1-Docosanol	28.77	900	JN

SAMPLES

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-1

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.01

Sample wt/vol: 20.53 (g/ml) G Lab File ID: BN1334.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 11.02 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	160	U
62-75-9	N-nitroso-dimethylamine	110	U
62-53-3	Aniline	120	U
108-95-2	Phenol	180	U
111-44-4	bis(2-Chloroethyl)ether	110	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	110	U
106-46-7	1,4-Dichlorobenzene	160	U
100-51-6	Benzyl alcohol	150	U
95-50-1	1,2-Dichlorobenzene	130	U
	2-Methylphenol	110	U
108-60-1	bis(2-chloroisopropyl)ether	140	U
	4-Methylphenol	150	U
621-64-7	n-Nitroso-di-n-propylamine	130	U
67-72-1	Hexachloroethane	110	U
98-95-3	Nitrobenzene	150	U
78-59-1	Isophorone	140	U
88-75-5	2-Nitrophenol	92	U
105-67-9	2,4-Dimethylphenol	160	U
111-91-1	bis(2-Chloroethoxy)methane	65	U
120-83-2	2,4-Dichlorophenol	86	U
65-85-0	Benzoic Acid	550	U
120-82-1	1,2,4-Trichlorobenzene	140	U
91-20-3	Naphthalene	130	U
106-47-8	4-Chloroaniline	160	U
87-68-3	Hexachlorobutadiene	140	U
59-50-7	4-Chloro-3-methylphenol	110	U
91-57-6	2-Methylnaphthalene	150	U
77-47-4	Hexachlorocyclopentadiene	31	U
88-06-2	2,4,6-Trichlorophenol	100	U
	2,4,5-Trichlorophenol	110	U
91-58-7	2-Chloronaphthalene	97	U
88-74-4	2-Nitroaniline	91	U
131-11-3	Dimethylphthalate	83	U
208-96-8	Acenaphthylene	110	U
606-20-2	2,6-Dinitrotoluene	120	U
99-09-2	3-Nitroaniline	140	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-1

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.01

Sample wt/vol: 20.53 (g/ml) G Lab File ID: BN1334.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 11.02 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	96	U
51-28-5	2,4-Dinitrophenol	550	U
132-64-9	Dibenzofuran	100	U
100-02-7	4-Nitrophenol	250	U
121-14-2	2,4-Dinitrotoluene	100	U
84-66-2	Diethylphthalate	110	U
86-73-7	Fluorene	100	U
7005-72-3	4-Chlorophenyl-phenylether	100	U
100-01-6	4-Nitroaniline	150	U
534-52-1	4,6-Dinitro-2-methylphenol	550	U
86-30-6	n-Nitrosodiphenylamine	100	U
103-33-3	Azobenzene	100	U
101-55-3	4-Bromophenyl-phenylether	95	U
118-74-1	Hexachlorobenzene	140	U
87-86-5	Pentachlorophenol	160	U
85-01-8	Phenanthrene	200	
120-12-7	Anthracene	110	U
84-74-2	Di-n-butylphthalate	4300	B
206-44-0	Fluoranthene	420	
92-87-5	Benzidine	500	U
129-00-0	Pyrene	300	
85-68-7	Butylbenzylphthalate	140	U
56-55-3	Benzo[a]anthracene	190	
91-94-1	3,3'-Dichlorobenzidine	190	U
218-01-9	Chrysene	280	
117-81-7	bis(2-Ethylhexyl)phthalate	170	B
117-84-0	Di-n-octylphthalate	150	U
205-99-2	Benzo[b]fluoranthene	100	J
207-08-9	Benzo[k]fluoranthene	200	
50-32-8	Benzo[a]pyrene	210	
193-39-5	Indeno[1,2,3-cd]pyrene	120	
53-70-3	Dibenz[a,h]anthracene	130	U
191-24-2	Benzo[g,h,i]perylene	95	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-1

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.01

Sample wt/vol: 20.53 (g/ml) G Lab File ID: BN1334.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 11.02 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.90	480	JN
2. 056554-90-6	13-Octadecenal	27.23	900	JN
3.	unknown	27.69	980	J
4. 000638-66-4	Octadecanal	28.59	770	JN
5. 000630-06-8	Hexatriacontane	28.94	450	JN
6. 001454-84-8	1-Nonadecanol	29.02	590	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-2

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.03

Sample wt/vol: 19.73 (g/ml) G Lab File ID: BN1335.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 23.67 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	200	U
62-75-9	N-nitroso-dimethylamine	130	U
62-53-3	Aniline	140	U
108-95-2	Phenol	220	U
111-44-4	bis(2-Chloroethyl)ether	140	U
95-57-8	2-Chlorophenol	130	U
541-73-1	1,3-Dichlorobenzene	140	U
106-46-7	1,4-Dichlorobenzene	190	U
100-51-6	Benzyl alcohol	180	U
95-50-1	1,2-Dichlorobenzene	160	U
	2-Methylphenol	140	U
108-60-1	bis(2-chloroisopropyl)ether	170	U
	4-Methylphenol	180	U
621-64-7	n-Nitroso-di-n-propylamine	160	U
67-72-1	Hexachloroethane	140	U
98-95-3	Nitrobenzene	180	U
78-59-1	Isophorone	170	U
88-75-5	2-Nitrophenol	110	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	bis(2-Chloroethoxy)methane	79	U
120-83-2	2,4-Dichlorophenol	100	U
65-85-0	Benzoic Acid	660	U
120-82-1	1,2,4-Trichlorobenzene	170	U
91-20-3	Naphthalene	160	U
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	170	U
59-50-7	4-Chloro-3-methylphenol	130	U
91-57-6	2-Methylnaphthalene	83	J
77-47-4	Hexachlorocyclopentadiene	38	U
88-06-2	2,4,6-Trichlorophenol	120	U
	2,4,5-Trichlorophenol	140	U
91-58-7	2-Chloronaphthalene	120	U
88-74-4	2-Nitroaniline	110	U
131-11-3	Dimethylphthalate	100	U
208-96-8	Acenaphthylene	87	J
606-20-2	2,6-Dinitrotoluene	150	U
99-09-2	3-Nitroaniline	170	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-2

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.03

Sample wt/vol: 19.73 (g/ml) G Lab File ID: BN1335.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 23.67 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	120	U
51-28-5	2,4-Dinitrophenol	660	U
132-64-9	Dibenzofuran	120	U
100-02-7	4-Nitrophenol	300	U
121-14-2	2,4-Dinitrotoluene	120	U
84-66-2	Diethylphthalate	130	U
86-73-7	Fluorene	130	U
7005-72-3	4-Chlorophenyl-phenylether	120	U
100-01-6	4-Nitroaniline	190	U
534-52-1	4,6-Dinitro-2-methylphenol	660	U
86-30-6	n-Nitrosodiphenylamine	120	U
103-33-3	Azobenzene	130	U
101-55-3	4-Bromophenyl-phenylether	110	U
118-74-1	Hexachlorobenzene	180	U
87-86-5	Pentachlorophenol	200	U
85-01-8	Phenanthrene	460	
120-12-7	Anthracene	130	U
84-74-2	Di-n-butylphthalate	6500	B
206-44-0	Fluoranthene	460	
92-87-5	Benzidine	600	U
129-00-0	Pyrene	500	
85-68-7	Butylbenzylphthalate	170	U
56-55-3	Benzo[a]anthracene	270	
91-94-1	3,3'-Dichlorobenzidine	230	U
218-01-9	Chrysene	500	
117-81-7	bis(2-Ethylhexyl)phthalate	200	B
117-84-0	Di-n-octylphthalate	190	U
205-99-2	Benzo[b]fluoranthene	170	
207-08-9	Benzo[k]fluoranthene	280	
50-32-8	Benzo[a]pyrene	290	
193-39-5	Indeno[1,2,3-cd]pyrene	190	
53-70-3	Dibenz[a,h]anthracene	160	U
191-24-2	Benzo[g,h,i]perylene	190	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-2

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.03

Sample wt/vol: 19.73 (g/ml) G Lab File ID: BN1335.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 23.67 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.90	820	JN
2.	unknown	29.69	620	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-3

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.05

Sample wt/vol: 20.18 (g/ml) G Lab File ID: BN1336.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 21 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	190	U
62-75-9	N-nitroso-dimethylamine	130	U
62-53-3	Aniline	140	U
108-95-2	Phenol	210	U
111-44-4	bis(2-Chloroethyl)ether	130	U
95-57-8	2-Chlorophenol	120	U
541-73-1	1,3-Dichlorobenzene	130	U
106-46-7	1,4-Dichlorobenzene	180	U
100-51-6	Benzyl alcohol	170	U
95-50-1	1,2-Dichlorobenzene	150	U
	2-Methylphenol	130	U
108-60-1	bis(2-chloroisopropyl)ether	160	U
	4-Methylphenol	170	U
621-64-7	n-Nitroso-di-n-propylamine	150	U
67-72-1	Hexachloroethane	130	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	160	U
88-75-5	2-Nitrophenol	110	U
105-67-9	2,4-Dimethylphenol	180	U
111-91-1	bis(2-Chloroethoxy)methane	75	U
120-83-2	2,4-Dichlorophenol	99	U
65-85-0	Benzoic Acid	630	U
120-82-1	1,2,4-Trichlorobenzene	160	U
91-20-3	Naphthalene	150	U
106-47-8	4-Chloroaniline	180	U
87-68-3	Hexachlorobutadiene	160	U
59-50-7	4-Chloro-3-methylphenol	120	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	36	U
88-06-2	2,4,6-Trichlorophenol	120	U
	2,4,5-Trichlorophenol	130	U
91-58-7	2-Chloronaphthalene	110	U
88-74-4	2-Nitroaniline	100	U
131-11-3	Dimethylphthalate	95	U
208-96-8	Acenaphthylene	110	J
606-20-2	2,6-Dinitrotoluene	140	U
99-09-2	3-Nitroaniline	160	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-3

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.05

Sample wt/vol: 20.18 (g/ml) G Lab File ID: BN1336.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 21 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	110	U
51-28-5	2,4-Dinitrophenol	630	U
132-64-9	Dibenzofuran	120	U
100-02-7	4-Nitrophenol	290	U
121-14-2	2,4-Dinitrotoluene	120	U
84-66-2	Diethylphthalate	130	U
86-73-7	Fluorene	72	J
7005-72-3	4-Chlorophenyl-phenylether	120	U
100-01-6	4-Nitroaniline	180	U
534-52-1	4,6-Dinitro-2-methylphenol	630	U
86-30-6	n-Nitrosodiphenylamine	110	U
103-33-3	Azobenzene	120	U
101-55-3	4-Bromophenyl-phenylether	110	U
118-74-1	Hexachlorobenzene	170	U
87-86-5	Pentachlorophenol	190	U
85-01-8	Phenanthrene	650	
120-12-7	Anthracene	94	J
84-74-2	Di-n-butylphthalate	2300	B
206-44-0	Fluoranthene	730	
92-87-5	Benzidine	570	U
129-00-0	Pyrene	750	
85-68-7	Butylbenzylphthalate	160	U
56-55-3	Benzo[a]anthracene	390	
91-94-1	3,3'-Dichlorobenzidine	220	U
218-01-9	Chrysene	800	
117-81-7	bis(2-Ethylhexyl)phthalate	88	JB
117-84-0	Di-n-octylphthalate	180	U
205-99-2	Benzo[b]fluoranthene	320	
207-08-9	Benzo[k]fluoranthene	290	
50-32-8	Benzo[a]pyrene	460	
193-39-5	Indeno[1,2,3-cd]pyrene	250	
53-70-3	Dibenz[a,h]anthracene	150	U
191-24-2	Benzo[g,h,i]perylene	250	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-3

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.05

Sample wt/vol: 20.18 (g/ml) G Lab File ID: BN1336.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 21 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	510	J
2.	000638-66-4	Octadecanal	27.24	1700	JN
3.	000544-76-3	Hexadecane	27.64	3400	JN
4.	000638-66-4	Octadecanal	28.60	1800	JN
5.	000544-76-3	Hexadecane	28.95	2400	JN
6.	006971-40-0	17-Pentatriacontene	29.02	1600	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-4

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.07 RD

Sample wt/vol: 20.06 (g/ml) G Lab File ID: BN1349.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 19.9 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	370	U
62-75-9	N-nitroso-dimethylamine	250	U
62-53-3	Aniline	270	U
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	260	U
95-57-8	2-Chlorophenol	240	U
541-73-1	1,3-Dichlorobenzene	260	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl alcohol	330	U
95-50-1	1,2-Dichlorobenzene	290	U
	2-Methylphenol	260	U
108-60-1	bis(2-chloroisopropyl)ether	310	U
	4-Methylphenol	330	U
621-64-7	n-Nitroso-di-n-propylamine	300	U
67-72-1	Hexachloroethane	260	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	320	U
88-75-5	2-Nitrophenol	210	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	150	U
120-83-2	2,4-Dichlorophenol	200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	300	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	310	U
59-50-7	4-Chloro-3-methylphenol	240	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	71	U
88-06-2	2,4,6-Trichlorophenol	230	U
	2,4,5-Trichlorophenol	260	U
91-58-7	2-Chloronaphthalene	220	U
88-74-4	2-Nitroaniline	210	U
131-11-3	Dimethylphthalate	190	U
208-96-8	Acenaphthylene	240	U
606-20-2	2,6-Dinitrotoluene	280	U
99-09-2	3-Nitroaniline	310	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-4

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.07 RD

Sample wt/vol: 20.06 (g/ml) G Lab File ID: BN1349.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 19.9 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	220	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	230	U
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	230	U
84-66-2	Diethylphthalate	250	U
86-73-7	Fluorene	240	U
7005-72-3	4-Chlorophenyl-phenylether	230	U
100-01-6	4-Nitroaniline	350	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	230	U
103-33-3	Azobenzene	240	U
101-55-3	4-Bromophenyl-phenylether	220	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	370	U
85-01-8	Phenanthrene	240	U
120-12-7	Anthracene	240	U
84-74-2	Di-n-butylphthalate	7300	BD
206-44-0	Fluoranthene	240	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	280	U
85-68-7	Butylbenzylphthalate	310	U
56-55-3	Benzo[a]anthracene	240	U
91-94-1	3,3'-Dichlorobenzidine	430	U
218-01-9	Chrysene	310	U
117-81-7	bis(2-Ethylhexyl)phthalate	340	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo[b]fluoranthene	300	U
207-08-9	Benzo[k]fluoranthene	230	U
50-32-8	Benzo[a]pyrene	230	U
193-39-5	Indeno[1,2,3-cd]pyrene	250	U
53-70-3	Dibenz[a,h]anthracene	300	U
191-24-2	Benzo[g,h,i]perylene	300	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-4

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.07 RD

Sample wt/vol: 20.06 (g/ml) G Lab File ID: BN1349.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 19.9 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

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. 002136-70-1	Ethanol, 2-(tetradecyloxy)-	26.23	1200	JND
2. 000646-31-1	Tetracosane	27.62	1300	JND
3. 036653-82-4	1-Hexadecanol	27.66	1000	JND

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-5

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.09

Sample wt/vol: 20.76 (g/ml) G Lab File ID: BN1342.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 18.63 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	180	U
62-75-9	N-nitroso-dimethylamine	120	U
62-53-3	Aniline	130	U
108-95-2	Phenol	200	U
111-44-4	bis(2-Chloroethyl)ether	120	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	120	U
106-46-7	1,4-Dichlorobenzene	170	U
100-51-6	Benzyl alcohol	160	U
95-50-1	1,2-Dichlorobenzene	140	U
	2-Methylphenol	120	U
108-60-1	bis(2-chloroisopropyl)ether	150	U
	4-Methylphenol	160	U
621-64-7	n-Nitroso-di-n-propylamine	140	U
67-72-1	Hexachloroethane	120	U
98-95-3	Nitrobenzene	160	U
78-59-1	Isophorone	150	U
88-75-5	2-Nitrophenol	99	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	bis(2-Chloroethoxy)methane	70	U
120-83-2	2,4-Dichlorophenol	94	U
65-85-0	Benzoic Acid	590	U
120-82-1	1,2,4-Trichlorobenzene	160	U
91-20-3	Naphthalene	140	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	150	U
59-50-7	4-Chloro-3-methylphenol	120	U
91-57-6	2-Methylnaphthalene	160	U
77-47-4	Hexachlorocyclopentadiene	34	U
88-06-2	2,4,6-Trichlorophenol	110	U
	2,4,5-Trichlorophenol	120	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	98	U
131-11-3	Dimethylphthalate	89	U
208-96-8	Acenaphthylene	110	U
606-20-2	2,6-Dinitrotoluene	130	U
99-09-2	3-Nitroaniline	150	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-5

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.09

Sample wt/vol: 20.76 (g/ml) G Lab File ID: BN1342.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 18.63 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	U
51-28-5	2,4-Dinitrophenol	590	U
132-64-9	Dibenzofuran	110	U
100-02-7	4-Nitrophenol	270	U
121-14-2	2,4-Dinitrotoluene	110	U
84-66-2	Diethylphthalate	120	U
86-73-7	Fluorene	110	U
7005-72-3	4-Chlorophenyl-phenylether	110	U
100-01-6	4-Nitroaniline	170	U
534-52-1	4,6-Dinitro-2-methylphenol	590	U
86-30-6	n-Nitrosodiphenylamine	110	U
103-33-3	Azobenzene	110	U
101-55-3	4-Bromophenyl-phenylether	100	U
118-74-1	Hexachlorobenzene	160	U
87-86-5	Pentachlorophenol	170	U
85-01-8	Phenanthrene	140	
120-12-7	Anthracene	110	U
84-74-2	Di-n-butylphthalate	3400	B
206-44-0	Fluoranthene	210	
92-87-5	Benzidine	540	U
129-00-0	Pyrene	170	
85-68-7	Butylbenzylphthalate	150	U
56-55-3	Benzo[a]anthracene	110	J
91-94-1	3,3'-Dichlorobenzidine	200	U
218-01-9	Chrysene	180	
117-81-7	bis(2-Ethylhexyl)phthalate	130	JB
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo[b]fluoranthene	66	J
207-08-9	Benzo[k]fluoranthene	140	
50-32-8	Benzo[a]pyrene	120	
193-39-5	Indeno[1,2,3-cd]pyrene	120	U
53-70-3	Dibenz[a,h]anthracene	140	U
191-24-2	Benzo[g,h,i]perylene	78	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-5

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.09

Sample wt/vol: 20.76 (g/ml) G Lab File ID: BN1342.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 18.63 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	4.91	640	J
2. 000089-19-0	1,2-Benzenedicarboxylic acid, bu	19.25	590	JN
3. 000544-76-3	Hexadecane	27.65	690	JN
4. 000630-06-8	Hexatriacontane	28.95	700	JN
5.	unknown	29.70	550	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-6

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.11 RD

Sample wt/vol: 20.61 (g/ml) G Lab File ID: BN1350.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 21.24 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	370	U
62-75-9	N-nitroso-dimethylamine	250	U
62-53-3	Aniline	270	U
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	260	U
95-57-8	2-Chlorophenol	240	U
541-73-1	1,3-Dichlorobenzene	260	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl alcohol	330	U
95-50-1	1,2-Dichlorobenzene	290	U
	2-Methylphenol	250	U
108-60-1	bis(2-chloroisopropyl)ether	310	U
	4-Methylphenol	330	U
621-64-7	n-Nitroso-di-n-propylamine	300	U
67-72-1	Hexachloroethane	260	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	320	U
88-75-5	2-Nitrophenol	210	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	150	U
120-83-2	2,4-Dichlorophenol	190	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	320	U
91-20-3	Naphthalene	300	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	310	U
59-50-7	4-Chloro-3-methylphenol	240	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	70	U
88-06-2	2,4,6-Trichlorophenol	230	U
	2,4,5-Trichlorophenol	260	U
91-58-7	2-Chloronaphthalene	220	U
88-74-4	2-Nitroaniline	200	U
131-11-3	Dimethylphthalate	190	U
208-96-8	Acenaphthylene	240	U
606-20-2	2,6-Dinitrotoluene	280	U
99-09-2	3-Nitroaniline	310	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-6

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.11 RD

Sample wt/vol: 20.61 (g/ml) G Lab File ID: BN1350.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 21.24 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	220	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	230	U
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	230	U
84-66-2	Diethylphthalate	250	U
86-73-7	Fluorene	240	U
7005-72-3	4-Chlorophenyl-phenylether	230	U
100-01-6	4-Nitroaniline	350	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	230	U
103-33-3	Azobenzene	240	U
101-55-3	4-Bromophenyl-phenylether	210	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	360	U
85-01-8	Phenanthrene	190	JD
120-12-7	Anthracene	240	U
84-74-2	Di-n-butylphthalate	11000	BD
206-44-0	Fluoranthene	320	D
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	290	D
85-68-7	Butylbenzylphthalate	310	U
56-55-3	Benzo[a]anthracene	210	JD
91-94-1	3,3'-Dichlorobenzidine	420	U
218-01-9	Chrysene	340	D
117-81-7	bis(2-Ethylhexyl)phthalate	140	JBD
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo[b]fluoranthene	180	JD
207-08-9	Benzo[k]fluoranthene	210	JD
50-32-8	Benzo[a]pyrene	230	JD
193-39-5	Indeno[1,2,3-cd]pyrene	130	JD
53-70-3	Dibenz[a,h]anthracene	290	U
191-24-2	Benzo[g,h,i]perylene	130	JD

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-6

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.11 RD

Sample wt/vol: 20.61 (g/ml) G Lab File ID: BN1350.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 21.24 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

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. 019047-85-9	Phosphonic acid, dioctadecyl est	26.23	1100	JND
2. 000544-76-3	Hexadecane	27.62	2100	JND
3. 000646-31-1	Tetracosane	28.92	1400	JND
4. 000514-07-8	D-Friedoolean-14-en-3-one	30.73	2200	JND
5. 000127-22-0	Taraxerol	31.01	3200	JND

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-7

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.13

Sample wt/vol: 20.53 (g/ml) G Lab File ID: BN1344.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 20.71 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	180	U
62-75-9	N-nitroso-dimethylamine	120	U
62-53-3	Aniline	130	U
108-95-2	Phenol	200	U
111-44-4	bis(2-Chloroethyl)ether	130	U
95-57-8	2-Chlorophenol	120	U
541-73-1	1,3-Dichlorobenzene	130	U
106-46-7	1,4-Dichlorobenzene	180	U
100-51-6	Benzyl alcohol	160	U
95-50-1	1,2-Dichlorobenzene	140	U
	2-Methylphenol	130	U
108-60-1	bis(2-chloroisopropyl)ether	150	U
	4-Methylphenol	160	U
621-64-7	n-Nitroso-di-n-propylamine	150	U
67-72-1	Hexachloroethane	130	U
98-95-3	Nitrobenzene	160	U
78-59-1	Isophorone	160	U
88-75-5	2-Nitrophenol	100	U
105-67-9	2,4-Dimethylphenol	180	U
111-91-1	bis(2-Chloroethoxy)methane	73	U
120-83-2	2,4-Dichlorophenol	97	U
65-85-0	Benzoic Acid	610	U
120-82-1	1,2,4-Trichlorobenzene	160	U
91-20-3	Naphthalene	140	J
106-47-8	4-Chloroaniline	180	U
87-68-3	Hexachlorobutadiene	150	U
59-50-7	4-Chloro-3-methylphenol	120	U
91-57-6	2-Methylnaphthalene	77	J
77-47-4	Hexachlorocyclopentadiene	35	U
88-06-2	2,4,6-Trichlorophenol	120	U
	2,4,5-Trichlorophenol	130	U
91-58-7	2-Chloronaphthalene	110	U
88-74-4	2-Nitroaniline	100	U
131-11-3	Dimethylphthalate	93	U
208-96-8	Acenaphthylene	210	
606-20-2	2,6-Dinitrotoluene	140	U
99-09-2	3-Nitroaniline	150	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-7

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.13

Sample wt/vol: 20.53 (g/ml) G Lab File ID: BN1344.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 20.71 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	110	U
51-28-5	2,4-Dinitrophenol	610	U
132-64-9	Dibenzofuran	110	U
100-02-7	4-Nitrophenol	280	U
121-14-2	2,4-Dinitrotoluene	110	U
84-66-2	Diethylphthalate	120	U
86-73-7	Fluorene	96	J
7005-72-3	4-Chlorophenyl-phenylether	120	U
100-01-6	4-Nitroaniline	170	U
534-52-1	4,6-Dinitro-2-methylphenol	610	U
86-30-6	n-Nitrosodiphenylamine	110	U
103-33-3	Azobenzene	120	U
101-55-3	4-Bromophenyl-phenylether	110	U
118-74-1	Hexachlorobenzene	160	U
87-86-5	Pentachlorophenol	180	U
85-01-8	Phenanthrene	850	
120-12-7	Anthracene	120	J
84-74-2	Di-n-butylphthalate	3000	B
206-44-0	Fluoranthene	990	
92-87-5	Benzidine	560	U
129-00-0	Pyrene	1000	
85-68-7	Butylbenzylphthalate	150	U
56-55-3	Benzo[a]anthracene	470	
91-94-1	3,3'-Dichlorobenzidine	210	U
218-01-9	Chrysene	1100	
117-81-7	bis(2-Ethylhexyl)phthalate	88	JB
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo[b]fluoranthene	450	
207-08-9	Benzo[k]fluoranthene	380	
50-32-8	Benzo[a]pyrene	560	
193-39-5	Indeno[1,2,3-cd]pyrene	310	
53-70-3	Dibenz[a,h]anthracene	150	U
191-24-2	Benzo[g,h,i]perylene	290	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-7

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.13

Sample wt/vol: 20.53 (g/ml) G Lab File ID: BN1344.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 20.71 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	4.91	700	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.25	760	JN
3. 002461-18-9	Oxirane, [(dodecyloxy)methyl]-	26.26	720	JN
4. 056554-90-6	13-Octadecenal	27.25	1400	JN
5. 000000-00-0	10-Methylnonadecane	27.66	2500	JN
6. 002765-11-9	Pentadecanal-	28.61	920	JN
7. 000638-67-5	Tricosane	28.96	1600	JN
8. 005076-20-0	Oxirane, tetramethyl-	29.12	800	JN
9.	unknown	30.81	3000	J
10. 000127-22-0	Taraxerol	31.08	3100	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-8

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.15 RD

Sample wt/vol: 20.99 (g/ml) G Lab File ID: BN1351.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 23.61 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	370	U
62-75-9	N-nitroso-dimethylamine	250	U
62-53-3	Aniline	270	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	260	U
95-57-8	2-Chlorophenol	240	U
541-73-1	1,3-Dichlorobenzene	260	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl alcohol	330	U
95-50-1	1,2-Dichlorobenzene	290	U
	2-Methylphenol	260	U
108-60-1	bis(2-chloroisopropyl)ether	310	U
	4-Methylphenol	330	U
621-64-7	n-Nitroso-di-n-propylamine	300	U
67-72-1	Hexachloroethane	260	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	320	U
88-75-5	2-Nitrophenol	210	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	150	U
120-83-2	2,4-Dichlorophenol	200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	1200	D
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	310	U
59-50-7	4-Chloro-3-methylphenol	240	U
91-57-6	2-Methylnaphthalene	1100	D
77-47-4	Hexachlorocyclopentadiene	71	U
88-06-2	2,4,6-Trichlorophenol	230	U
	2,4,5-Trichlorophenol	260	U
91-58-7	2-Chloronaphthalene	220	U
88-74-4	2-Nitroaniline	210	U
131-11-3	Dimethylphthalate	190	U
208-96-8	Acenaphthylene	320	D
606-20-2	2,6-Dinitrotoluene	280	U
99-09-2	3-Nitroaniline	310	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-8

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.15 RD

Sample wt/vol: 20.99 (g/ml) G Lab File ID: BN1351.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 23.61 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

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	D
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	560	D
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	230	U
84-66-2	Diethylphthalate	250	U
86-73-7	Fluorene	1800	D
7005-72-3	4-Chlorophenyl-phenylether	230	U
100-01-6	4-Nitroaniline	350	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	230	U
103-33-3	Azobenzene	240	U
101-55-3	4-Bromophenyl-phenylether	220	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	370	U
85-01-8	Phenanthrene	9000	D
120-12-7	Anthracene	1200	D
84-74-2	Di-n-butylphthalate	1900	BD
206-44-0	Fluoranthene	6400	D
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	5900	D
85-68-7	Butylbenzylphthalate	310	U
56-55-3	Benzo[a]anthracene	3000	D
91-94-1	3,3'-Dichlorobenzidine	430	U
218-01-9	Chrysene	4300	D
117-81-7	bis(2-Ethylhexyl)phthalate	140	JBD
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo[b]fluoranthene	1500	D
207-08-9	Benzo[k]fluoranthene	2800	D
50-32-8	Benzo[a]pyrene	2600	D
193-39-5	Indeno[1,2,3-cd]pyrene	1200	D
53-70-3	Dibenz[a,h]anthracene	300	U
191-24-2	Benzo[g,h,i]perylene	1300	D

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-8

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.15 RD

Sample wt/vol: 20.99 (g/ml) G Lab File ID: BN1351.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 23.61 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

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. 000090-12-0	Naphthalene, 1-methyl-	12.74	1200	JND
2. 000581-40-8	Naphthalene, 2,3-dimethyl-	14.19	1200	JND
3. 000132-65-0	Dibenzothiophene	18.14	1300	JND
4.	unknown	19.22	2100	JD
5. 000610-48-0	Anthracene, 1-methyl-	19.62	2600	JND
6. 000613-12-7	Anthracene, 2-methyl-	19.69	2700	JND
7. 000832-69-9	Phenanthrene, 1-methyl-	19.87	3000	JND
8. 000613-12-7	Anthracene, 2-methyl-	19.93	1800	JND
9. 000612-94-2	Naphthalene, 2-phenyl-	20.36	1300	JND
10. 003674-66-6	Phenanthrene, 2,5-dimethyl-	20.98	1400	JND
11. 000192-97-2	Benzo[e]pyrene	27.61	1700	JND

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-9

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.17

Sample wt/vol: 20.34 (g/ml) G Lab File ID: BN1346.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 25.5 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	200	U
62-75-9	N-nitroso-dimethylamine	130	U
62-53-3	Aniline	140	U
108-95-2	Phenol	220	U
111-44-4	bis(2-Chloroethyl)ether	140	U
95-57-8	2-Chlorophenol	130	U
541-73-1	1,3-Dichlorobenzene	140	U
106-46-7	1,4-Dichlorobenzene	190	U
100-51-6	Benzyl alcohol	180	U
95-50-1	1,2-Dichlorobenzene	160	U
	2-Methylphenol	140	U
108-60-1	bis(2-chloroisopropyl)ether	170	U
	4-Methylphenol	180	U
621-64-7	n-Nitroso-di-n-propylamine	160	U
67-72-1	Hexachloroethane	140	U
98-95-3	Nitrobenzene	180	U
78-59-1	Isophorone	170	U
88-75-5	2-Nitrophenol	110	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	bis(2-Chloroethoxy)methane	79	U
120-83-2	2,4-Dichlorophenol	100	U
65-85-0	Benzoic Acid	660	U
120-82-1	1,2,4-Trichlorobenzene	170	U
91-20-3	Naphthalene	110	J
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	160	U
59-50-7	4-Chloro-3-methylphenol	130	U
91-57-6	2-Methylnaphthalene	74	J
77-47-4	Hexachlorocyclopentadiene	38	U
88-06-2	2,4,6-Trichlorophenol	120	U
	2,4,5-Trichlorophenol	140	U
91-58-7	2-Chloronaphthalene	120	U
88-74-4	2-Nitroaniline	110	U
131-11-3	Dimethylphthalate	100	U
208-96-8	Acenaphthylene	81	J
606-20-2	2,6-Dinitrotoluene	150	U
99-09-2	3-Nitroaniline	170	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-9

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.17

Sample wt/vol: 20.34 (g/ml) G Lab File ID: BN1346.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 25.5 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	93	J
51-28-5	2,4-Dinitrophenol	660	U
132-64-9	Dibenzofuran	120	U
100-02-7	4-Nitrophenol	300	U
121-14-2	2,4-Dinitrotoluene	120	U
84-66-2	Diethylphthalate	130	U
86-73-7	Fluorene	98	J
7005-72-3	4-Chlorophenyl-phenylether	120	U
100-01-6	4-Nitroaniline	190	U
534-52-1	4,6-Dinitro-2-methylphenol	660	U
86-30-6	n-Nitrosodiphenylamine	120	U
103-33-3	Azobenzene	130	U
101-55-3	4-Bromophenyl-phenylether	110	U
118-74-1	Hexachlorobenzene	170	U
87-86-5	Pentachlorophenol	190	U
85-01-8	Phenanthrene	1100	
120-12-7	Anthracene	190	
84-74-2	Di-n-butylphthalate	500	JB
206-44-0	Fluoranthene	1600	
92-87-5	Benzidine	600	U
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	170	U
56-55-3	Benzo[a]anthracene	640	
91-94-1	3,3'-Dichlorobenzidine	230	U
218-01-9	Chrysene	1100	
117-81-7	bis(2-Ethylhexyl)phthalate	150	JB
117-84-0	Di-n-octylphthalate	190	U
205-99-2	Benzo[b]fluoranthene	610	
207-08-9	Benzo[k]fluoranthene	650	
50-32-8	Benzo[a]pyrene	740	
193-39-5	Indeno[1,2,3-cd]pyrene	370	
53-70-3	Dibenz[a,h]anthracene	160	U
191-24-2	Benzo[g,h,i]perylene	340	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-9

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3420 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3420.17

Sample wt/vol: 20.34 (g/ml) G Lab File ID: BN1346.D

Level: (low/med) LOW Date Received: 03/19/98

% Moisture: 25.5 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 8 (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	650	JN
2. 000541-02-6	Cyclopentasiloxane, decamethyl-	10.39	580	JN
3. 000084-64-0	1,2-Benzenedicarboxylic acid, bu	19.25	900	JN
4. 056554-90-6	13-Octadecenal	27.25	1600	JN
5. 000544-76-3	Hexadecane	27.65	1800	JN
6. 000638-66-4	Octadecanal	28.61	630	JN
7. 000112-95-8	Eicosane	28.96	1400	JN
8.	unknown	29.71	1000	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-10

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.02

Sample wt/vol: 20.28 (g/ml) G Lab File ID: BN1352.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 8.7 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	160	U
62-75-9	N-nitroso-dimethylamine	110	U
62-53-3	Aniline	120	U
108-95-2	Phenol	180	U
111-44-4	bis(2-Chloroethyl)ether	110	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	110	U
106-46-7	1,4-Dichlorobenzene	160	U
100-51-6	Benzyl alcohol	140	U
95-50-1	1,2-Dichlorobenzene	130	U
	2-Methylphenol	110	U
108-60-1	bis(2-chloroisopropyl)ether	140	U
	4-Methylphenol	140	U
621-64-7	n-Nitroso-di-n-propylamine	130	U
67-72-1	Hexachloroethane	110	U
98-95-3	Nitrobenzene	140	U
78-59-1	Isophorone	140	U
88-75-5	2-Nitrophenol	91	U
105-67-9	2,4-Dimethylphenol	160	U
111-91-1	bis(2-Chloroethoxy)methane	64	U
120-83-2	2,4-Dichlorophenol	85	U
65-85-0	Benzoic Acid	540	U
120-82-1	1,2,4-Trichlorobenzene	140	U
91-20-3	Naphthalene	130	U
106-47-8	4-Chloroaniline	160	U
87-68-3	Hexachlorobutadiene	130	U
59-50-7	4-Chloro-3-methylphenol	110	U
91-57-6	2-Methylnaphthalene	150	U
77-47-4	Hexachlorocyclopentadiene	31	U
88-06-2	2,4,6-Trichlorophenol	100	U
	2,4,5-Trichlorophenol	110	U
91-58-7	2-Chloronaphthalene	96	U
88-74-4	2-Nitroaniline	90	U
131-11-3	Dimethylphthalate	82	U
208-96-8	Acenaphthylene	100	U
606-20-2	2,6-Dinitrotoluene	120	U
99-09-2	3-Nitroaniline	140	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-10

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.02

Sample wt/vol: 20.28 (g/ml) G Lab File ID: BN1352.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 8.7 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	95	U
51-28-5	2,4-Dinitrophenol	540	U
132-64-9	Dibenzofuran	100	U
100-02-7	4-Nitrophenol	250	U
121-14-2	2,4-Dinitrotoluene	100	U
84-66-2	Diethylphthalate	110	U
86-73-7	Fluorene	100	U
7005-72-3	4-Chlorophenyl-phenylether	100	U
100-01-6	4-Nitroaniline	150	U
534-52-1	4,6-Dinitro-2-methylphenol	540	U
86-30-6	n-Nitrosodiphenylamine	99	U
103-33-3	Azobenzene	100	U
101-55-3	4-Bromophenyl-phenylether	93	U
118-74-1	Hexachlorobenzene	140	U
87-86-5	Pentachlorophenol	160	U
85-01-8	Phenanthrene	150	
120-12-7	Anthracene	100	U
84-74-2	Di-n-butylphthalate	170	JB
206-44-0	Fluoranthene	160	
92-87-5	Benzidine	490	U
129-00-0	Pyrene	160	
85-68-7	Butylbenzylphthalate	140	U
56-55-3	Benzo[a]anthracene	130	
91-94-1	3,3'-Dichlorobenzidine	190	U
218-01-9	Chrysene	260	
117-81-7	bis(2-Ethylhexyl)phthalate	98	JB
117-84-0	Di-n-octylphthalate	150	U
205-99-2	Benzo[b]fluoranthene	160	
207-08-9	Benzo[k]fluoranthene	300	
50-32-8	Benzo[a]pyrene	230	
193-39-5	Indeno[1,2,3-cd]pyrene	160	
53-70-3	Dibenz[a,h]anthracene	130	U
191-24-2	Benzo[g,h,i]perylene	180	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-10

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.02

Sample wt/vol: 20.28 (g/ml) G Lab File ID: BN1352.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 8.7 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 5 (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	4.88	490	JN
2. 000629-78-7	Heptadecane	27.63	660	JN
3. 054833-23-7	Eicosane, 10-methyl-	28.93	460	JN
4. 000629-96-9	1-Eicosanol	29.00	800	JN
5.	unknown	29.68	1100	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-11

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.04

Sample wt/vol: 19.93 (g/ml) G Lab File ID: BN1353.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 10.55 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	170	U
62-75-9	N-nitroso-dimethylamine	110	U
62-53-3	Aniline	120	U
108-95-2	Phenol	190	U
111-44-4	bis(2-Chloroethyl)ether	120	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	120	U
106-46-7	1,4-Dichlorobenzene	160	U
100-51-6	Benzyl alcohol	150	U
95-50-1	1,2-Dichlorobenzene	130	U
	2-Methylphenol	110	U
108-60-1	bis(2-chloroisopropyl)ether	140	U
	4-Methylphenol	150	U
621-64-7	n-Nitroso-di-n-propylamine	140	U
67-72-1	Hexachloroethane	120	U
98-95-3	Nitrobenzene	150	U
78-59-1	Isophorone	140	U
88-75-5	2-Nitrophenol	94	U
105-67-9	2,4-Dimethylphenol	160	U
111-91-1	bis(2-Chloroethoxy)methane	67	U
120-83-2	2,4-Dichlorophenol	89	U
65-85-0	Benzoic Acid	560	U
120-82-1	1,2,4-Trichlorobenzene	150	U
91-20-3	Naphthalene	280	
106-47-8	4-Chloroaniline	160	U
87-68-3	Hexachlorobutadiene	140	U
59-50-7	4-Chloro-3-methylphenol	110	U
91-57-6	2-Methylnaphthalene	210	
77-47-4	Hexachlorocyclopentadiene	32	U
88-06-2	2,4,6-Trichlorophenol	110	U
	2,4,5-Trichlorophenol	120	U
91-58-7	2-Chloronaphthalene	99	U
88-74-4	2-Nitroaniline	93	U
131-11-3	Dimethylphthalate	85	U
208-96-8	Acenaphthylene	110	U
606-20-2	2,6-Dinitrotoluene	130	U
99-09-2	3-Nitroaniline	140	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-11

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.04

Sample wt/vol: 19.93 (g/ml) G Lab File ID: BN1353.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 10.55 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	98	U
51-28-5	2,4-Dinitrophenol	560	U
132-64-9	Dibenzofuran	100	U
100-02-7	4-Nitrophenol	260	U
121-14-2	2,4-Dinitrotoluene	100	U
84-66-2	Diethylphthalate	110	U
86-73-7	Fluorene	110	U
7005-72-3	4-Chlorophenyl-phenylether	110	U
100-01-6	4-Nitroaniline	160	U
534-52-1	4,6-Dinitro-2-methylphenol	560	U
86-30-6	n-Nitrosodiphenylamine	100	U
103-33-3	Azobenzene	110	U
101-55-3	4-Bromophenyl-phenylether	97	U
118-74-1	Hexachlorobenzene	150	U
87-86-5	Pentachlorophenol	170	U
85-01-8	Phenanthrene	120	
120-12-7	Anthracene	110	U
84-74-2	Di-n-butylphthalate	340	JB
206-44-0	Fluoranthene	96	J
92-87-5	Benzidine	510	U
129-00-0	Pyrene	79	J
85-68-7	Butylbenzylphthalate	140	U
56-55-3	Benzo[a]anthracene	110	U
91-94-1	3,3'-Dichlorobenzidine	190	U
218-01-9	Chrysene	95	J
117-81-7	bis(2-Ethylhexyl)phthalate	67	JB
117-84-0	Di-n-octylphthalate	160	U
205-99-2	Benzo[b]fluoranthene	140	U
207-08-9	Benzo[k]fluoranthene	100	U
50-32-8	Benzo[a]pyrene	100	U
193-39-5	Indeno[1,2,3-cd]pyrene	110	U
53-70-3	Dibenz[a,h]anthracene	130	U
191-24-2	Benzo[g,h,i]perylene	130	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-11

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.04

Sample wt/vol: 19.93 (g/ml) G Lab File ID: BN1353.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 10.55 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	4.88	520	J
2. 000108-38-3	Benzene, 1,3-dimethyl-	5.82	480	JN
3.	unknown	19.23	530	J
4.	unknown	27.22	450	J
5. 000630-06-8	Hexatriacontane	27.62	570	JN
6. 000000-00-0	10-Methylnonadecane	28.93	490	JN
7. 000629-96-9	1-Eicosanol	28.99	770	JN
8.	unknown	29.66	950	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-12

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.06

Sample wt/vol: 20.17 (g/ml) G Lab File ID: BN1354.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 12.33 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	170	U
62-75-9	N-nitroso-dimethylamine	110	U
62-53-3	Aniline	120	U
108-95-2	Phenol	190	U
111-44-4	bis(2-Chloroethyl)ether	120	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	120	U
106-46-7	1,4-Dichlorobenzene	170	U
100-51-6	Benzyl alcohol	150	U
95-50-1	1,2-Dichlorobenzene	130	U
	2-Methylphenol	120	U
108-60-1	bis(2-chloroisopropyl)ether	140	U
	4-Methylphenol	150	U
621-64-7	n-Nitroso-di-n-propylamine	140	U
67-72-1	Hexachloroethane	120	U
98-95-3	Nitrobenzene	150	U
78-59-1	Isophorone	140	U
88-75-5	2-Nitrophenol	95	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	bis(2-Chloroethoxy)methane	67	U
120-83-2	2,4-Dichlorophenol	89	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	150	U
91-20-3	Naphthalene	140	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	140	U
59-50-7	4-Chloro-3-methylphenol	110	U
91-57-6	2-Methylnaphthalene	150	U
77-47-4	Hexachlorocyclopentadiene	32	U
88-06-2	2,4,6-Trichlorophenol	110	U
	2,4,5-Trichlorophenol	120	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	94	U
131-11-3	Dimethylphthalate	85	U
208-96-8	Acenaphthylene	110	U
606-20-2	2,6-Dinitrotoluene	130	U
99-09-2	3-Nitroaniline	140	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-12

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.06

Sample wt/vol: 20.17 (g/ml) G Lab File ID: BN1354.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 12.33 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	73	J
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	110	U
100-02-7	4-Nitrophenol	260	U
121-14-2	2,4-Dinitrotoluene	110	U
84-66-2	Diethylphthalate	110	U
86-73-7	Fluorene	58	J
7005-72-3	4-Chlorophenyl-phenylether	110	U
100-01-6	4-Nitroaniline	160	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	100	U
103-33-3	Azobenzene	110	U
101-55-3	4-Bromophenyl-phenylether	98	U
118-74-1	Hexachlorobenzene	150	U
87-86-5	Pentachlorophenol	170	U
85-01-8	Phenanthrene	540	
120-12-7	Anthracene	110	J
84-74-2	Di-n-butylphthalate	390	JB
206-44-0	Fluoranthene	700	
92-87-5	Benzidine	510	U
129-00-0	Pyrene	430	
85-68-7	Butylbenzylphthalate	140	U
56-55-3	Benzo[a]anthracene	220	
91-94-1	3,3'-Dichlorobenzidine	190	U
218-01-9	Chrysene	380	
117-81-7	bis(2-Ethylhexyl)phthalate	90	JB
117-84-0	Di-n-octylphthalate	160	U
205-99-2	Benzo[b]fluoranthene	190	
207-08-9	Benzo[k]fluoranthene	190	
50-32-8	Benzo[a]pyrene	250	
193-39-5	Indeno[1,2,3-cd]pyrene	120	U
53-70-3	Dibenz[a,h]anthracene	140	U
191-24-2	Benzo[g,h,i]perylene	140	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-12

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.06

Sample wt/vol: 20.17 (g/ml) G Lab File ID: BN1354.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 12.33 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	4.88	520	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.23	750	JN
3. 021964-48-7	1,12-Tridecadiene	27.22	510	JN
4. 000544-76-3	Hexadecane	27.62	1600	JN
5. 000630-07-9	Pentatriacontane	28.93	670	JN
6. 000629-76-5	1-Pentadecanol	28.99	820	JN
7.	unknown	29.67	970	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-13

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.08

Sample wt/vol: 20.92 (g/ml) G Lab File ID: BN1355.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 15.57 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	170	U
62-75-9	N-nitroso-dimethylamine	110	U
62-53-3	Aniline	120	U
108-95-2	Phenol	190	U
111-44-4	bis(2-Chloroethyl)ether	120	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	120	U
106-46-7	1,4-Dichlorobenzene	170	U
100-51-6	Benzyl alcohol	150	U
95-50-1	1,2-Dichlorobenzene	130	U
	2-Methylphenol	120	U
108-60-1	bis(2-chloroisopropyl)ether	140	U
	4-Methylphenol	150	U
621-64-7	n-Nitroso-di-n-propylamine	140	U
67-72-1	Hexachloroethane	120	U
98-95-3	Nitrobenzene	150	U
78-59-1	Isophorone	140	U
88-75-5	2-Nitrophenol	95	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	bis(2-Chloroethoxy)methane	67	U
120-83-2	2,4-Dichlorophenol	89	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	150	U
91-20-3	Naphthalene	140	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	140	U
59-50-7	4-Chloro-3-methylphenol	110	U
91-57-6	2-Methylnaphthalene	150	U
77-47-4	Hexachlorocyclopentadiene	32	U
88-06-2	2,4,6-Trichlorophenol	110	U
	2,4,5-Trichlorophenol	120	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	94	U
131-11-3	Dimethylphthalate	85	U
208-96-8	Acenaphthylene	110	U
606-20-2	2,6-Dinitrotoluene	130	U
99-09-2	3-Nitroaniline	140	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-13

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.08

Sample wt/vol: 20.92 (g/ml) G Lab File ID: BN1355.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 15.57 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	99	U
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	110	U
100-02-7	4-Nitrophenol	260	U
121-14-2	2,4-Dinitrotoluene	110	U
84-66-2	Diethylphthalate	110	U
86-73-7	Fluorene	110	U
7005-72-3	4-Chlorophenyl-phenylether	110	U
100-01-6	4-Nitroaniline	160	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	100	U
103-33-3	Azobenzene	110	U
101-55-3	4-Bromophenyl-phenylether	98	U
118-74-1	Hexachlorobenzene	150	U
87-86-5	Pentachlorophenol	170	U
85-01-8	Phenanthrene	110	U
120-12-7	Anthracene	110	U
84-74-2	Di-n-butylphthalate	370	JB
206-44-0	Fluoranthene	110	U
92-87-5	Benzidine	510	U
129-00-0	Pyrene	130	U
85-68-7	Butylbenzylphthalate	140	U
56-55-3	Benzo[a]anthracene	110	U
91-94-1	3,3'-Dichlorobenzidine	190	U
218-01-9	Chrysene	140	U
117-81-7	bis(2-Ethylhexyl)phthalate	85	JB
117-84-0	Di-n-octylphthalate	160	U
205-99-2	Benzo[b]fluoranthene	140	U
207-08-9	Benzo[k]fluoranthene	100	U
50-32-8	Benzo[a]pyrene	110	U
193-39-5	Indeno[1,2,3-cd]pyrene	120	U
53-70-3	Dibenz[a,h]anthracene	140	U
191-24-2	Benzo[g,h,i]perylene	140	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-13

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.08

Sample wt/vol: 20.92 (g/ml) G Lab File ID: BN1355.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 15.57 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	4.89	540	J
2.	unknown	19.23	620	J
3. 000105-87-3	2,6-Octadien-1-ol, 3,7-dimethyl-,	27.17	510	JN
4.	unknown	27.21	520	J
5. 000630-06-8	Hexatriacontane	27.62	1900	JN
6. 002765-11-9	Pentadecanal-	28.57	760	JN
7. 000112-95-8	Eicosane	28.92	1400	JN
8. 000629-76-5	1-Pentadecanol	28.99	980	JN
9.	unknown	29.67	1100	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-14

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.10

Sample wt/vol: 20.47 (g/ml) G Lab File ID: BN1356.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 10.16 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	160	U
62-75-9	N-nitroso-dimethylamine	110	U
62-53-3	Aniline	120	U
108-95-2	Phenol	180	U
111-44-4	bis(2-Chloroethyl)ether	110	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	110	U
106-46-7	1,4-Dichlorobenzene	160	U
100-51-6	Benzyl alcohol	150	U
95-50-1	1,2-Dichlorobenzene	130	U
	2-Methylphenol	110	U
108-60-1	bis(2-chloroisopropyl)ether	140	U
	4-Methylphenol	150	U
621-64-7	n-Nitroso-di-n-propylamine	130	U
67-72-1	Hexachloroethane	110	U
98-95-3	Nitrobenzene	150	U
78-59-1	Isophorone	140	U
88-75-5	2-Nitrophenol	91	U
105-67-9	2,4-Dimethylphenol	160	U
111-91-1	bis(2-Chloroethoxy)methane	65	U
120-83-2	2,4-Dichlorophenol	86	U
65-85-0	Benzoic Acid	540	U
120-82-1	1,2,4-Trichlorobenzene	140	U
91-20-3	Naphthalene	130	U
106-47-8	4-Chloroaniline	160	U
87-68-3	Hexachlorobutadiene	140	U
59-50-7	4-Chloro-3-methylphenol	110	U
91-57-6	2-Methylnaphthalene	150	U
77-47-4	Hexachlorocyclopentadiene	31	U
88-06-2	2,4,6-Trichlorophenol	100	U
	2,4,5-Trichlorophenol	110	U
91-58-7	2-Chloronaphthalene	96	U
88-74-4	2-Nitroaniline	90	U
131-11-3	Dimethylphthalate	82	U
208-96-8	Acenaphthylene	100	U
606-20-2	2,6-Dinitrotoluene	120	U
99-09-2	3-Nitroaniline	140	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-14

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.10

Sample wt/vol: 20.47 (g/ml) G Lab File ID: BN1356.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 10.16 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	95	U
51-28-5	2,4-Dinitrophenol	540	U
132-64-9	Dibenzofuran	100	U
100-02-7	4-Nitrophenol	250	U
121-14-2	2,4-Dinitrotoluene	100	U
84-66-2	Diethylphthalate	110	U
86-73-7	Fluorene	100	U
7005-72-3	4-Chlorophenyl-phenylether	100	U
100-01-6	4-Nitroaniline	150	U
534-52-1	4,6-Dinitro-2-methylphenol	540	U
86-30-6	n-Nitrosodiphenylamine	100	U
103-33-3	Azobenzene	100	U
101-55-3	4-Bromophenyl-phenylether	94	U
118-74-1	Hexachlorobenzene	140	U
87-86-5	Pentachlorophenol	160	U
85-01-8	Phenanthrene	57	J
120-12-7	Anthracene	100	U
84-74-2	Di-n-butylphthalate	320	JB
206-44-0	Fluoranthene	110	
92-87-5	Benzidine	490	U
129-00-0	Pyrene	80	J
85-68-7	Butylbenzylphthalate	140	U
56-55-3	Benzo[a]anthracene	110	U
91-94-1	3,3'-Dichlorobenzidine	190	U
218-01-9	Chrysene	96	J
117-81-7	bis(2-Ethylhexyl)phthalate	73	JB
117-84-0	Di-n-octylphthalate	150	U
205-99-2	Benzo[b]fluoranthene	130	U
207-08-9	Benzo[k]fluoranthene	65	J
50-32-8	Benzo[a]pyrene	100	U
193-39-5	Indeno[1,2,3-cd]pyrene	110	U
53-70-3	Dibenz[a,h]anthracene	130	U
191-24-2	Benzo[g,h,i]perylene	130	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-14

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.10

Sample wt/vol: 20.47 (g/ml) G Lab File ID: BN1356.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 10.16 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.88	550	JN
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.23	570	JN
3. 000638-66-4	Octadecanal	27.22	870	JN
4. 000630-06-8	Hexatriacontane	27.62	690	JN
5. 007390-81-0	Oxirane, hexadecyl-	28.57	570	JN
6. 000646-31-1	Tetracosane	28.92	880	JN
7. 006971-40-0	17-Pentatriacontene	28.99	1000	JN
8.	unknown	29.67	1200	J
9. 001235-39-8	1-Naphthalenecarboxylic acid, de	30.14	1500	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-15

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3742 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.12

Sample wt/vol: 20.42 (g/ml) G Lab File ID: BN1357.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 18.87 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	180	U
62-75-9	N-nitroso-dimethylamine	120	U
62-53-3	Aniline	130	U
108-95-2	Phenol	200	U
111-44-4	bis(2-Chloroethyl)ether	130	U
95-57-8	2-Chlorophenol	120	U
541-73-1	1,3-Dichlorobenzene	120	U
106-46-7	1,4-Dichlorobenzene	180	U
100-51-6	Benzyl alcohol	160	U
95-50-1	1,2-Dichlorobenzene	140	U
	2-Methylphenol	120	U
108-60-1	bis(2-chloroisopropyl)ether	150	U
	4-Methylphenol	160	U
621-64-7	n-Nitroso-di-n-propylamine	150	U
67-72-1	Hexachloroethane	130	U
98-95-3	Nitrobenzene	160	U
78-59-1	Isophorone	150	U
88-75-5	2-Nitrophenol	100	U
105-67-9	2,4-Dimethylphenol	180	U
111-91-1	bis(2-Chloroethoxy)methane	72	U
120-83-2	2,4-Dichlorophenol	95	U
65-85-0	Benzoic Acid	600	U
120-82-1	1,2,4-Trichlorobenzene	160	U
91-20-3	Naphthalene	51	J
106-47-8	4-Chloroaniline	180	U
87-68-3	Hexachlorobutadiene	150	U
59-50-7	4-Chloro-3-methylphenol	120	U
91-57-6	2-Methylnaphthalene	60	J
77-47-4	Hexachlorocyclopentadiene	34	U
88-06-2	2,4,6-Trichlorophenol	110	U
	2,4,5-Trichlorophenol	130	U
91-58-7	2-Chloronaphthalene	110	U
88-74-4	2-Nitroaniline	100	U
131-11-3	Dimethylphthalate	91	U
208-96-8	Acenaphthylene	18	J
606-20-2	2,6-Dinitrotoluene	140	U
99-09-2	3-Nitroaniline	150	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-15

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3742 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.12

Sample wt/vol: 20.42 (g/ml) G Lab File ID: BN1357.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 18.87 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	110	U
51-28-5	2,4-Dinitrophenol	600	U
132-64-9	Dibenzofuran	21	J
100-02-7	4-Nitrophenol	280	U
121-14-2	2,4-Dinitrotoluene	110	U
84-66-2	Diethylphthalate	18	J
86-73-7	Fluorene	120	U
7005-72-3	4-Chlorophenyl-phenylether	110	U
100-01-6	4-Nitroaniline	170	U
534-52-1	4,6-Dinitro-2-methylphenol	600	U
86-30-6	n-Nitrosodiphenylamine	56	J
103-33-3	Azobenzene	120	U
101-55-3	4-Bromophenyl-phenylether	100	U
118-74-1	Hexachlorobenzene	160	U
87-86-5	Pentachlorophenol	180	U
85-01-8	Phenanthrene	120	
120-12-7	Anthracene	17	J
84-74-2	Di-n-butylphthalate	610	B
206-44-0	Fluoranthene	140	
92-87-5	Benzidine	550	U
129-00-0	Pyrene	140	
85-68-7	Butylbenzylphthalate	150	U
56-55-3	Benzo[a]anthracene	63	J
91-94-1	3,3'-Dichlorobenzidine	210	U
218-01-9	Chrysene	160	
117-81-7	bis(2-Ethylhexyl)phthalate	230	B
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo[b]fluoranthene	160	
207-08-9	Benzo[k]fluoranthene	180	
50-32-8	Benzo[a]pyrene	72	J
193-39-5	Indeno[1,2,3-cd]pyrene	120	U
53-70-3	Dibenz[a,h]anthracene	140	U
191-24-2	Benzo[g,h,i]perylene	140	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-15

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3742 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.12

Sample wt/vol: 20.42 (g/ml) G Lab File ID: BN1357.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 18.87 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.23	970	JN
2. 000638-67-5	Tricosane	26.93	500	JN
3.	unknown	27.17	560	J
4. 007098-22-8	Tetratetracontane	28.93	1900	JN
5.	unknown	29.67	870	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-16

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.14

Sample wt/vol: 20.17 (g/ml) G Lab File ID: BN1358.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 22.87 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	190	U
62-75-9	N-nitroso-dimethylamine	130	U
62-53-3	Aniline	140	U
108-95-2	Phenol	210	U
111-44-4	bis(2-Chloroethyl)ether	130	U
95-57-8	2-Chlorophenol	120	U
541-73-1	1,3-Dichlorobenzene	130	U
106-46-7	1,4-Dichlorobenzene	190	U
100-51-6	Benzyl alcohol	170	U
95-50-1	1,2-Dichlorobenzene	150	U
	2-Methylphenol	130	U
108-60-1	bis(2-chloroisopropyl)ether	160	U
	4-Methylphenol	170	U
621-64-7	n-Nitroso-di-n-propylamine	160	U
67-72-1	Hexachloroethane	130	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	160	U
88-75-5	2-Nitrophenol	110	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	bis(2-Chloroethoxy)methane	76	U
120-83-2	2,4-Dichlorophenol	100	U
65-85-0	Benzoic Acid	640	U
120-82-1	1,2,4-Trichlorobenzene	170	U
91-20-3	Naphthalene	160	U
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	160	U
59-50-7	4-Chloro-3-methylphenol	130	U
91-57-6	2-Methylnaphthalene	180	U
77-47-4	Hexachlorocyclopentadiene	37	U
88-06-2	2,4,6-Trichlorophenol	120	U
	2,4,5-Trichlorophenol	130	U
91-58-7	2-Chloronaphthalene	110	U
88-74-4	2-Nitroaniline	110	U
131-11-3	Dimethylphthalate	97	U
208-96-8	Acenaphthylene	120	U
606-20-2	2,6-Dinitrotoluene	150	U
99-09-2	3-Nitroaniline	160	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-16

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.14

Sample wt/vol: 20.17 (g/ml) G Lab File ID: BN1358.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 22.87 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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	110	U
51-28-5	2,4-Dinitrophenol	640	U
132-64-9	Dibenzofuran	120	U
100-02-7	4-Nitrophenol	300	U
121-14-2	2,4-Dinitrotoluene	120	U
84-66-2	Diethylphthalate	130	U
86-73-7	Fluorene	120	U
7005-72-3	4-Chlorophenyl-phenylether	120	U
100-01-6	4-Nitroaniline	180	U
534-52-1	4,6-Dinitro-2-methylphenol	640	U
86-30-6	n-Nitrosodiphenylamine	120	U
103-33-3	Azobenzene	120	U
101-55-3	4-Bromophenyl-phenylether	110	U
118-74-1	Hexachlorobenzene	170	U
87-86-5	Pentachlorophenol	190	U
85-01-8	Phenanthrene	120	U
120-12-7	Anthracene	120	U
84-74-2	Di-n-butylphthalate	450	JB
206-44-0	Fluoranthene	84	J
92-87-5	Benzidine	580	U
129-00-0	Pyrene	73	J
85-68-7	Butylbenzylphthalate	160	U
56-55-3	Benzo[a]anthracene	130	U
91-94-1	3,3'-Dichlorobenzidine	220	U
218-01-9	Chrysene	160	U
117-81-7	bis(2-Ethylhexyl)phthalate	260	B
117-84-0	Di-n-octylphthalate	180	U
205-99-2	Benzo[b]fluoranthene	160	U
207-08-9	Benzo[k]fluoranthene	120	U
50-32-8	Benzo[a]pyrene	120	U
193-39-5	Indeno[1,2,3-cd]pyrene	130	U
53-70-3	Dibenz[a,h]anthracene	150	U
191-24-2	Benzo[g,h,i]perylene	150	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-16

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.14

Sample wt/vol: 20.17 (g/ml) G Lab File ID: BN1358.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 22.87 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/02/98

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. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.23	710	JN
2. 000105-87-3	2,6-Octadien-1-ol, 3,7-dimethyl-,	27.17	990	JN
3.	unknown	29.67	730	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-17

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.16 R

Sample wt/vol: 20.17 (g/ml) G Lab File ID: BN1368.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 20.08 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/03/98

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	190	U
62-75-9	N-nitroso-dimethylamine	120	U
62-53-3	Aniline	140	U
108-95-2	Phenol	210	U
111-44-4	bis(2-Chloroethyl)ether	130	U
95-57-8	2-Chlorophenol	120	U
541-73-1	1,3-Dichlorobenzene	130	U
106-46-7	1,4-Dichlorobenzene	180	U
100-51-6	Benzyl alcohol	170	U
95-50-1	1,2-Dichlorobenzene	150	U
	2-Methylphenol	130	U
108-60-1	bis(2-chloroisopropyl)ether	160	U
	4-Methylphenol	170	U
621-64-7	n-Nitroso-di-n-propylamine	150	U
67-72-1	Hexachloroethane	130	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	160	U
88-75-5	2-Nitrophenol	100	U
105-67-9	2,4-Dimethylphenol	180	U
111-91-1	bis(2-Chloroethoxy)methane	74	U
120-83-2	2,4-Dichlorophenol	98	U
65-85-0	Benzoic Acid	620	U
120-82-1	1,2,4-Trichlorobenzene	160	U
91-20-3	Naphthalene	150	U
106-47-8	4-Chloroaniline	180	U
87-68-3	Hexachlorobutadiene	150	U
59-50-7	4-Chloro-3-methylphenol	120	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	35	U
88-06-2	2,4,6-Trichlorophenol	120	U
	2,4,5-Trichlorophenol	130	U
91-58-7	2-Chloronaphthalene	110	U
88-74-4	2-Nitroaniline	100	U
131-11-3	Dimethylphthalate	94	U
208-96-8	Acenaphthylene	120	U
606-20-2	2,6-Dinitrotoluene	140	U
99-09-2	3-Nitroaniline	160	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-17

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.16 R

Sample wt/vol: 20.17 (g/ml) G Lab File ID: BN1368.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 20.08 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/03/98

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	110	U
51-28-5	2,4-Dinitrophenol	620	U
132-64-9	Dibenzofuran	120	U
100-02-7	4-Nitrophenol	280	U
121-14-2	2,4-Dinitrotoluene	120	U
84-66-2	Diethylphthalate	130	U
86-73-7	Fluorene	120	U
7005-72-3	4-Chlorophenyl-phenylether	120	U
100-01-6	4-Nitroaniline	170	U
534-52-1	4,6-Dinitro-2-methylphenol	620	U
86-30-6	n-Nitrosodiphenylamine	110	U
103-33-3	Azobenzene	120	U
101-55-3	4-Bromophenyl-phenylether	110	U
118-74-1	Hexachlorobenzene	160	U
87-86-5	Pentachlorophenol	180	U
85-01-8	Phenanthrene	120	U
120-12-7	Anthracene	120	U
84-74-2	Di-n-butylphthalate	510	JB
206-44-0	Fluoranthene	120	U
92-87-5	Benzidine	560	U
129-00-0	Pyrene	140	U
85-68-7	Butylbenzylphthalate	65	J
56-55-3	Benzo[a]anthracene	120	U
91-94-1	3,3'-Dichlorobenzidine	210	U
218-01-9	Chrysene	74	J
117-81-7	bis(2-Ethylhexyl)phthalate	350	B
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo[b]fluoranthene	150	U
207-08-9	Benzo[k]fluoranthene	62	J
50-32-8	Benzo[a]pyrene	120	U
193-39-5	Indeno[1,2,3-cd]pyrene	130	U
53-70-3	Dibenz[a,h]anthracene	150	U
191-24-2	Benzo[g,h,i]perylene	150	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-17

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.16 R

Sample wt/vol: 20.17 (g/ml) G Lab File ID: BN1368.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 20.08 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/03/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.85	500	J
2.	unknown	19.19	900	J
3. 006624-79-9	1-Dotriacontanol	26.19	710	JN
4. 019047-85-9	Phosphonic acid, dioctadecyl est	28.94	710	JN
5.	unknown	29.62	930	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-18

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.18 R

Sample wt/vol: 20.21 (g/ml) G Lab File ID: BN1369.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 22.59 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/03/98

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	190	U
62-75-9	N-nitroso-dimethylamine	130	U
62-53-3	Aniline	140	U
108-95-2	Phenol	210	U
111-44-4	bis(2-Chloroethyl)ether	130	U
95-57-8	2-Chlorophenol	120	U
541-73-1	1,3-Dichlorobenzene	130	U
106-46-7	1,4-Dichlorobenzene	190	U
100-51-6	Benzyl alcohol	170	U
95-50-1	1,2-Dichlorobenzene	150	U
	2-Methylphenol	130	U
108-60-1	bis(2-chloroisopropyl)ether	160	U
	4-Methylphenol	170	U
621-64-7	n-Nitroso-di-n-propylamine	160	U
67-72-1	Hexachloroethane	130	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	160	U
88-75-5	2-Nitrophenol	110	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	bis(2-Chloroethoxy)methane	76	U
120-83-2	2,4-Dichlorophenol	100	U
65-85-0	Benzoic Acid	640	U
120-82-1	1,2,4-Trichlorobenzene	170	U
91-20-3	Naphthalene	160	U
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	160	U
59-50-7	4-Chloro-3-methylphenol	120	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	36	U
88-06-2	2,4,6-Trichlorophenol	120	U
	2,4,5-Trichlorophenol	130	U
91-58-7	2-Chloronaphthalene	110	U
88-74-4	2-Nitroaniline	110	U
131-11-3	Dimethylphthalate	97	U
208-96-8	Acenaphthylene	120	U
606-20-2	2,6-Dinitrotoluene	150	U
99-09-2	3-Nitroaniline	160	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-18

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.18 R

Sample wt/vol: 20.21 (g/ml) G Lab File ID: BN1369.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 22.59 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/03/98

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	110	U
51-28-5	2,4-Dinitrophenol	640	U
132-64-9	Dibenzofuran	120	U
100-02-7	4-Nitrophenol	290	U
121-14-2	2,4-Dinitrotoluene	120	U
84-66-2	Diethylphthalate	130	U
86-73-7	Fluorene	120	U
7005-72-3	4-Chlorophenyl-phenylether	120	U
100-01-6	4-Nitroaniline	180	U
534-52-1	4,6-Dinitro-2-methylphenol	640	U
86-30-6	n-Nitrosodiphenylamine	120	U
103-33-3	Azobenzene	120	U
101-55-3	4-Bromophenyl-phenylether	110	U
118-74-1	Hexachlorobenzene	170	U
87-86-5	Pentachlorophenol	190	U
85-01-8	Phenanthrene	120	U
120-12-7	Anthracene	120	U
84-74-2	Di-n-butylphthalate	560	B
206-44-0	Fluoranthene	120	U
92-87-5	Benzidine	580	U
129-00-0	Pyrene	85	J
85-68-7	Butylbenzylphthalate	160	U
56-55-3	Benzo[a]anthracene	130	U
91-94-1	3,3'-Dichlorobenzidine	220	U
218-01-9	Chrysene	69	J
117-81-7	bis(2-Ethylhexyl)phthalate	220	B
117-84-0	Di-n-octylphthalate	180	U
205-99-2	Benzo[b]fluoranthene	160	U
207-08-9	Benzo[k]fluoranthene	120	U
50-32-8	Benzo[a]pyrene	120	U
193-39-5	Indeno[1,2,3-cd]pyrene	130	U
53-70-3	Dibenz[a,h]anthracene	150	U
191-24-2	Benzo[g,h,i]perylene	150	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-18

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.18 R

Sample wt/vol: 20.21 (g/ml) G Lab File ID: BN1369.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 22.59 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/03/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.86	510	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.19	1000	JN
3. 006971-40-0	17-Pentatriacontene	26.18	520	JN
4. 000629-96-9	1-Eicosanol	28.93	580	JN
5.	unknown	29.61	760	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-19

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.20 R

Sample wt/vol: 20.6 (g/ml) G Lab File ID: BN1370.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 21.37 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/03/98

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	180	U
62-75-9	N-nitroso-dimethylamine	120	U
62-53-3	Aniline	130	U
108-95-2	Phenol	210	U
111-44-4	bis(2-Chloroethyl)ether	130	U
95-57-8	2-Chlorophenol	120	U
541-73-1	1,3-Dichlorobenzene	130	U
106-46-7	1,4-Dichlorobenzene	180	U
100-51-6	Benzyl alcohol	160	U
95-50-1	1,2-Dichlorobenzene	150	U
	2-Methylphenol	130	U
108-60-1	bis(2-chloroisopropyl)ether	150	U
	4-Methylphenol	160	U
621-64-7	n-Nitroso-di-n-propylamine	150	U
67-72-1	Hexachloroethane	130	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	160	U
88-75-5	2-Nitrophenol	100	U
105-67-9	2,4-Dimethylphenol	180	U
111-91-1	bis(2-Chloroethoxy)methane	73	U
120-83-2	2,4-Dichlorophenol	98	U
65-85-0	Benzoic Acid	620	U
120-82-1	1,2,4-Trichlorobenzene	160	U
91-20-3	Naphthalene	150	U
106-47-8	4-Chloroaniline	180	U
87-68-3	Hexachlorobutadiene	150	U
59-50-7	4-Chloro-3-methylphenol	120	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	35	U
88-06-2	2,4,6-Trichlorophenol	120	U
	2,4,5-Trichlorophenol	130	U
91-58-7	2-Chloronaphthalene	110	U
88-74-4	2-Nitroaniline	100	U
131-11-3	Dimethylphthalate	93	U
208-96-8	Acenaphthylene	120	U
606-20-2	2,6-Dinitrotoluene	140	U
99-09-2	3-Nitroaniline	150	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-19

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.20 R

Sample wt/vol: 20.6 (g/ml) G Lab File ID: BN1370.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 21.37 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/03/98

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	110	U
51-28-5	2,4-Dinitrophenol	620	U
132-64-9	Dibenzofuran	110	U
100-02-7	4-Nitrophenol	280	U
121-14-2	2,4-Dinitrotoluene	110	U
84-66-2	Diethylphthalate	130	U
86-73-7	Fluorene	120	U
7005-72-3	4-Chlorophenyl-phenylether	120	U
100-01-6	4-Nitroaniline	170	U
534-52-1	4,6-Dinitro-2-methylphenol	620	U
86-30-6	n-Nitrosodiphenylamine	110	U
103-33-3	Azobenzene	120	U
101-55-3	4-Bromophenyl-phenylether	110	U
118-74-1	Hexachlorobenzene	160	U
87-86-5	Pentachlorophenol	180	U
85-01-8	Phenanthrene	120	U
120-12-7	Anthracene	120	U
84-74-2	Di-n-butylphthalate	330	JB
206-44-0	Fluoranthene	120	U
92-87-5	Benzidine	560	U
129-00-0	Pyrene	64	J
85-68-7	Butylbenzylphthalate	150	U
56-55-3	Benzo[a]anthracene	120	U
91-94-1	3,3'-Dichlorobenzidine	210	U
218-01-9	Chrysene	150	U
117-81-7	bis(2-Ethylhexyl)phthalate	310	B
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo[b]fluoranthene	150	U
207-08-9	Benzo[k]fluoranthene	110	U
50-32-8	Benzo[a]pyrene	120	U
193-39-5	Indeno[1,2,3-cd]pyrene	130	U
53-70-3	Dibenz[a,h]anthracene	150	U
191-24-2	Benzo[g,h,i]perylene	150	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-19

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3424 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3424.20 R

Sample wt/vol: 20.6 (g/ml) G Lab File ID: BN1370.D

Level: (low/med) LOW Date Received: 03/20/98

% Moisture: 21.37 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/03/98

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	19.19	570	J
2. 002136-70-1	Ethanol, 2-(tetradecyloxy)-	26.18	870	JN
3. 000502-62-5	.Psi.,.psi.-Carotene, 7,7',8,8',11,1	27.13	690	JN
4. 019047-85-9	Phosphonic acid, dioctadecyl est	27.60	970	JN
5. 000629-96-9	1-Eicosanol	28.93	800	JN
6.	unknown	29.62	960	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-20

Lab Name: FMETL NJDEP:

Project: 13461 Case No: 3425 Location: 98-021 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.02

Sample wt/vol: 21.59 (g/ml) G Lab File ID: BN1371.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 13.78 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/03/98

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	160	U
62-75-9	N-nitroso-dimethylamine	110	U
62-53-3	Aniline	120	U
108-95-2	Phenol	180	U
111-44-4	bis(2-Chloroethyl)ether	110	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	110	U
106-46-7	1,4-Dichlorobenzene	160	U
100-51-6	Benzyl alcohol	140	U
95-50-1	1,2-Dichlorobenzene	130	U
	2-Methylphenol	110	U
108-60-1	bis(2-chloroisopropyl)ether	130	U
	4-Methylphenol	140	U
621-64-7	n-Nitroso-di-n-propylamine	130	U
67-72-1	Hexachloroethane	110	U
98-95-3	Nitrobenzene	140	U
78-59-1	Isophorone	140	U
88-75-5	2-Nitrophenol	90	U
105-67-9	2,4-Dimethylphenol	160	U
111-91-1	bis(2-Chloroethoxy)methane	64	U
120-83-2	2,4-Dichlorophenol	85	U
65-85-0	Benzoic Acid	540	U
120-82-1	1,2,4-Trichlorobenzene	140	U
91-20-3	Naphthalene	130	U
106-47-8	4-Chloroaniline	160	U
87-68-3	Hexachlorobutadiene	130	U
59-50-7	4-Chloro-3-methylphenol	100	U
91-57-6	2-Methylnaphthalene	150	U
77-47-4	Hexachlorocyclopentadiene	31	U
88-06-2	2,4,6-Trichlorophenol	100	U
	2,4,5-Trichlorophenol	110	U
91-58-7	2-Chloronaphthalene	95	U
88-74-4	2-Nitroaniline	89	U
131-11-3	Dimethylphthalate	81	U
208-96-8	Acenaphthylene	100	U
606-20-2	2,6-Dinitrotoluene	120	U
99-09-2	3-Nitroaniline	130	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-20

Lab Name: FMETL NJDEP:

Project: 13461 Case No: 3425 Location: 98-021 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.02

Sample wt/vol: 21.59 (g/ml) G Lab File ID: BN1371.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 13.78 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/03/98

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	94	U
51-28-5	2,4-Dinitrophenol	540	U
132-64-9	Dibenzofuran	100	U
100-02-7	4-Nitrophenol	250	U
121-14-2	2,4-Dinitrotoluene	100	U
84-66-2	Diethylphthalate	110	U
86-73-7	Fluorene	100	U
7005-72-3	4-Chlorophenyl-phenylether	100	U
100-01-6	4-Nitroaniline	150	U
534-52-1	4,6-Dinitro-2-methylphenol	540	U
86-30-6	n-Nitrosodiphenylamine	98	U
103-33-3	Azobenzene	100	U
101-55-3	4-Bromophenyl-phenylether	93	U
118-74-1	Hexachlorobenzene	140	U
87-86-5	Pentachlorophenol	160	U
85-01-8	Phenanthrene	100	U
120-12-7	Anthracene	100	U
84-74-2	Di-n-butylphthalate	340	JB
206-44-0	Fluoranthene	72	J
92-87-5	Benzidine	490	U
129-00-0	Pyrene	80	J
85-68-7	Butylbenzylphthalate	130	U
56-55-3	Benzo[a]anthracene	110	U
91-94-1	3,3'-Dichlorobenzidine	180	U
218-01-9	Chrysene	68	J
117-81-7	bis(2-Ethylhexyl)phthalate	390	B
117-84-0	Di-n-octylphthalate	150	U
205-99-2	Benzo[b]fluoranthene	130	U
207-08-9	Benzo[k]fluoranthene	57	J
50-32-8	Benzo[a]pyrene	100	U
193-39-5	Indeno[1,2,3-cd]pyrene	110	U
53-70-3	Dibenz[a,h]anthracene	130	U
191-24-2	Benzo[g,h,i]perylene	130	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-20

Lab Name: FMETL NJDEP:

Project: 13461 Case No: 3425 Location: 98-021 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.02

Sample wt/vol: 21.59 (g/ml) G Lab File ID: BN1371.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 13.78 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/03/98

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	19.19	610	J
2. 000629-96-9	1-Eicosanol	26.18	840	JN
3.	unknown	27.13	550	J
4. 000630-06-8	Hexatriacontane	27.58	740	JN
5. 000112-95-8	Eicosane	28.89	590	JN
6. 000629-76-5	1-Pentadecanol	28.93	700	JN
7.	unknown	29.62	780	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-21

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.04

Sample wt/vol: 21.09 (g/ml) G Lab File ID: BN1372.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 16.42 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 04/06/98

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	1700	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1900	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1700	U
100-51-6	Benzyl alcohol	1500	U
95-50-1	1,2-Dichlorobenzene	1300	U
	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1400	U
	4-Methylphenol	1500	U
621-64-7	n-Nitroso-di-n-propylamine	1400	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1500	U
78-59-1	Isophorone	1500	U
88-75-5	2-Nitrophenol	950	U
105-67-9	2,4-Dimethylphenol	1700	U
111-91-1	bis(2-Chloroethoxy)methane	680	U
120-83-2	2,4-Dichlorophenol	900	U
65-85-0	Benzoic Acid	5700	U
120-82-1	1,2,4-Trichlorobenzene	1500	U
91-20-3	Naphthalene	1400	U
106-47-8	4-Chloroaniline	1700	U
87-68-3	Hexachlorobutadiene	1400	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1500	U
77-47-4	Hexachlorocyclopentadiene	320	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	860	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-21

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.04

Sample wt/vol: 21.09 (g/ml) G Lab File ID: BN1372.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 16.42 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 04/06/98

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	990	U
51-28-5	2,4-Dinitrophenol	5700	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	2600	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-methylphenol	5700	U
86-30-6	n-Nitrosodiphenylamine	1000	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	980	U
118-74-1	Hexachlorobenzene	1500	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1100	JB
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	5100	U
129-00-0	Pyrene	750	J
85-68-7	Butylbenzylphthalate	1400	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	2000	U
218-01-9	Chrysene	740	J
117-81-7	bis(2-Ethylhexyl)phthalate	770	JB
117-84-0	Di-n-octylphthalate	1600	U
205-99-2	Benzo[b]fluoranthene	1400	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	790	J
193-39-5	Indeno[1,2,3-cd]pyrene	1200	U
53-70-3	Dibenz[a,h]anthracene	1400	U
191-24-2	Benzo[g,h,i]perylene	1400	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-21

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.04

Sample wt/vol: 21.09 (g/ml) G Lab File ID: BN1372.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 16.42 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 04/06/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-22

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.06

Sample wt/vol: 21.33 (g/ml) G Lab File ID: BN1373.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 16.17 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/98

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	170	U
62-75-9	N-nitroso-dimethylamine	110	U
62-53-3	Aniline	120	U
108-95-2	Phenol	190	U
111-44-4	bis(2-Chloroethyl)ether	120	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	120	U
106-46-7	1,4-Dichlorobenzene	160	U
100-51-6	Benzyl alcohol	150	U
95-50-1	1,2-Dichlorobenzene	130	U
	2-Methylphenol	110	U
108-60-1	bis(2-chloroisopropyl)ether	140	U
	4-Methylphenol	150	U
621-64-7	n-Nitroso-di-n-propylamine	140	U
67-72-1	Hexachloroethane	120	U
98-95-3	Nitrobenzene	150	U
78-59-1	Isophorone	140	U
88-75-5	2-Nitrophenol	94	U
105-67-9	2,4-Dimethylphenol	160	U
111-91-1	bis(2-Chloroethoxy)methane	67	U
120-83-2	2,4-Dichlorophenol	88	U
65-85-0	Benzoic Acid	560	U
120-82-1	1,2,4-Trichlorobenzene	150	U
91-20-3	Naphthalene	140	U
106-47-8	4-Chloroaniline	160	U
87-68-3	Hexachlorobutadiene	140	U
59-50-7	4-Chloro-3-methylphenol	110	U
91-57-6	2-Methylnaphthalene	150	U
77-47-4	Hexachlorocyclopentadiene	32	U
88-06-2	2,4,6-Trichlorophenol	110	U
	2,4,5-Trichlorophenol	120	U
91-58-7	2-Chloronaphthalene	99	U
88-74-4	2-Nitroaniline	93	U
131-11-3	Dimethylphthalate	84	U
208-96-8	Acenaphthylene	110	U
606-20-2	2,6-Dinitrotoluene	130	U
99-09-2	3-Nitroaniline	140	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-22

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.06

Sample wt/vol: 21.33 (g/ml) G Lab File ID: BN1373.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 16.17 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/98

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	98	U
51-28-5	2,4-Dinitrophenol	560	U
132-64-9	Dibenzofuran	100	U
100-02-7	4-Nitrophenol	260	U
121-14-2	2,4-Dinitrotoluene	100	U
84-66-2	Diethylphthalate	110	U
86-73-7	Fluorene	110	U
7005-72-3	4-Chlorophenyl-phenylether	110	U
100-01-6	4-Nitroaniline	160	U
534-52-1	4,6-Dinitro-2-methylphenol	560	U
86-30-6	n-Nitrosodiphenylamine	100	U
103-33-3	Azobenzene	110	U
101-55-3	4-Bromophenyl-phenylether	97	U
118-74-1	Hexachlorobenzene	150	U
87-86-5	Pentachlorophenol	160	U
85-01-8	Phenanthrene	120	
120-12-7	Anthracene	110	U
84-74-2	Di-n-butylphthalate	300	JB
206-44-0	Fluoranthene	170	
92-87-5	Benzidine	510	U
129-00-0	Pyrene	200	
85-68-7	Butylbenzylphthalate	140	U
56-55-3	Benzo[a]anthracene	88	J
91-94-1	3,3'-Dichlorobenzidine	190	U
218-01-9	Chrysene	160	
117-81-7	bis(2-Ethylhexyl)phthalate	110	JB
117-84-0	Di-n-octylphthalate	160	U
205-99-2	Benzo[b]fluoranthene	60	J
207-08-9	Benzo[k]fluoranthene	100	J
50-32-8	Benzo[a]pyrene	80	J
193-39-5	Indeno[1,2,3-cd]pyrene	110	U
53-70-3	Dibenz[a,h]anthracene	130	U
191-24-2	Benzo[g,h,i]perylene	63	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-22

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.06

Sample wt/vol: 21.33 (g/ml) G Lab File ID: BN1373.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 16.17 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/98

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. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.19	480	JN
2. 000072-54-8	1,1-Dichloro-2,2-bis(p-chlorophen	23.02	800	JN
3. 002461-18-9	Oxirane, [(dodecyloxy)methyl]-	26.19	1700	JN
4.	unknown	27.13	690	J
5. 000124-25-4	Tetradecanal	27.18	720	JN
6. 056554-89-3	14-Octadecenal	28.53	910	JN
7. 000646-31-1	Tetracosane	28.89	1100	JN
8.	unknown	28.95	810	J
9.	unknown	29.63	710	J
10.	unknown	30.29	460	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-23

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.08

Sample wt/vol: 20.27 (g/ml) G Lab File ID: BN1374.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 20.6 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/98

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	190	U
62-75-9	N-nitroso-dimethylamine	120	U
62-53-3	Aniline	140	U
108-95-2	Phenol	210	U
111-44-4	bis(2-Chloroethyl)ether	130	U
95-57-8	2-Chlorophenol	120	U
541-73-1	1,3-Dichlorobenzene	130	U
106-46-7	1,4-Dichlorobenzene	180	U
100-51-6	Benzyl alcohol	170	U
95-50-1	1,2-Dichlorobenzene	150	U
	2-Methylphenol	130	U
108-60-1	bis(2-chloroisopropyl)ether	160	U
	4-Methylphenol	170	U
621-64-7	n-Nitroso-di-n-propylamine	150	U
67-72-1	Hexachloroethane	130	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	160	U
88-75-5	2-Nitrophenol	100	U
105-67-9	2,4-Dimethylphenol	180	U
111-91-1	bis(2-Chloroethoxy)methane	74	U
120-83-2	2,4-Dichlorophenol	98	U
65-85-0	Benzoic Acid	620	U
120-82-1	1,2,4-Trichlorobenzene	160	U
91-20-3	Naphthalene	150	U
106-47-8	4-Chloroaniline	180	U
87-68-3	Hexachlorobutadiene	150	U
59-50-7	4-Chloro-3-methylphenol	120	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	35	U
88-06-2	2,4,6-Trichlorophenol	120	U
	2,4,5-Trichlorophenol	130	U
91-58-7	2-Chloronaphthalene	110	U
88-74-4	2-Nitroaniline	100	U
131-11-3	Dimethylphthalate	94	U
208-96-8	Acenaphthylene	120	U
606-20-2	2,6-Dinitrotoluene	140	U
99-09-2	3-Nitroaniline	160	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-23

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.08

Sample wt/vol: 20.27 (g/ml) G Lab File ID: BN1374.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 20.6 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/98

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	110	U
51-28-5	2,4-Dinitrophenol	620	U
132-64-9	Dibenzofuran	120	U
100-02-7	4-Nitrophenol	290	U
121-14-2	2,4-Dinitrotoluene	120	U
84-66-2	Diethylphthalate	130	U
86-73-7	Fluorene	68	J
7005-72-3	4-Chlorophenyl-phenylether	120	U
100-01-6	4-Nitroaniline	180	U
534-52-1	4,6-Dinitro-2-methylphenol	620	U
86-30-6	n-Nitrosodiphenylamine	110	U
103-33-3	Azobenzene	120	U
101-55-3	4-Bromophenyl-phenylether	110	U
118-74-1	Hexachlorobenzene	160	U
87-86-5	Pentachlorophenol	180	U
85-01-8	Phenanthrene	850	
120-12-7	Anthracene	120	
84-74-2	Di-n-butylphthalate	140	JB
206-44-0	Fluoranthene	1200	
92-87-5	Benzidine	560	U
129-00-0	Pyrene	1200	
85-68-7	Butylbenzylphthalate	160	U
56-55-3	Benzo[a]anthracene	540	
91-94-1	3,3'-Dichlorobenzidine	210	U
218-01-9	Chrysene	950	
117-81-7	bis(2-Ethylhexyl)phthalate	190	B
117-84-0	Di-n-octylphthalate	180	U
205-99-2	Benzo[b]fluoranthene	490	
207-08-9	Benzo[k]fluoranthene	420	
50-32-8	Benzo[a]pyrene	550	
193-39-5	Indeno[1,2,3-cd]pyrene	330	
53-70-3	Dibenz[a,h]anthracene	150	U
191-24-2	Benzo[g,h,i]perylene	340	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-23

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.08

Sample wt/vol: 20.27 (g/ml) G Lab File ID: BN1374.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 20.6 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/98

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. 000544-76-3	Hexadecane	26.20	790	JN
2.	unknown	27.14	640	J
3.	unknown	27.19	1300	J
4. 056554-89-3	14-Octadecenal	28.54	950	JN
5. 000629-78-7	Heptadecane	28.90	1200	JN
6. 000112-92-5	1-Octadecanol	28.95	740	JN
7.	unknown	29.63	710	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-24

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.10

Sample wt/vol: 20.52 (g/ml) G Lab File ID: BN1375.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 17.38 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/98

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	180	U
62-75-9	N-nitroso-dimethylamine	120	U
62-53-3	Aniline	130	U
108-95-2	Phenol	200	U
111-44-4	bis(2-Chloroethyl)ether	120	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	120	U
106-46-7	1,4-Dichlorobenzene	170	U
100-51-6	Benzyl alcohol	160	U
95-50-1	1,2-Dichlorobenzene	140	U
	2-Methylphenol	120	U
108-60-1	bis(2-chloroisopropyl)ether	150	U
	4-Methylphenol	160	U
621-64-7	n-Nitroso-di-n-propylamine	140	U
67-72-1	Hexachloroethane	120	U
98-95-3	Nitrobenzene	160	U
78-59-1	Isophorone	150	U
88-75-5	2-Nitrophenol	99	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	bis(2-Chloroethoxy)methane	70	U
120-83-2	2,4-Dichlorophenol	93	U
65-85-0	Benzoic Acid	590	U
120-82-1	1,2,4-Trichlorobenzene	150	U
91-20-3	Naphthalene	140	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	150	U
59-50-7	4-Chloro-3-methylphenol	120	U
91-57-6	2-Methylnaphthalene	160	U
77-47-4	Hexachlorocyclopentadiene	34	U
88-06-2	2,4,6-Trichlorophenol	110	U
	2,4,5-Trichlorophenol	120	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	98	U
131-11-3	Dimethylphthalate	89	U
208-96-8	Acenaphthylene	110	U
606-20-2	2,6-Dinitrotoluene	130	U
99-09-2	3-Nitroaniline	150	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-24

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.10

Sample wt/vol: 20.52 (g/ml) G Lab File ID: BN1375.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 17.38 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/98

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	U
51-28-5	2,4-Dinitrophenol	590	U
132-64-9	Dibenzofuran	110	U
100-02-7	4-Nitrophenol	270	U
121-14-2	2,4-Dinitrotoluene	110	U
84-66-2	Diethylphthalate	120	U
86-73-7	Fluorene	110	U
7005-72-3	4-Chlorophenyl-phenylether	110	U
100-01-6	4-Nitroaniline	170	U
534-52-1	4,6-Dinitro-2-methylphenol	590	U
86-30-6	n-Nitrosodiphenylamine	110	U
103-33-3	Azobenzene	110	U
101-55-3	4-Bromophenyl-phenylether	100	U
118-74-1	Hexachlorobenzene	160	U
87-86-5	Pentachlorophenol	170	U
85-01-8	Phenanthrene	80	J
120-12-7	Anthracene	110	U
84-74-2	Di-n-butylphthalate	130	JB
206-44-0	Fluoranthene	120	
92-87-5	Benzidine	530	U
129-00-0	Pyrene	150	
85-68-7	Butylbenzylphthalate	150	U
56-55-3	Benzo[a]anthracene	65	J
91-94-1	3,3'-Dichlorobenzidine	200	U
218-01-9	Chrysene	150	J
117-81-7	bis(2-Ethylhexyl)phthalate	200	B
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo[b]fluoranthene	68	J
207-08-9	Benzo[k]fluoranthene	81	J
50-32-8	Benzo[a]pyrene	60	J
193-39-5	Indeno[1,2,3-cd]pyrene	120	U
53-70-3	Dibenz[a,h]anthracene	140	U
191-24-2	Benzo[g,h,i]perylene	140	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-24

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.10

Sample wt/vol: 20.52 (g/ml) G Lab File ID: BN1375.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 17.38 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/98

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. 006624-79-9	1-Dotriacontanol	26.19	990	JN
2. 000502-62-5	.Psi.,.psi.-Carotene, 7,7',8,8',11,1	27.14	900	JN
3. 000630-06-8	Hexatriacontane	27.59	920	JN
4. 000630-06-8	Hexatriacontane	28.89	720	JN
5. 001454-84-8	1-Nonadecanol	28.94	560	JN
6.	unknown	29.63	660	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-25

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.12

Sample wt/vol: 21.93 (g/ml) G Lab File ID: BN1420.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 14.85 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/08/98

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	160	U
62-75-9	N-nitroso-dimethylamine	110	U
62-53-3	Aniline	120	U
108-95-2	Phenol	180	U
111-44-4	bis(2-Chloroethyl)ether	110	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	110	U
106-46-7	1,4-Dichlorobenzene	160	U
100-51-6	Benzyl alcohol	140	U
95-50-1	1,2-Dichlorobenzene	130	U
	2-Methylphenol	110	U
108-60-1	bis(2-chloroisopropyl)ether	130	U
	4-Methylphenol	140	U
621-64-7	n-Nitroso-di-n-propylamine	130	U
67-72-1	Hexachloroethane	110	U
98-95-3	Nitrobenzene	140	U
78-59-1	Isophorone	140	U
88-75-5	2-Nitrophenol	90	U
105-67-9	2,4-Dimethylphenol	160	U
111-91-1	bis(2-Chloroethoxy)methane	64	U
120-83-2	2,4-Dichlorophenol	85	U
65-85-0	Benzoic Acid	540	U
120-82-1	1,2,4-Trichlorobenzene	140	U
91-20-3	Naphthalene	82	J
106-47-8	4-Chloroaniline	160	U
87-68-3	Hexachlorobutadiene	130	U
59-50-7	4-Chloro-3-methylphenol	100	U
91-57-6	2-Methylnaphthalene	97	J
77-47-4	Hexachlorocyclopentadiene	31	U
88-06-2	2,4,6-Trichlorophenol	100	U
	2,4,5-Trichlorophenol	110	U
91-58-7	2-Chloronaphthalene	95	U
88-74-4	2-Nitroaniline	89	U
131-11-3	Dimethylphthalate	81	U
208-96-8	Acenaphthylene	480	
606-20-2	2,6-Dinitrotoluene	120	U
99-09-2	3-Nitroaniline	130	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-25

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.12

Sample wt/vol: 21.93 (g/ml) G Lab File ID: BN1420.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 14.85 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/08/98

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	94	U
51-28-5	2,4-Dinitrophenol	540	U
132-64-9	Dibenzofuran	100	U
100-02-7	4-Nitrophenol	250	U
121-14-2	2,4-Dinitrotoluene	100	U
84-66-2	Diethylphthalate	110	U
86-73-7	Fluorene	250	
7005-72-3	4-Chlorophenyl-phenylether	100	U
100-01-6	4-Nitroaniline	150	U
534-52-1	4,6-Dinitro-2-methylphenol	540	U
86-30-6	n-Nitrosodiphenylamine	98	U
103-33-3	Azobenzene	100	U
101-55-3	4-Bromophenyl-phenylether	93	U
118-74-1	Hexachlorobenzene	140	U
87-86-5	Pentachlorophenol	160	U
85-01-8	Phenanthrene	2100	
120-12-7	Anthracene	540	
84-74-2	Di-n-butylphthalate	99	JB
206-44-0	Fluoranthene	3700	
92-87-5	Benzidine	490	U
129-00-0	Pyrene	3800	
85-68-7	Butylbenzylphthalate	130	U
56-55-3	Benzo[a]anthracene	1900	
91-94-1	3,3'-Dichlorobenzidine	180	U
218-01-9	Chrysene	3200	
117-81-7	bis(2-Ethylhexyl)phthalate	55	JB
117-84-0	Di-n-octylphthalate	150	U.
205-99-2	Benzo[b]fluoranthene	1100	
207-08-9	Benzo[k]fluoranthene	1900	
50-32-8	Benzo[a]pyrene	1900	
193-39-5	Indeno[1,2,3-cd]pyrene	890	
53-70-3	Dibenz[a,h]anthracene	620	
191-24-2	Benzo[g,h,i]perylene	1000	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-25

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.12

Sample wt/vol: 21.93 (g/ml) G Lab File ID: BN1420.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 14.85 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/08/98

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.	000610-48-0	Anthracene, 1-methyl-	19.59	500	JN
2.	000613-12-7	Anthracene, 2-methyl-	19.65	570	JN
3.	000203-64-5	4H-Cyclopenta[def]phenanthrene	19.83	740	JN
4.	003674-66-6	Phenanthrene, 2,5-dimethyl-	20.93	470	JN
5.	000206-44-0	Fluoranthene	21.45	530	JN
6.	000502-62-5	.Psi.,.psi.-Carotene, 7,7',8,8',11,1	27.13	610	JN
7.	000192-97-2	Benzo[e]pyrene	27.57	1300	JN
8.	000295-17-0	Cyclotetradecane	28.93	550	JN
9.		unknown	29.61	530	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-26

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.14

Sample wt/vol: 21.56 (g/ml) G Lab File ID: BN1390.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 18 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	170	U
62-75-9	N-nitroso-dimethylamine	110	U
62-53-3	Aniline	120	U
108-95-2	Phenol	190	U
111-44-4	bis(2-Chloroethyl)ether	120	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	120	U
106-46-7	1,4-Dichlorobenzene	170	U
100-51-6	Benzyl alcohol	150	U
95-50-1	1,2-Dichlorobenzene	130	U
	2-Methylphenol	120	U
108-60-1	bis(2-chloroisopropyl)ether	140	U
	4-Methylphenol	150	U
621-64-7	n-Nitroso-di-n-propylamine	140	U
67-72-1	Hexachloroethane	120	U
98-95-3	Nitrobenzene	150	U
78-59-1	Isophorone	140	U
88-75-5	2-Nitrophenol	95	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	bis(2-Chloroethoxy)methane	67	U
120-83-2	2,4-Dichlorophenol	89	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	150	U
91-20-3	Naphthalene	140	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	140	U
59-50-7	4-Chloro-3-methylphenol	110	U
91-57-6	2-Methylnaphthalene	150	U
77-47-4	Hexachlorocyclopentadiene	32	U
88-06-2	2,4,6-Trichlorophenol	110	U
	2,4,5-Trichlorophenol	120	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	94	U
131-11-3	Dimethylphthalate	85	U
208-96-8	Acenaphthylene	110	U
606-20-2	2,6-Dinitrotoluene	130	U
99-09-2	3-Nitroaniline	140	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-26

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.14

Sample wt/vol: 21.56 (g/ml) G Lab File ID: BN1390.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 18 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	99	U
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	110	U
100-02-7	4-Nitrophenol	260	U
121-14-2	2,4-Dinitrotoluene	110	U
84-66-2	Diethylphthalate	110	U
86-73-7	Fluorene	110	U
7005-72-3	4-Chlorophenyl-phenylether	110	U
100-01-6	4-Nitroaniline	160	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	100	U
103-33-3	Azobenzene	110	U
101-55-3	4-Bromophenyl-phenylether	98	U
118-74-1	Hexachlorobenzene	150	U
87-86-5	Pentachlorophenol	170	U
85-01-8	Phenanthrene	70	J
120-12-7	Anthracene	110	U
84-74-2	Di-n-butylphthalate	120	JB
206-44-0	Fluoranthene	67	J
92-87-5	Benzidine	510	U
129-00-0	Pyrene	96	J
85-68-7	Butylbenzylphthalate	140	U
56-55-3	Benzo[a]anthracene	110	U
91-94-1	3,3'-Dichlorobenzidine	190	U
218-01-9	Chrysene	99	J
117-81-7	bis(2-Ethylhexyl)phthalate	89	JB
117-84-0	Di-n-octylphthalate	160	U
205-99-2	Benzo[b]fluoranthene	140	U
207-08-9	Benzo[k]fluoranthene	100	U
50-32-8	Benzo[a]pyrene	110	U
193-39-5	Indeno[1,2,3-cd]pyrene	120	U
53-70-3	Dibenz[a,h]anthracene	140	U
191-24-2	Benzo[g,h,i]perylene	140	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-26

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.14

Sample wt/vol: 21.56 (g/ml) G Lab File ID: BN1390.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 18 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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.	unknown	4.86	460	J
2.	unknown	27.13	740	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-27

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.16

Sample wt/vol: 20.67 (g/ml) G Lab File ID: BN1391.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 15.69 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	170	U
62-75-9	N-nitroso-dimethylamine	110	U
62-53-3	Aniline	130	U
108-95-2	Phenol	190	U
111-44-4	bis(2-Chloroethyl)ether	120	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	120	U
106-46-7	1,4-Dichlorobenzene	170	U
100-51-6	Benzyl alcohol	150	U
95-50-1	1,2-Dichlorobenzene	140	U
	2-Methylphenol	120	U
108-60-1	bis(2-chloroisopropyl)ether	140	U
	4-Methylphenol	150	U
621-64-7	n-Nitroso-di-n-propylamine	140	U
67-72-1	Hexachloroethane	120	U
98-95-3	Nitrobenzene	150	U
78-59-1	Isophorone	150	U
88-75-5	2-Nitrophenol	96	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	bis(2-Chloroethoxy)methane	68	U
120-83-2	2,4-Dichlorophenol	91	U
65-85-0	Benzoic Acid	570	U
120-82-1	1,2,4-Trichlorobenzene	150	U
91-20-3	Naphthalene	140	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	140	U
59-50-7	4-Chloro-3-methylphenol	110	U
91-57-6	2-Methylnaphthalene	160	U
77-47-4	Hexachlorocyclopentadiene	33	U
88-06-2	2,4,6-Trichlorophenol	110	U
	2,4,5-Trichlorophenol	120	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	95	U
131-11-3	Dimethylphthalate	87	U
208-96-8	Acenaphthylene	110	U
606-20-2	2,6-Dinitrotoluene	130	U
99-09-2	3-Nitroaniline	140	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-27

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.16

Sample wt/vol: 20.67 (g/ml) G Lab File ID: BN1391.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 15.69 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	U
51-28-5	2,4-Dinitrophenol	570	U
132-64-9	Dibenzofuran	110	U
100-02-7	4-Nitrophenol	260	U
121-14-2	2,4-Dinitrotoluene	110	U
84-66-2	Diethylphthalate	120	U
86-73-7	Fluorene	110	U
7005-72-3	4-Chlorophenyl-phenylether	110	U
100-01-6	4-Nitroaniline	160	U
534-52-1	4,6-Dinitro-2-methylphenol	570	U
86-30-6	n-Nitrosodiphenylamine	110	U
103-33-3	Azobenzene	110	U
101-55-3	4-Bromophenyl-phenylether	99	U
118-74-1	Hexachlorobenzene	150	U
87-86-5	Pentachlorophenol	170	U
85-01-8	Phenanthrene	110	U
120-12-7	Anthracene	110	U
84-74-2	Di-n-butylphthalate	140	JB
206-44-0	Fluoranthene	64	J
92-87-5	Benzidine	520	U
129-00-0	Pyrene	68	J
85-68-7	Butylbenzylphthalate	140	U
56-55-3	Benzo[a]anthracene	110	U
91-94-1	3,3'-Dichlorobenzidine	200	U
218-01-9	Chrysene	66	J
117-81-7	bis(2-Ethylhexyl)phthalate	93	JB
117-84-0	Di-n-octylphthalate	160	U
205-99-2	Benzo[b]fluoranthene	140	U
207-08-9	Benzo[k]fluoranthene	100	U
50-32-8	Benzo[a]pyrene	110	U
193-39-5	Indeno[1,2,3-cd]pyrene	120	U
53-70-3	Dibenz[a,h]anthracene	140	U
191-24-2	Benzo[g,h,i]perylene	140	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-27

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.16

Sample wt/vol: 20.67 (g/ml) G Lab File ID: BN1391.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 15.69 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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.	unknown	27.13	2500	J
2.	unknown	29.62	480	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-28

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.18

Sample wt/vol: 20.76 (g/ml) G Lab File ID: BN1392.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 14.15 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	170	U
62-75-9	N-nitroso-dimethylamine	110	U
62-53-3	Aniline	120	U
108-95-2	Phenol	190	U
111-44-4	bis(2-Chloroethyl)ether	120	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	120	U
106-46-7	1,4-Dichlorobenzene	160	U
100-51-6	Benzyl alcohol	150	U
95-50-1	1,2-Dichlorobenzene	130	U
	2-Methylphenol	120	U
108-60-1	bis(2-chloroisopropyl)ether	140	U
	4-Methylphenol	150	U
621-64-7	n-Nitroso-di-n-propylamine	140	U
67-72-1	Hexachloroethane	120	U
98-95-3	Nitrobenzene	150	U
78-59-1	Isophorone	140	U
88-75-5	2-Nitrophenol	94	U
105-67-9	2,4-Dimethylphenol	160	U
111-91-1	bis(2-Chloroethoxy)methane	67	U
120-83-2	2,4-Dichlorophenol	89	U
65-85-0	Benzoic Acid	560	U
120-82-1	1,2,4-Trichlorobenzene	150	U
91-20-3	Naphthalene	140	U
106-47-8	4-Chloroaniline	160	U
87-68-3	Hexachlorobutadiene	140	U
59-50-7	4-Chloro-3-methylphenol	110	U
91-57-6	2-Methylnaphthalene	150	U
77-47-4	Hexachlorocyclopentadiene	32	U
88-06-2	2,4,6-Trichlorophenol	110	U
	2,4,5-Trichlorophenol	120	U
91-58-7	2-Chloronaphthalene	99	U
88-74-4	2-Nitroaniline	93	U
131-11-3	Dimethylphthalate	85	U
208-96-8	Acenaphthylene	110	U
606-20-2	2,6-Dinitrotoluene	130	U
99-09-2	3-Nitroaniline	140	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-28

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.18

Sample wt/vol: 20.76 (g/ml) G Lab File ID: BN1392.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 14.15 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	98	U
51-28-5	2,4-Dinitrophenol	560	U
132-64-9	Dibenzofuran	100	U
100-02-7	4-Nitrophenol	260	U
121-14-2	2,4-Dinitrotoluene	100	U
84-66-2	Diethylphthalate	110	U
86-73-7	Fluorene	110	U
7005-72-3	4-Chlorophenyl-phenylether	110	U
100-01-6	4-Nitroaniline	160	U
534-52-1	4,6-Dinitro-2-methylphenol	560	U
86-30-6	n-Nitrosodiphenylamine	100	U
103-33-3	Azobenzene	110	U
101-55-3	4-Bromophenyl-phenylether	97	U
118-74-1	Hexachlorobenzene	150	U
87-86-5	Pentachlorophenol	170	U
85-01-8	Phenanthrene	110	U
120-12-7	Anthracene	110	U
84-74-2	Di-n-butylphthalate	130	JB
206-44-0	Fluoranthene	110	U
92-87-5	Benzidine	510	U
129-00-0	Pyrene	130	U
85-68-7	Butylbenzylphthalate	140	U
56-55-3	Benzo[a]anthracene	110	U
91-94-1	3,3'-Dichlorobenzidine	190	U
218-01-9	Chrysene	140	U
117-81-7	bis(2-Ethylhexyl)phthalate	110	JB
117-84-0	Di-n-octylphthalate	160	U
205-99-2	Benzo[b]fluoranthene	140	U
207-08-9	Benzo[k]fluoranthene	100	U
50-32-8	Benzo[a]pyrene	100	U
193-39-5	Indeno[1,2,3-cd]pyrene	110	U
53-70-3	Dibenz[a,h]anthracene	130	U
191-24-2	Benzo[g,h,i]perylene	130	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-28

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.18

Sample wt/vol: 20.76 (g/ml) G Lab File ID: BN1392.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 14.15 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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.	unknown	4.86	450	J
2. 002461-18-9	Oxirane, [(dodecyloxy)methyl]-	26.19	480	JN
3. 000502-62-5	.Psi.,.psi.-Carotene, 7,7',8,8',11,1	27.14	5300	JN
4.	unknown	29.61	590	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-29**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.20

Sample wt/vol: 19.89 (g/ml) G Lab File ID: BN1393.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 18.12 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	180	U
62-75-9	N-nitroso-dimethylamine	120	U
62-53-3	Aniline	130	U
108-95-2	Phenol	200	U
111-44-4	bis(2-Chloroethyl)ether	130	U
95-57-8	2-Chlorophenol	120	U
541-73-1	1,3-Dichlorobenzene	130	U
106-46-7	1,4-Dichlorobenzene	180	U
100-51-6	Benzyl alcohol	160	U
95-50-1	1,2-Dichlorobenzene	140	U
	2-Methylphenol	130	U
108-60-1	bis(2-chloroisopropyl)ether	150	U
	4-Methylphenol	160	U
621-64-7	n-Nitroso-di-n-propylamine	150	U
67-72-1	Hexachloroethane	130	U
98-95-3	Nitrobenzene	160	U
78-59-1	Isophorone	160	U
88-75-5	2-Nitrophenol	100	U
105-67-9	2,4-Dimethylphenol	180	U
111-91-1	bis(2-Chloroethoxy)methane	73	U
120-83-2	2,4-Dichlorophenol	97	U
65-85-0	Benzoic Acid	610	U
120-82-1	1,2,4-Trichlorobenzene	160	U
91-20-3	Naphthalene	150	U
106-47-8	4-Chloroaniline	180	U
87-68-3	Hexachlorobutadiene	150	U
59-50-7	4-Chloro-3-methylphenol	120	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	35	U
88-06-2	2,4,6-Trichlorophenol	120	U
	2,4,5-Trichlorophenol	130	U
91-58-7	2-Chloronaphthalene	110	U
88-74-4	2-Nitroaniline	100	U
131-11-3	Dimethylphthalate	93	U
208-96-8	Acenaphthylene	120	U
606-20-2	2,6-Dinitrotoluene	140	U
99-09-2	3-Nitroaniline	150	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-29

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.20

Sample wt/vol: 19.89 (g/ml) G Lab File ID: BN1393.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 18.12 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	110	U
51-28-5	2,4-Dinitrophenol	610	U
132-64-9	Dibenzofuran	110	U
100-02-7	4-Nitrophenol	280	U
121-14-2	2,4-Dinitrotoluene	110	U
84-66-2	Diethylphthalate	120	U
86-73-7	Fluorene	120	U
7005-72-3	4-Chlorophenyl-phenylether	120	U
100-01-6	4-Nitroaniline	170	U
534-52-1	4,6-Dinitro-2-methylphenol	610	U
86-30-6	n-Nitrosodiphenylamine	110	U
103-33-3	Azobenzene	120	U
101-55-3	4-Bromophenyl-phenylether	110	U
118-74-1	Hexachlorobenzene	160	U
87-86-5	Pentachlorophenol	180	U
85-01-8	Phenanthrene	120	U
120-12-7	Anthracene	120	U
84-74-2	Di-n-butylphthalate	140	JB
206-44-0	Fluoranthene	120	U
92-87-5	Benzidine	560	U
129-00-0	Pyrene	140	U
85-68-7	Butylbenzylphthalate	150	U
56-55-3	Benzo[a]anthracene	120	U
91-94-1	3,3'-Dichlorobenzidine	210	U
218-01-9	Chrysene	150	U
117-81-7	bis(2-Ethylhexyl)phthalate	150	JB
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo[b]fluoranthene	150	U
207-08-9	Benzo[k]fluoranthene	110	U
50-32-8	Benzo[a]pyrene	110	U
193-39-5	Indeno[1,2,3-cd]pyrene	130	U
53-70-3	Dibenz[a,h]anthracene	150	U
191-24-2	Benzo[g,h,i]perylene	150	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-29

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.20

Sample wt/vol: 19.89 (g/ml) G Lab File ID: BN1393.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 18.12 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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.	unknown	4.86	520	J
2. 000502-62-5	.Psi.,.psi.-Carotene, 7,7',8,8',11,1	27.13	3100	JN
3. 000629-96-9	1-Eicosanol	28.94	540	JN
4.	unknown	29.62	630	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-30

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.22

Sample wt/vol: 19.52 (g/ml) G Lab File ID: BN1396.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 12.98 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	180	U
62-75-9	N-nitroso-dimethylamine	120	U
62-53-3	Aniline	130	U
108-95-2	Phenol	200	U
111-44-4	bis(2-Chloroethyl)ether	120	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	120	U
106-46-7	1,4-Dichlorobenzene	170	U
100-51-6	Benzyl alcohol	160	U
95-50-1	1,2-Dichlorobenzene	140	U
	2-Methylphenol	120	U
108-60-1	bis(2-chloroisopropyl)ether	150	U
	4-Methylphenol	160	U
621-64-7	n-Nitroso-di-n-propylamine	140	U
67-72-1	Hexachloroethane	120	U
98-95-3	Nitrobenzene	160	U
78-59-1	Isophorone	150	U
88-75-5	2-Nitrophenol	99	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	bis(2-Chloroethoxy)methane	70	U
120-83-2	2,4-Dichlorophenol	93	U
65-85-0	Benzoic Acid	590	U
120-82-1	1,2,4-Trichlorobenzene	150	U
91-20-3	Naphthalene	140	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	150	U
59-50-7	4-Chloro-3-methylphenol	110	U
91-57-6	2-Methylnaphthalene	160	U
77-47-4	Hexachlorocyclopentadiene	34	U
88-06-2	2,4,6-Trichlorophenol	110	U
	2,4,5-Trichlorophenol	120	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	98	U
131-11-3	Dimethylphthalate	89	U
208-96-8	Acenaphthylene	110	U
606-20-2	2,6-Dinitrotoluene	130	U
99-09-2	3-Nitroaniline	150	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-30

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.22

Sample wt/vol: 19.52 (g/ml) G Lab File ID: BN1396.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 12.98 decanted:(Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	U
51-28-5	2,4-Dinitrophenol	590	U
132-64-9	Dibenzofuran	110	U
100-02-7	4-Nitrophenol	270	U
121-14-2	2,4-Dinitrotoluene	110	U
84-66-2	Diethylphthalate	120	U
86-73-7	Fluorene	110	U
7005-72-3	4-Chlorophenyl-phenylether	110	U
100-01-6	4-Nitroaniline	170	U
534-52-1	4,6-Dinitro-2-methylphenol	590	U
86-30-6	n-Nitrosodiphenylamine	110	U
103-33-3	Azobenzene	110	U
101-55-3	4-Bromophenyl-phenylether	100	U
118-74-1	Hexachlorobenzene	160	U
87-86-5	Pentachlorophenol	170	U
85-01-8	Phenanthrene	150	
120-12-7	Anthracene	110	U
84-74-2	Di-n-butylphthalate	1600	B
206-44-0	Fluoranthene	210	
92-87-5	Benzidine	530	U
129-00-0	Pyrene	240	
85-68-7	Butylbenzylphthalate	150	U
56-55-3	Benzo[a]anthracene	97	J
91-94-1	3,3'-Dichlorobenzidine	200	U
218-01-9	Chrysene	330	
117-81-7	bis(2-Ethylhexyl)phthalate	110	JB
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo[b]fluoranthene	91	J
207-08-9	Benzo[k]fluoranthene	160	
50-32-8	Benzo[a]pyrene	110	J
193-39-5	Indeno[1,2,3-cd]pyrene	75	J
53-70-3	Dibenz[a,h]anthracene	140	U
191-24-2	Benzo[g,h,i]perylene	85	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-30

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3425 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3425.22

Sample wt/vol: 19.52 (g/ml) G Lab File ID: BN1396.D

Level: (low/med) LOW Date Received: 03/23/98

% Moisture: 12.98 decanted: (Y/N) N Date Extracted: 03/24/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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.		unknown	4.84	730	J
2.		unknown	19.19	720	J
3.		unknown	26.18	1600	J
4.	000502-62-5	.Psi.,.psi.-Carotene, 7,7',8,8',11,1	27.13	2200	JN
5.	000638-66-4	Octadecanal	27.18	2000	JN
6.	000506-52-5	1-Hexacosanol	27.60	3300	JN
7.	056554-89-3	14-Octadecenal	28.53	720	JN
8.	000646-31-1	Tetracosane	28.88	1200	JN
9.		unknown	28.94	930	J
10.		unknown	29.62	950	J
11.		unknown	29.88	570	J
12.	000112-95-8	Eicosane	30.28	520	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-31

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.02

Sample wt/vol: 11.11 (g/ml) G Lab File ID: BN1400.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 16.22 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	320	U
62-75-9	N-nitroso-dimethylamine	210	U
62-53-3	Aniline	230	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	230	U
95-57-8	2-Chlorophenol	210	U
541-73-1	1,3-Dichlorobenzene	220	U
106-46-7	1,4-Dichlorobenzene	310	U
100-51-6	Benzyl alcohol	290	U
95-50-1	1,2-Dichlorobenzene	250	U
	2-Methylphenol	220	U
108-60-1	bis(2-chloroisopropyl)ether	270	U
	4-Methylphenol	290	U
621-64-7	n-Nitroso-di-n-propylamine	260	U
67-72-1	Hexachloroethane	230	U
98-95-3	Nitrobenzene	290	U
78-59-1	Isophorone	280	U
88-75-5	2-Nitrophenol	180	U
105-67-9	2,4-Dimethylphenol	310	U
111-91-1	bis(2-Chloroethoxy)methane	130	U
120-83-2	2,4-Dichlorophenol	170	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	280	U
91-20-3	Naphthalene	260	U
106-47-8	4-Chloroaniline	310	U
87-68-3	Hexachlorobutadiene	270	U
59-50-7	4-Chloro-3-methylphenol	210	U
91-57-6	2-Methylnaphthalene	290	U
77-47-4	Hexachlorocyclopentadiene	61	U
88-06-2	2,4,6-Trichlorophenol	200	U
	2,4,5-Trichlorophenol	230	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	180	U
131-11-3	Dimethylphthalate	160	U
208-96-8	Acenaphthylene	210	U
606-20-2	2,6-Dinitrotoluene	240	U
99-09-2	3-Nitroaniline	270	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-31

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.02

Sample wt/vol: 11.11 (g/ml) G Lab File ID: BN1400.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 16.22 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	190	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	200	U
100-02-7	4-Nitrophenol	490	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	220	U
86-73-7	Fluorene	210	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
100-01-6	4-Nitroaniline	300	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	200	U
103-33-3	Azobenzene	210	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	280	U
87-86-5	Pentachlorophenol	320	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	210	U
84-74-2	Di-n-butylphthalate	1400	B
206-44-0	Fluoranthene	170	J
92-87-5	Benzidine	970	U
129-00-0	Pyrene	220	J
85-68-7	Butylbenzylphthalate	270	U
56-55-3	Benzo[a]anthracene	210	U
91-94-1	3,3'-Dichlorobenzidine	370	U
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)phthalate	260	JB
117-84-0	Di-n-octylphthalate	300	U
205-99-2	Benzo[b]fluoranthene	260	U
207-08-9	Benzo[k]fluoranthene	180	J
50-32-8	Benzo[a]pyrene	200	U
193-39-5	Indeno[1,2,3-cd]pyrene	220	U
53-70-3	Dibenz[a,h]anthracene	260	U
191-24-2	Benzo[g,h,i]perylene	260	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-31

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.02

Sample wt/vol: 11.11 (g/ml) G Lab File ID: BN1400.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 16.22 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	4.85	1200	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.19	2200	JN
3.	unknown	26.19	2300	J
4.	unknown	27.17	1600	J
5. 000630-06-8	Hexatriacontane	27.59	3600	JN
6. 000629-97-0	Docosane	28.89	2400	JN
7. 000112-95-8	Eicosane	30.29	1300	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-32

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.04

Sample wt/vol: 10.6 (g/ml) G Lab File ID: BN1403.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 20.72 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	360	U
62-75-9	N-nitroso-dimethylamine	240	U
62-53-3	Aniline	260	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	250	U
95-57-8	2-Chlorophenol	230	U
541-73-1	1,3-Dichlorobenzene	250	U
106-46-7	1,4-Dichlorobenzene	350	U
100-51-6	Benzyl alcohol	320	U
95-50-1	1,2-Dichlorobenzene	280	U
	2-Methylphenol	240	U
108-60-1	bis(2-chloroisopropyl)ether	300	U
	4-Methylphenol	320	U
621-64-7	n-Nitroso-di-n-propylamine	290	U
67-72-1	Hexachloroethane	250	U
98-95-3	Nitrobenzene	320	U
78-59-1	Isophorone	300	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	140	U
120-83-2	2,4-Dichlorophenol	190	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	310	U
91-20-3	Naphthalene	290	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	300	U
59-50-7	4-Chloro-3-methylphenol	230	U
91-57-6	2-Methylnaphthalene	320	U
77-47-4	Hexachlorocyclopentadiene	68	U
88-06-2	2,4,6-Trichlorophenol	220	U
	2,4,5-Trichlorophenol	250	U
91-58-7	2-Chloronaphthalene	210	U
88-74-4	2-Nitroaniline	200	U
131-11-3	Dimethylphthalate	180	U
208-96-8	Acenaphthylene	320	
606-20-2	2,6-Dinitrotoluene	270	U
99-09-2	3-Nitroaniline	300	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-32

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.04

Sample wt/vol: 10.6 (g/ml) G Lab File ID: BN1403.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 20.72 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	210	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	220	U
100-02-7	4-Nitrophenol	550	U
121-14-2	2,4-Dinitrotoluene	220	U
84-66-2	Diethylphthalate	120	J
86-73-7	Fluorene	230	U
7005-72-3	4-Chlorophenyl-phenylether	220	U
100-01-6	4-Nitroaniline	340	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	220	U
103-33-3	Azobenzene	230	U
101-55-3	4-Bromophenyl-phenylether	210	U
118-74-1	Hexachlorobenzene	310	U
87-86-5	Pentachlorophenol	350	U
85-01-8	Phenanthrene	700	
120-12-7	Anthracene	170	J
84-74-2	Di-n-butylphthalate	4300	B
206-44-0	Fluoranthene	720	
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1300	
85-68-7	Butylbenzylphthalate	300	U
56-55-3	Benzo[a]anthracene	690	
91-94-1	3,3'-Dichlorobenzidine	410	U
218-01-9	Chrysene	1300	
117-81-7	bis(2-Ethylhexyl)phthalate	630	B
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo[b]fluoranthene	470	
207-08-9	Benzo[k]fluoranthene	580	
50-32-8	Benzo[a]pyrene	830	
193-39-5	Indeno[1,2,3-cd]pyrene	390	
53-70-3	Dibenz[a,h]anthracene	280	U
191-24-2	Benzo[g,h,i]perylene	550	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-32

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.04

Sample wt/vol: 10.6 (g/ml) G Lab File ID: BN1403.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 20.72 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 14 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	4.86	1100	J
2.	000102-76-1	Triacetin	13.16	2600	JN
3.	000629-78-7	Heptadecane	17.36	1300	JN
4.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.21	11000	JN
5.	000629-92-5	Nonadecane	19.45	1000	JN
6.	000112-95-8	Eicosane	20.41	1100	JN
7.	000629-92-5	Nonadecane	21.35	1500	JN
8.	000112-95-8	Eicosane	23.08	1400	JN
9.	000629-78-7	Heptadecane	26.19	1700	JN
10.		unknown	27.13	2300	J
11.	000638-66-4	Octadecanal	27.18	2000	JN
12.	000629-94-7	Heneicosane	28.89	4800	JN
13.	000057-88-5	Cholesterol	29.21	2200	JN
14.	000629-94-7	Heneicosane	30.29	1800	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-33

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.06

Sample wt/vol: 10.04 (g/ml) G Lab File ID: BN1418.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 17.99 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/08/98

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	360	U
62-75-9	N-nitroso-dimethylamine	240	U
62-53-3	Aniline	260	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	260	U
95-57-8	2-Chlorophenol	230	U
541-73-1	1,3-Dichlorobenzene	250	U
106-46-7	1,4-Dichlorobenzene	350	U
100-51-6	Benzyl alcohol	320	U
95-50-1	1,2-Dichlorobenzene	290	U
	2-Methylphenol	250	U
108-60-1	bis(2-chloroisopropyl)ether	300	U
	4-Methylphenol	320	U
621-64-7	n-Nitroso-di-n-propylamine	300	U
67-72-1	Hexachloroethane	260	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	310	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	140	U
120-83-2	2,4-Dichlorophenol	190	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	320	U
91-20-3	Naphthalene	300	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	300	U
59-50-7	4-Chloro-3-methylphenol	240	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	69	U
88-06-2	2,4,6-Trichlorophenol	230	U
	2,4,5-Trichlorophenol	260	U
91-58-7	2-Chloronaphthalene	210	U
88-74-4	2-Nitroaniline	200	U
131-11-3	Dimethylphthalate	180	U
208-96-8	Acenaphthylene	280	
606-20-2	2,6-Dinitrotoluene	280	U
99-09-2	3-Nitroaniline	300	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-33

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.06

Sample wt/vol: 10.04 (g/ml) G Lab File ID: BN1418.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 17.99 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/08/98

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	210	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	230	U
100-02-7	4-Nitrophenol	560	U
121-14-2	2,4-Dinitrotoluene	230	U
84-66-2	Diethylphthalate	250	U
86-73-7	Fluorene	230	U
7005-72-3	4-Chlorophenyl-phenylether	230	U
100-01-6	4-Nitroaniline	340	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	220	U
103-33-3	Azobenzene	230	U
101-55-3	4-Bromophenyl-phenylether	210	U
118-74-1	Hexachlorobenzene	320	U
87-86-5	Pentachlorophenol	360	U
85-01-8	Phenanthrene	580	
120-12-7	Anthracene	160	J
84-74-2	Di-n-butylphthalate	790	JB
206-44-0	Fluoranthene	800	
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1500	
85-68-7	Butylbenzylphthalate	300	U
56-55-3	Benzo[a]anthracene	700	
91-94-1	3,3'-Dichlorobenzidine	420	U
218-01-9	Chrysene	1400	
117-81-7	bis(2-Ethylhexyl)phthalate	360	B
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo[b]fluoranthene	380	
207-08-9	Benzo[k]fluoranthene	750	
50-32-8	Benzo[a]pyrene	840	
193-39-5	Indeno[1,2,3-cd]pyrene	470	
53-70-3	Dibenz[a,h]anthracene	290	U
191-24-2	Benzo[g,h,i]perylene	600	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-33

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.06

Sample wt/vol: 10.04 (g/ml) G Lab File ID: BN1418.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 17.99 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/08/98

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	4.87	1400	J
2.	unknown	19.19	1200	J
3. 000502-62-5	.Psi.,.psi.-Carotene, 7,7',8,8',11,1	27.12	1200	JN
4. 000544-76-3	Hexadecane	27.58	3200	JN
5. 000646-31-1	Tetracosane	28.87	1700	JN
6.	unknown	28.93	1300	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-34

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.08

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BN1419.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 18 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/08/98

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	360	U
62-75-9	N-nitroso-dimethylamine	240	U
62-53-3	Aniline	260	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	250	U
95-57-8	2-Chlorophenol	230	U
541-73-1	1,3-Dichlorobenzene	250	U
106-46-7	1,4-Dichlorobenzene	350	U
100-51-6	Benzyl alcohol	320	U
95-50-1	1,2-Dichlorobenzene	280	U
	2-Methylphenol	240	U
108-60-1	bis(2-chloroisopropyl)ether	300	U
	4-Methylphenol	320	U
621-64-7	n-Nitroso-di-n-propylamine	290	U
67-72-1	Hexachloroethane	250	U
98-95-3	Nitrobenzene	320	U
78-59-1	Isophorone	310	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	140	U
120-83-2	2,4-Dichlorophenol	190	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	310	U
91-20-3	Naphthalene	290	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	300	U
59-50-7	4-Chloro-3-methylphenol	230	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	68	U
88-06-2	2,4,6-Trichlorophenol	220	U
	2,4,5-Trichlorophenol	250	U
91-58-7	2-Chloronaphthalene	210	U
88-74-4	2-Nitroaniline	200	U
131-11-3	Dimethylphthalate	180	U
208-96-8	Acenaphthylene	230	U
606-20-2	2,6-Dinitrotoluene	270	U
99-09-2	3-Nitroaniline	300	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-34

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.08

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BN1419.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 18 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/08/98

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	210	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	220	U
100-02-7	4-Nitrophenol	550	U
121-14-2	2,4-Dinitrotoluene	220	U
84-66-2	Diethylphthalate	240	U
86-73-7	Fluorene	230	U
7005-72-3	4-Chlorophenyl-phenylether	220	U
100-01-6	4-Nitroaniline	340	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	220	U
103-33-3	Azobenzene	230	U
101-55-3	4-Bromophenyl-phenylether	210	U
118-74-1	Hexachlorobenzene	320	U
87-86-5	Pentachlorophenol	350	U
85-01-8	Phenanthrene	800	
120-12-7	Anthracene	190	J
84-74-2	Di-n-butylphthalate	1200	B
206-44-0	Fluoranthene	1100	
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	300	U
56-55-3	Benzo[a]anthracene	450	
91-94-1	3,3'-Dichlorobenzidine	410	U
218-01-9	Chrysene	910	
117-81-7	bis(2-Ethylhexyl)phthalate	300	JB
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo[b]fluoranthene	340	
207-08-9	Benzo[k]fluoranthene	590	
50-32-8	Benzo[a]pyrene	510	
193-39-5	Indeno[1,2,3-cd]pyrene	320	
53-70-3	Dibenz[a,h]anthracene	290	U
191-24-2	Benzo[g,h,i]perylene	350	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-34

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.08

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BN1419.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 18 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/08/98

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. 019047-85-9	Phosphonic acid, dioctadecyl est	28.93	1500	JN
2.	unknown	4.86	1300	J
3.	unknown	16.24	960	J
4.	unknown	19.19	1800	J
5.	unknown	27.12	1200	J
6.	unknown	27.17	960	J
7. 000544-76-3	Hexadecane	27.57	3500	JN
8. 000646-31-1	Tetracosane	28.87	2000	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-35

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.10

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN1408.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 15.88 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	350	U
62-75-9	N-nitroso-dimethylamine	230	U
62-53-3	Aniline	250	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	240	U
95-57-8	2-Chlorophenol	220	U
541-73-1	1,3-Dichlorobenzene	240	U
106-46-7	1,4-Dichlorobenzene	340	U
100-51-6	Benzyl alcohol	310	U
95-50-1	1,2-Dichlorobenzene	270	U
	2-Methylphenol	240	U
108-60-1	bis(2-chloroisopropyl)ether	290	U
	4-Methylphenol	310	U
621-64-7	n-Nitroso-di-n-propylamine	280	U
67-72-1	Hexachloroethane	240	U
98-95-3	Nitrobenzene	310	U
78-59-1	Isophorone	300	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	140	U
120-83-2	2,4-Dichlorophenol	180	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	300	U
91-20-3	Naphthalene	280	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	290	U
59-50-7	4-Chloro-3-methylphenol	230	U
91-57-6	2-Methylnaphthalene	320	U
77-47-4	Hexachlorocyclopentadiene	66	U
88-06-2	2,4,6-Trichlorophenol	220	U
	2,4,5-Trichlorophenol	240	U
91-58-7	2-Chloronaphthalene	210	U
88-74-4	2-Nitroaniline	190	U
131-11-3	Dimethylphthalate	180	U
208-96-8	Acenaphthylene	220	U
606-20-2	2,6-Dinitrotoluene	260	U
99-09-2	3-Nitroaniline	290	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-35

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.10

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN1408.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 15.88 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	200	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	220	U
100-02-7	4-Nitrophenol	530	U
121-14-2	2,4-Dinitrotoluene	220	U
84-66-2	Diethylphthalate	240	U
86-73-7	Fluorene	220	U
7005-72-3	4-Chlorophenyl-phenylether	220	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	210	U
103-33-3	Azobenzene	220	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	310	U
87-86-5	Pentachlorophenol	340	U
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	220	U
84-74-2	Di-n-butylphthalate	1600	B
206-44-0	Fluoranthene	320	
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	440	
85-68-7	Butylbenzylphthalate	290	U
56-55-3	Benzo[a]anthracene	200	J
91-94-1	3,3'-Dichlorobenzidine	400	U
218-01-9	Chrysene	450	
117-81-7	bis(2-Ethylhexyl)phthalate	510	B
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo[b]fluoranthene	150	J
207-08-9	Benzo[k]fluoranthene	250	
50-32-8	Benzo[a]pyrene	250	
193-39-5	Indeno[1,2,3-cd]pyrene	160	J
53-70-3	Dibenz[a,h]anthracene	280	U
191-24-2	Benzo[g,h,i]perylene	280	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-35

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.10

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN1408.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 15.88 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	4.86	1300	J
2.	unknown	16.25	960	J
3. 000084-78-6	1,2-Benzenedicarboxylic acid, bu	19.20	2600	JN
4. 015965-99-8	Oxirane, [(hexadecyloxy)methyl]-	26.19	1100	JN
5.	unknown	27.13	1500	J
6.	unknown	27.18	1200	J
7. 000630-06-8	Hexatriacontane	27.60	4000	JN
8. 000112-95-8	Eicosane	28.89	2300	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-36

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.12

Sample wt/vol: 10.12 (g/ml) G Lab File ID: BN1409.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 7.03 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	320	U
62-75-9	N-nitroso-dimethylamine	210	U
62-53-3	Aniline	230	U
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)ether	220	U
95-57-8	2-Chlorophenol	200	U
541-73-1	1,3-Dichlorobenzene	220	U
106-46-7	1,4-Dichlorobenzene	310	U
100-51-6	Benzyl alcohol	280	U
95-50-1	1,2-Dichlorobenzene	250	U
	2-Methylphenol	220	U
108-60-1	bis(2-chloroisopropyl)ether	270	U
	4-Methylphenol	280	U
621-64-7	n-Nitroso-di-n-propylamine	260	U
67-72-1	Hexachloroethane	220	U
98-95-3	Nitrobenzene	280	U
78-59-1	Isophorone	270	U
88-75-5	2-Nitrophenol	180	U
105-67-9	2,4-Dimethylphenol	310	U
111-91-1	bis(2-Chloroethoxy)methane	130	U
120-83-2	2,4-Dichlorophenol	170	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	280	U
91-20-3	Naphthalene	260	U
106-47-8	4-Chloroaniline	310	U
87-68-3	Hexachlorobutadiene	260	U
59-50-7	4-Chloro-3-methylphenol	210	U
91-57-6	2-Methylnaphthalene	290	U
77-47-4	Hexachlorocyclopentadiene	61	U
88-06-2	2,4,6-Trichlorophenol	200	U
	2,4,5-Trichlorophenol	220	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	180	U
131-11-3	Dimethylphthalate	160	U
208-96-8	Acenaphthylene	200	U
606-20-2	2,6-Dinitrotoluene	240	U
99-09-2	3-Nitroaniline	270	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-36

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.12

Sample wt/vol: 10.12 (g/ml) G Lab File ID: BN1409.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 7.03 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	190	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	200	U
100-02-7	4-Nitrophenol	490	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	220	U
86-73-7	Fluorene	200	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
100-01-6	4-Nitroaniline	300	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	190	U
103-33-3	Azobenzene	200	U
101-55-3	4-Bromophenyl-phenylether	180	U
118-74-1	Hexachlorobenzene	280	U
87-86-5	Pentachlorophenol	310	U
85-01-8	Phenanthrene	210	U
120-12-7	Anthracene	210	U
84-74-2	Di-n-butylphthalate	590	JB
206-44-0	Fluoranthene	210	U
92-87-5	Benzidine	960	U
129-00-0	Pyrene	240	U
85-68-7	Butylbenzylphthalate	270	U
56-55-3	Benzo[a]anthracene	210	U
91-94-1	3,3'-Dichlorobenzidine	370	U
218-01-9	Chrysene	270	U
117-81-7	bis(2-Ethylhexyl)phthalate	260	JB
117-84-0	Di-n-octylphthalate	300	U
205-99-2	Benzo[b]fluoranthene	260	U
207-08-9	Benzo[k]fluoranthene	190	U
50-32-8	Benzo[a]pyrene	200	U
193-39-5	Indeno[1,2,3-cd]pyrene	220	U
53-70-3	Dibenz[a,h]anthracene	250	U
191-24-2	Benzo[g,h,i]perylene	250	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-36

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.12

Sample wt/vol: 10.12 (g/ml) G Lab File ID: BN1409.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 7.03 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	4.86	1200	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.20	1000	JN
3. 000630-06-8	Hexatriacontane	27.58	920	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-37

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.14

Sample wt/vol: 10.87 (g/ml) G Lab File ID: BN1410.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 25.29 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	370	U
62-75-9	N-nitroso-dimethylamine	250	U
62-53-3	Aniline	270	U
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	260	U
95-57-8	2-Chlorophenol	240	U
541-73-1	1,3-Dichlorobenzene	250	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl alcohol	330	U
95-50-1	1,2-Dichlorobenzene	290	U
	2-Methylphenol	250	U
108-60-1	bis(2-chloroisopropyl)ether	310	U
	4-Methylphenol	330	U
621-64-7	n-Nitroso-di-n-propylamine	300	U
67-72-1	Hexachloroethane	260	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	320	U
88-75-5	2-Nitrophenol	210	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	150	U
120-83-2	2,4-Dichlorophenol	190	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	320	U
91-20-3	Naphthalene	300	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	310	U
59-50-7	4-Chloro-3-methylphenol	240	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	70	U
88-06-2	2,4,6-Trichlorophenol	230	U
	2,4,5-Trichlorophenol	260	U
91-58-7	2-Chloronaphthalene	220	U
88-74-4	2-Nitroaniline	200	U
131-11-3	Dimethylphthalate	190	U
208-96-8	Acenaphthylene	240	U
606-20-2	2,6-Dinitrotoluene	280	U
99-09-2	3-Nitroaniline	310	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-37

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.14

Sample wt/vol: 10.87 (g/ml) G Lab File ID: BN1410.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 25.29 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	220	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	230	U
100-02-7	4-Nitrophenol	570	U
121-14-2	2,4-Dinitrotoluene	230	U
84-66-2	Diethylphthalate	250	U
86-73-7	Fluorene	240	U
7005-72-3	4-Chlorophenyl-phenylether	230	U
100-01-6	4-Nitroaniline	350	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	230	U
103-33-3	Azobenzene	240	U
101-55-3	4-Bromophenyl-phenylether	210	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	360	U
85-01-8	Phenanthrene	240	U
120-12-7	Anthracene	240	U
84-74-2	Di-n-butylphthalate	720	JB
206-44-0	Fluoranthene	240	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	280	U
85-68-7	Butylbenzylphthalate	310	U
56-55-3	Benzo[a]anthracene	240	U
91-94-1	3,3'-Dichlorobenzidine	420	U
218-01-9	Chrysene	310	U
117-81-7	bis(2-Ethylhexyl)phthalate	320	JB
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo[b]fluoranthene	300	U
207-08-9	Benzo[k]fluoranthene	220	U
50-32-8	Benzo[a]pyrene	230	U
193-39-5	Indeno[1,2,3-cd]pyrene	250	U
53-70-3	Dibenz[a,h]anthracene	290	U
191-24-2	Benzo[g,h,i]perylene	290	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-37

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.14

Sample wt/vol: 10.87 (g/ml) G Lab File ID: BN1410.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 25.29 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	4.86	1300	J
2. 000084-74-2	Dibutyl phthalate	19.20	1300	JN
3.	unknown	27.14	1200	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-38

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.16

Sample wt/vol: 10.89 (g/ml) G Lab File ID: BN1411.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 17.19 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	330	U
62-75-9	N-nitroso-dimethylamine	220	U
62-53-3	Aniline	240	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	230	U
95-57-8	2-Chlorophenol	210	U
541-73-1	1,3-Dichlorobenzene	230	U
106-46-7	1,4-Dichlorobenzene	320	U
100-51-6	Benzyl alcohol	300	U
95-50-1	1,2-Dichlorobenzene	260	U
	2-Methylphenol	230	U
108-60-1	bis(2-chloroisopropyl)ether	280	U
	4-Methylphenol	300	U
621-64-7	n-Nitroso-di-n-propylamine	270	U
67-72-1	Hexachloroethane	230	U
98-95-3	Nitrobenzene	300	U
78-59-1	Isophorone	280	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	320	U
111-91-1	bis(2-Chloroethoxy)methane	130	U
120-83-2	2,4-Dichlorophenol	180	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	290	U
91-20-3	Naphthalene	270	U
106-47-8	4-Chloroaniline	320	U
87-68-3	Hexachlorobutadiene	280	U
59-50-7	4-Chloro-3-methylphenol	220	U
91-57-6	2-Methylnaphthalene	300	U
77-47-4	Hexachlorocyclopentadiene	63	U
88-06-2	2,4,6-Trichlorophenol	210	U
	2,4,5-Trichlorophenol	230	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	180	U
131-11-3	Dimethylphthalate	170	U
208-96-8	Acenaphthylene	210	U
606-20-2	2,6-Dinitrotoluene	250	U
99-09-2	3-Nitroaniline	280	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-38

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.16

Sample wt/vol: 10.89 (g/ml) G Lab File ID: BN1411.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 17.19 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	190	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	210	U
100-02-7	4-Nitrophenol	510	U
121-14-2	2,4-Dinitrotoluene	210	U
84-66-2	Diethylphthalate	230	U
86-73-7	Fluorene	210	U
7005-72-3	4-Chlorophenyl-phenylether	210	U
100-01-6	4-Nitroaniline	310	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	200	U
103-33-3	Azobenzene	210	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	290	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	210	U
84-74-2	Di-n-butylphthalate	2200	B
206-44-0	Fluoranthene	160	J
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	180	J
85-68-7	Butylbenzylphthalate	280	U
56-55-3	Benzo[a]anthracene	220	U
91-94-1	3,3'-Dichlorobenzidine	380	U
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)phthalate	410	B
117-84-0	Di-n-octylphthalate	310	U
205-99-2	Benzo[b]fluoranthene	270	U
207-08-9	Benzo[k]fluoranthene	170	J
50-32-8	Benzo[a]pyrene	210	U
193-39-5	Indeno[1,2,3-cd]pyrene	230	U
53-70-3	Dibenz[a,h]anthracene	270	U
191-24-2	Benzo[g,h,i]perylene	270	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-38

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.16

Sample wt/vol: 10.89 (g/ml) G Lab File ID: BN1411.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 17.19 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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.	unknown	4.86	1300	J
2.	unknown	19.20	3700	J
3. 000638-68-6	Triacontane	27.59	2000	JN
4. 000630-06-8	Hexatriacontane	28.89	1400	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-39

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.18

Sample wt/vol: 10.53 (g/ml) G Lab File ID: BN1412.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 14.34 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	330	U
62-75-9	N-nitroso-dimethylamine	220	U
62-53-3	Aniline	240	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	230	U
95-57-8	2-Chlorophenol	210	U
541-73-1	1,3-Dichlorobenzene	230	U
106-46-7	1,4-Dichlorobenzene	320	U
100-51-6	Benzyl alcohol	300	U
95-50-1	1,2-Dichlorobenzene	260	U
	2-Methylphenol	230	U
108-60-1	bis(2-chloroisopropyl)ether	280	U
	4-Methylphenol	300	U
621-64-7	n-Nitroso-di-n-propylamine	270	U
67-72-1	Hexachloroethane	230	U
98-95-3	Nitrobenzene	300	U
78-59-1	Isophorone	280	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	320	U
111-91-1	bis(2-Chloroethoxy)methane	130	U
120-83-2	2,4-Dichlorophenol	180	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	290	U
91-20-3	Naphthalene	270	U
106-47-8	4-Chloroaniline	320	U
87-68-3	Hexachlorobutadiene	280	U
59-50-7	4-Chloro-3-methylphenol	220	U
91-57-6	2-Methylnaphthalene	300	U
77-47-4	Hexachlorocyclopentadiene	63	U
88-06-2	2,4,6-Trichlorophenol	210	U
	2,4,5-Trichlorophenol	230	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	180	U
131-11-3	Dimethylphthalate	170	U
208-96-8	Acenaphthylene	210	U
606-20-2	2,6-Dinitrotoluene	250	U
99-09-2	3-Nitroaniline	280	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-39

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.18

Sample wt/vol: 10.53 (g/ml) G Lab File ID: BN1412.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 14.34 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	190	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	210	U
100-02-7	4-Nitrophenol	510	U
121-14-2	2,4-Dinitrotoluene	210	U
84-66-2	Diethylphthalate	230	U
86-73-7	Fluorene	210	U
7005-72-3	4-Chlorophenyl-phenylether	210	U
100-01-6	4-Nitroaniline	310	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	200	U
103-33-3	Azobenzene	210	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	290	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	210	U
120-12-7	Anthracene	210	U
84-74-2	Di-n-butylphthalate	660	JB
206-44-0	Fluoranthene	220	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	250	U
85-68-7	Butylbenzylphthalate	280	U
56-55-3	Benzo[a]anthracene	220	U
91-94-1	3,3'-Dichlorobenzidine	380	U
218-01-9	Chrysene	110	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	B
117-84-0	Di-n-octylphthalate	310	U
205-99-2	Benzo[b]fluoranthene	270	U
207-08-9	Benzo[k]fluoranthene	200	U
50-32-8	Benzo[a]pyrene	210	U
193-39-5	Indeno[1,2,3-cd]pyrene	230	U
53-70-3	Dibenz[a,h]anthracene	260	U
191-24-2	Benzo[g,h,i]perylene	260	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-39

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.18

Sample wt/vol: 10.53 (g/ml) G Lab File ID: BN1412.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 14.34 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	4.86	1200	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.20	1100	JN
3.	unknown	27.14	3700	J
4. 000629-94-7	Heneicosane	27.59	2300	JN
5. 000630-06-8	Hexatriacontane	28.89	2200	JN
6.	unknown hydrocarbon	30.29	950	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-40

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.20

Sample wt/vol: 10.61 (g/ml) G Lab File ID: BN1413.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 15.54 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	330	U
62-75-9	N-nitroso-dimethylamine	220	U
62-53-3	Aniline	240	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	230	U
95-57-8	2-Chlorophenol	210	U
541-73-1	1,3-Dichlorobenzene	230	U
106-46-7	1,4-Dichlorobenzene	330	U
100-51-6	Benzyl alcohol	300	U
95-50-1	1,2-Dichlorobenzene	260	U
	2-Methylphenol	230	U
108-60-1	bis(2-chloroisopropyl)ether	280	U
	4-Methylphenol	300	U
621-64-7	n-Nitroso-di-n-propylamine	270	U
67-72-1	Hexachloroethane	230	U
98-95-3	Nitrobenzene	300	U
78-59-1	Isophorone	290	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	130	U
120-83-2	2,4-Dichlorophenol	180	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	290	U
91-20-3	Naphthalene	270	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	280	U
59-50-7	4-Chloro-3-methylphenol	220	U
91-57-6	2-Methylnaphthalene	300	U
77-47-4	Hexachlorocyclopentadiene	64	U
88-06-2	2,4,6-Trichlorophenol	210	U
	2,4,5-Trichlorophenol	230	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	190	U
131-11-3	Dimethylphthalate	170	U
208-96-8	Acenaphthylene	210	U
606-20-2	2,6-Dinitrotoluene	250	U
99-09-2	3-Nitroaniline	280	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-40

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.20

Sample wt/vol: 10.61 (g/ml) G Lab File ID: BN1413.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 15.54 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	200	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	210	U
100-02-7	4-Nitrophenol	510	U
121-14-2	2,4-Dinitrotoluene	210	U
84-66-2	Diethylphthalate	230	U
86-73-7	Fluorene	210	U
7005-72-3	4-Chlorophenyl-phenylether	210	U
100-01-6	4-Nitroaniline	310	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	200	U
103-33-3	Azobenzene	210	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	290	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	220	
120-12-7	Anthracene	220	U
84-74-2	Di-n-butylphthalate	1500	B
206-44-0	Fluoranthene	390	
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	470	
85-68-7	Butylbenzylphthalate	280	U
56-55-3	Benzo[a]anthracene	220	
91-94-1	3,3'-Dichlorobenzidine	380	U
218-01-9	Chrysene	530	
117-81-7	bis(2-Ethylhexyl)phthalate	340	B
117-84-0	Di-n-octylphthalate	310	U
205-99-2	Benzo[b]fluoranthene	210	J
207-08-9	Benzo[k]fluoranthene	330	
50-32-8	Benzo[a]pyrene	300	
193-39-5	Indeno[1,2,3-cd]pyrene	190	J
53-70-3	Dibenz[a,h]anthracene	270	U
191-24-2	Benzo[g,h,i]perylene	270	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-40

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.20

Sample wt/vol: 10.61 (g/ml) G Lab File ID: BN1413.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 15.54 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	4.86	1500	J
2.	unknown	16.25	920	J
3.	unknown	19.20	2600	J
4. 056554-90-6	13-Octadecenal	27.18	3000	JN
5. 001454-84-8	1-Nonadecanol	27.61	4900	JN
6. 056554-91-7	12-Octadecenal	28.54	1200	JN
7. 007098-22-8	Tetratetracontane	28.89	2700	JN
8. 000630-06-8	Hexatriacontane	30.29	1300	JN

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-41

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.22

Sample wt/vol: 10.78 (g/ml) G Lab File ID: BN1414.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 15.27 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	330	U
62-75-9	N-nitroso-dimethylamine	220	U
62-53-3	Aniline	240	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	230	U
95-57-8	2-Chlorophenol	210	U
541-73-1	1,3-Dichlorobenzene	230	U
106-46-7	1,4-Dichlorobenzene	320	U
100-51-6	Benzyl alcohol	290	U
95-50-1	1,2-Dichlorobenzene	260	U
	2-Methylphenol	220	U
108-60-1	bis(2-chloroisopropyl)ether	270	U
	4-Methylphenol	290	U
621-64-7	n-Nitroso-di-n-propylamine	270	U
67-72-1	Hexachloroethane	230	U
98-95-3	Nitrobenzene	290	U
78-59-1	Isophorone	280	U
88-75-5	2-Nitrophenol	180	U
105-67-9	2,4-Dimethylphenol	320	U
111-91-1	bis(2-Chloroethoxy)methane	130	U
120-83-2	2,4-Dichlorophenol	170	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	290	U
91-20-3	Naphthalene	270	U
106-47-8	4-Chloroaniline	320	U
87-68-3	Hexachlorobutadiene	270	U
59-50-7	4-Chloro-3-methylphenol	210	U
91-57-6	2-Methylnaphthalene	300	U
77-47-4	Hexachlorocyclopentadiene	62	U
88-06-2	2,4,6-Trichlorophenol	210	U
	2,4,5-Trichlorophenol	230	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	180	U
131-11-3	Dimethylphthalate	170	U
208-96-8	Acenaphthylene	210	U
606-20-2	2,6-Dinitrotoluene	250	U
99-09-2	3-Nitroaniline	270	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-41

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.22

Sample wt/vol: 10.78 (g/ml) G Lab File ID: BN1414.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 15.27 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	190	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	200	U
100-02-7	4-Nitrophenol	500	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	220	U
86-73-7	Fluorene	210	U
7005-72-3	4-Chlorophenyl-phenylether	210	U
100-01-6	4-Nitroaniline	310	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	200	U
103-33-3	Azobenzene	210	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	290	U
87-86-5	Pentachlorophenol	320	U
85-01-8	Phenanthrene	220	
120-12-7	Anthracene	210	U
84-74-2	Di-n-butylphthalate	670	JB
206-44-0	Fluoranthene	230	
92-87-5	Benzidine	990	U
129-00-0	Pyrene	300	
85-68-7	Butylbenzylphthalate	270	U
56-55-3	Benzo[a]anthracene	130	J
91-94-1	3,3'-Dichlorobenzidine	380	U
218-01-9	Chrysene	380	
117-81-7	bis(2-Ethylhexyl)phthalate	350	B
117-84-0	Di-n-octylphthalate	310	U
205-99-2	Benzo[b]fluoranthene	110	J
207-08-9	Benzo[k]fluoranthene	210	
50-32-8	Benzo[a]pyrene	130	J
193-39-5	Indeno[1,2,3-cd]pyrene	220	U
53-70-3	Dibenz[a,h]anthracene	260	U
191-24-2	Benzo[g,h,i]perylene	260	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-41

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3428 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3428.22

Sample wt/vol: 10.78 (g/ml) G Lab File ID: BN1414.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: 15.27 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/07/98

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	4.86	1400	J
2.	unknown	19.19	1200	J
3.	unknown	27.18	2600	J
4. 006624-79-9	1-Dotriacontanol	27.60	3200	JN
5. 056554-89-3	14-Octadecenal	28.54	890	JN
6. 000544-85-4	Dotriacontane	28.89	2000	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-42

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.02

Sample wt/vol: 10.35 (g/ml) G Lab File ID: BN1441.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 14.83 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	340	U
62-75-9	N-nitroso-dimethylamine	230	U
62-53-3	Aniline	250	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	240	U
95-57-8	2-Chlorophenol	220	U
541-73-1	1,3-Dichlorobenzene	230	U
106-46-7	1,4-Dichlorobenzene	330	U
100-51-6	Benzyl alcohol	300	U
95-50-1	1,2-Dichlorobenzene	270	U
	2-Methylphenol	230	U
108-60-1	bis(2-chloroisopropyl)ether	280	U
	4-Methylphenol	300	U
621-64-7	n-Nitroso-di-n-propylamine	280	U
67-72-1	Hexachloroethane	240	U
98-95-3	Nitrobenzene	300	U
78-59-1	Isophorone	290	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	130	U
120-83-2	2,4-Dichlorophenol	180	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	300	U
91-20-3	Naphthalene	280	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	280	U
59-50-7	4-Chloro-3-methylphenol	220	U
91-57-6	2-Methylnaphthalene	310	U
77-47-4	Hexachlorocyclopentadiene	65	U
88-06-2	2,4,6-Trichlorophenol	210	U
	2,4,5-Trichlorophenol	240	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	190	U
131-11-3	Dimethylphthalate	170	U
208-96-8	Acenaphthylene	220	U
606-20-2	2,6-Dinitrotoluene	260	U
99-09-2	3-Nitroaniline	280	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-42

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.02

Sample wt/vol: 10.35 (g/ml) G Lab File ID: BN1441.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 14.83 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	200	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	210	U
100-02-7	4-Nitrophenol	520	U
121-14-2	2,4-Dinitrotoluene	210	U
84-66-2	Diethylphthalate	230	U
86-73-7	Fluorene	220	U
7005-72-3	4-Chlorophenyl-phenylether	210	U
100-01-6	4-Nitroaniline	320	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	210	U
103-33-3	Azobenzene	220	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	300	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	720	
120-12-7	Anthracene	120	J
84-74-2	Di-n-butylphthalate	560	JB
206-44-0	Fluoranthene	1600	
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1500	
85-68-7	Butylbenzylphthalate	280	U
56-55-3	Benzo[a]anthracene	690	
91-94-1	3,3'-Dichlorobenzidine	390	U
218-01-9	Chrysene	1800	
117-81-7	bis(2-Ethylhexyl)phthalate	260	JB
117-84-0	Di-n-octylphthalate	320	U
205-99-2	Benzo[b]fluoranthene	840	
207-08-9	Benzo[k]fluoranthene	990	
50-32-8	Benzo[a]pyrene	1000	
193-39-5	Indeno[1,2,3-cd]pyrene	560	
53-70-3	Dibenz[a,h]anthracene	390	
191-24-2	Benzo[g,h,i]perylene	550	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-42

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.02

Sample wt/vol: 10.35 (g/ml) G Lab File ID: BN1441.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 14.83 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	1100	J
2. 004602-84-0	2,6,10-Dodecatrien-1-ol, 3,7,11-tr	27.11	1400	JN
3.	unknown hydrocarbon	27.57	2300	J
4. 000630-06-8	Hexatriacontane	28.87	1400	JN
5. 000629-96-9	1-Eicosanol	28.93	1100	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-43

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.04

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN1429.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 16.02 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/09/98

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	350	U
62-75-9	N-nitroso-dimethylamine	240	U
62-53-3	Aniline	260	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	250	U
95-57-8	2-Chlorophenol	220	U
541-73-1	1,3-Dichlorobenzene	240	U
106-46-7	1,4-Dichlorobenzene	340	U
100-51-6	Benzyl alcohol	310	U
95-50-1	1,2-Dichlorobenzene	280	U
	2-Methylphenol	240	U
108-60-1	bis(2-chloroisopropyl)ether	300	U
	4-Methylphenol	310	U
621-64-7	n-Nitroso-di-n-propylamine	290	U
67-72-1	Hexachloroethane	250	U
98-95-3	Nitrobenzene	320	U
78-59-1	Isophorone	300	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	140	U
120-83-2	2,4-Dichlorophenol	190	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	310	U
91-20-3	Naphthalene	290	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	290	U
59-50-7	4-Chloro-3-methylphenol	230	U
91-57-6	2-Methylnaphthalene	320	U
77-47-4	Hexachlorocyclopentadiene	67	U
88-06-2	2,4,6-Trichlorophenol	220	U
	2,4,5-Trichlorophenol	250	U
91-58-7	2-Chloronaphthalene	210	U
88-74-4	2-Nitroaniline	200	U
131-11-3	Dimethylphthalate	180	U
208-96-8	Acenaphthylene	230	U
606-20-2	2,6-Dinitrotoluene	270	U
99-09-2	3-Nitroaniline	300	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-43

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.04

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN1429.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 16.02 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/09/98

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	210	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	220	U
100-02-7	4-Nitrophenol	540	U
121-14-2	2,4-Dinitrotoluene	220	U
84-66-2	Diethylphthalate	240	U
86-73-7	Fluorene	220	U
7005-72-3	4-Chlorophenyl-phenylether	220	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	220	U
103-33-3	Azobenzene	220	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	310	U
87-86-5	Pentachlorophenol	350	U
85-01-8	Phenanthrene	230	U
120-12-7	Anthracene	230	U
84-74-2	Di-n-butylphthalate	1400	B
206-44-0	Fluoranthene	290	
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	290	
85-68-7	Butylbenzylphthalate	300	U
56-55-3	Benzo[a]anthracene	330	
91-94-1	3,3'-Dichlorobenzidine	400	U
218-01-9	Chrysene	820	
117-81-7	bis(2-Ethylhexyl)phthalate	420	B
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo[b]fluoranthene	470	
207-08-9	Benzo[k]fluoranthene	670	
50-32-8	Benzo[a]pyrene	350	
193-39-5	Indeno[1,2,3-cd]pyrene	240	U
53-70-3	Dibenz[a,h]anthracene	280	U
191-24-2	Benzo[g,h,i]perylene	280	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-43

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.04

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN1429.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 16.02 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/09/98

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	4.85	1600	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.18	2600	JN
3.	unknown	27.12	5200	J
4. 000593-45-3	Octadecane	27.57	4500	JN
5. 002765-11-9	Pentadecanal-	28.52	1100	JN
6. 007098-22-8	Tetratetracontane	28.87	3200	JN
7.	unknown	29.88	1100	J
8.	unknown	30.28	2200	J
9.	unknown	30.71	1300	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-44

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.06

Sample wt/vol: 10.58 (g/ml) G Lab File ID: BN1442.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 15.49 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	330	U
62-75-9	N-nitroso-dimethylamine	220	U
62-53-3	Aniline	240	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	230	U
95-57-8	2-Chlorophenol	210	U
541-73-1	1,3-Dichlorobenzene	230	U
106-46-7	1,4-Dichlorobenzene	330	U
100-51-6	Benzyl alcohol	300	U
95-50-1	1,2-Dichlorobenzene	260	U
	2-Methylphenol	230	U
108-60-1	bis(2-chloroisopropyl)ether	280	U
	4-Methylphenol	300	U
621-64-7	n-Nitroso-di-n-propylamine	270	U
67-72-1	Hexachloroethane	230	U
98-95-3	Nitrobenzene	300	U
78-59-1	Isophorone	290	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	130	U
120-83-2	2,4-Dichlorophenol	180	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	290	U
91-20-3	Naphthalene	270	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	280	U
59-50-7	4-Chloro-3-methylphenol	220	U
91-57-6	2-Methylnaphthalene	310	U
77-47-4	Hexachlorocyclopentadiene	64	U
88-06-2	2,4,6-Trichlorophenol	210	U
	2,4,5-Trichlorophenol	230	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	190	U
131-11-3	Dimethylphthalate	170	U
208-96-8	Acenaphthylene	210	U
606-20-2	2,6-Dinitrotoluene	260	U
99-09-2	3-Nitroaniline	280	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-44

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.06

Sample wt/vol: 10.58 (g/ml) G Lab File ID: BN1442.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 15.49 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	200	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	210	U
100-02-7	4-Nitrophenol	510	U
121-14-2	2,4-Dinitrotoluene	210	U
84-66-2	Diethylphthalate	230	U
86-73-7	Fluorene	210	U
7005-72-3	4-Chlorophenyl-phenylether	210	U
100-01-6	4-Nitroaniline	320	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	200	U
103-33-3	Azobenzene	210	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	300	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	320	
120-12-7	Anthracene	220	U
84-74-2	Di-n-butylphthalate	1200	B
206-44-0	Fluoranthene	580	
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	530	
85-68-7	Butylbenzylphthalate	280	U
56-55-3	Benzo[a]anthracene	240	
91-94-1	3,3'-Dichlorobenzidine	380	U
218-01-9	Chrysene	530	
117-81-7	bis(2-Ethylhexyl)phthalate	140	JB
117-84-0	Di-n-octylphthalate	320	U
205-99-2	Benzo[b]fluoranthene	160	J
207-08-9	Benzo[k]fluoranthene	350	
50-32-8	Benzo[a]pyrene	300	
193-39-5	Indeno[1,2,3-cd]pyrene	190	J
53-70-3	Dibenz[a,h]anthracene	270	U
191-24-2	Benzo[g,h,i]perylene	270	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-44

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.06

Sample wt/vol: 10.58 (g/ml) G Lab File ID: BN1442.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 15.49 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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.		unknown	4.85	1300	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.18	2100	JN
3.	000638-66-4	Octadecanal	27.16	990	JN
4.	000630-06-8	Hexatriacontane	27.57	2400	JN
5.	000112-95-8	Eicosane	28.87	1500	JN
6.		unknown	28.93	1300	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-45

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.08

Sample wt/vol: 10.32 (g/ml) G Lab File ID: BN1431.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 18.59 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/09/98

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	360	U
62-75-9	N-nitroso-dimethylamine	240	U
62-53-3	Aniline	260	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	250	U
95-57-8	2-Chlorophenol	230	U
541-73-1	1,3-Dichlorobenzene	250	U
106-46-7	1,4-Dichlorobenzene	350	U
100-51-6	Benzyl alcohol	320	U
95-50-1	1,2-Dichlorobenzene	280	U
	2-Methylphenol	240	U
108-60-1	bis(2-chloroisopropyl)ether	300	U
	4-Methylphenol	320	U
621-64-7	n-Nitroso-di-n-propylamine	290	U
67-72-1	Hexachloroethane	250	U
98-95-3	Nitrobenzene	320	U
78-59-1	Isophorone	300	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	140	U
120-83-2	2,4-Dichlorophenol	190	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	310	U
91-20-3	Naphthalene	290	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	300	U
59-50-7	4-Chloro-3-methylphenol	230	U
91-57-6	2-Methylnaphthalene	320	U
77-47-4	Hexachlorocyclopentadiene	68	U
88-06-2	2,4,6-Trichlorophenol	220	U
	2,4,5-Trichlorophenol	250	U
91-58-7	2-Chloronaphthalene	210	U
88-74-4	2-Nitroaniline	200	U
131-11-3	Dimethylphthalate	180	U
208-96-8	Acenaphthylene	230	U
606-20-2	2,6-Dinitrotoluene	270	U
99-09-2	3-Nitroaniline	300	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-45

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.08

Sample wt/vol: 10.32 (g/ml) G Lab File ID: BN1431.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 18.59 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/09/98

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	210	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	220	U
100-02-7	4-Nitrophenol	550	U
121-14-2	2,4-Dinitrotoluene	220	U
84-66-2	Diethylphthalate	240	U
86-73-7	Fluorene	230	U
7005-72-3	4-Chlorophenyl-phenylether	220	U
100-01-6	4-Nitroaniline	340	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	220	U
103-33-3	Azobenzene	230	U
101-55-3	4-Bromophenyl-phenylether	210	U
118-74-1	Hexachlorobenzene	310	U
87-86-5	Pentachlorophenol	350	U
85-01-8	Phenanthrene	200	J
120-12-7	Anthracene	230	U
84-74-2	Di-n-butylphthalate	1200	B
206-44-0	Fluoranthene	180	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	260	J
85-68-7	Butylbenzylphthalate	300	U
56-55-3	Benzo[a]anthracene	230	U
91-94-1	3,3'-Dichlorobenzidine	410	U
218-01-9	Chrysene	300	U
117-81-7	bis(2-Ethylhexyl)phthalate	170	JB
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo[b]fluoranthene	290	U
207-08-9	Benzo[k]fluoranthene	160	J
50-32-8	Benzo[a]pyrene	220	U
193-39-5	Indeno[1,2,3-cd]pyrene	240	U
53-70-3	Dibenz[a,h]anthracene	280	U
191-24-2	Benzo[g,h,i]perylene	280	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-45

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.08

Sample wt/vol: 10.32 (g/ml) G Lab File ID: BN1431.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 18.59 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/09/98

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.	unknown	4.85	1400	J
2.	unknown	19.18	2600	J
3. 000630-06-8	Hexatriacontane	27.57	1200	JN
4.	unknown	28.94	980	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-46

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.10

Sample wt/vol: 10.98 (g/ml) G Lab File ID: BN1432.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 15.18 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/09/98

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	320	U
62-75-9	N-nitroso-dimethylamine	210	U
62-53-3	Aniline	230	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	230	U
95-57-8	2-Chlorophenol	210	U
541-73-1	1,3-Dichlorobenzene	220	U
106-46-7	1,4-Dichlorobenzene	310	U
100-51-6	Benzyl alcohol	290	U
95-50-1	1,2-Dichlorobenzene	250	U
	2-Methylphenol	220	U
108-60-1	bis(2-chloroisopropyl)ether	270	U
	4-Methylphenol	290	U
621-64-7	n-Nitroso-di-n-propylamine	260	U
67-72-1	Hexachloroethane	230	U
98-95-3	Nitrobenzene	290	U
78-59-1	Isophorone	270	U
88-75-5	2-Nitrophenol	180	U
105-67-9	2,4-Dimethylphenol	310	U
111-91-1	bis(2-Chloroethoxy)methane	130	U
120-83-2	2,4-Dichlorophenol	170	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	280	U
91-20-3	Naphthalene	260	U
106-47-8	4-Chloroaniline	310	U
87-68-3	Hexachlorobutadiene	270	U
59-50-7	4-Chloro-3-methylphenol	210	U
91-57-6	2-Methylnaphthalene	290	U
77-47-4	Hexachlorocyclopentadiene	61	U
88-06-2	2,4,6-Trichlorophenol	200	U
	2,4,5-Trichlorophenol	230	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	180	U
131-11-3	Dimethylphthalate	160	U
208-96-8	Acenaphthylene	210	U
606-20-2	2,6-Dinitrotoluene	240	U
99-09-2	3-Nitroaniline	270	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-46

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.10

Sample wt/vol: 10.98 (g/ml) G Lab File ID: BN1432.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 15.18 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/09/98

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	190	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	200	U
100-02-7	4-Nitrophenol	490	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	220	U
86-73-7	Fluorene	210	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
100-01-6	4-Nitroaniline	300	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	200	U
103-33-3	Azobenzene	210	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	280	U
87-86-5	Pentachlorophenol	320	U
85-01-8	Phenanthrene	210	U
120-12-7	Anthracene	210	U
84-74-2	Di-n-butylphthalate	1100	B
206-44-0	Fluoranthene	210	U
92-87-5	Benzidine	970	U
129-00-0	Pyrene	240	U
85-68-7	Butylbenzylphthalate	270	U
56-55-3	Benzo[a]anthracene	210	U
91-94-1	3,3'-Dichlorobenzidine	370	U
218-01-9	Chrysene	270	U
117-81-7	bis(2-Ethylhexyl)phthalate	220	JB
117-84-0	Di-n-octylphthalate	300	U
205-99-2	Benzo[b]fluoranthene	260	U
207-08-9	Benzo[k]fluoranthene	200	U
50-32-8	Benzo[a]pyrene	200	U
193-39-5	Indeno[1,2,3-cd]pyrene	220	U
53-70-3	Dibenz[a,h]anthracene	260	U
191-24-2	Benzo[g,h,i]perylene	260	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-46

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.10

Sample wt/vol: 10.98 (g/ml) G Lab File ID: BN1432.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 15.18 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/09/98

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	4.85	1200	J
2.	unknown	19.19	2300	J
3.	unknown	27.12	860	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-47

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.12

Sample wt/vol: 10.78 (g/ml) G Lab File ID: BN1452.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 14.02 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	320	U
62-75-9	N-nitroso-dimethylamine	220	U
62-53-3	Aniline	240	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	230	U
95-57-8	2-Chlorophenol	210	U
541-73-1	1,3-Dichlorobenzene	220	U
106-46-7	1,4-Dichlorobenzene	320	U
100-51-6	Benzyl alcohol	290	U
95-50-1	1,2-Dichlorobenzene	250	U
	2-Methylphenol	220	U
108-60-1	bis(2-chloroisopropyl)ether	270	U
	4-Methylphenol	290	U
621-64-7	n-Nitroso-di-n-propylamine	260	U
67-72-1	Hexachloroethane	230	U
98-95-3	Nitrobenzene	290	U
78-59-1	Isophorone	280	U
88-75-5	2-Nitrophenol	180	U
105-67-9	2,4-Dimethylphenol	320	U
111-91-1	bis(2-Chloroethoxy)methane	130	U
120-83-2	2,4-Dichlorophenol	170	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	280	U
91-20-3	Naphthalene	260	U
106-47-8	4-Chloroaniline	320	U
87-68-3	Hexachlorobutadiene	270	U
59-50-7	4-Chloro-3-methylphenol	210	U
91-57-6	2-Methylnaphthalene	290	U
77-47-4	Hexachlorocyclopentadiene	61	U
88-06-2	2,4,6-Trichlorophenol	200	U
	2,4,5-Trichlorophenol	230	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	180	U
131-11-3	Dimethylphthalate	160	U
208-96-8	Acenaphthylene	210	U
606-20-2	2,6-Dinitrotoluene	250	U
99-09-2	3-Nitroaniline	270	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-47

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.12

Sample wt/vol: 10.78 (g/ml) G Lab File ID: BN1452.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 14.02 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	190	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	200	U
100-02-7	4-Nitrophenol	500	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	220	U
86-73-7	Fluorene	210	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
100-01-6	4-Nitroaniline	300	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	200	U
103-33-3	Azobenzene	210	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	280	U
87-86-5	Pentachlorophenol	320	U
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	210	U
84-74-2	Di-n-butylphthalate	2100	B
206-44-0	Fluoranthene	210	J
92-87-5	Benzidine	980	U
129-00-0	Pyrene	230	J
85-68-7	Butylbenzylphthalate	270	U
56-55-3	Benzo[a]anthracene	210	U
91-94-1	3,3'-Dichlorobenzidine	370	U
218-01-9	Chrysene	270	U
117-81-7	bis(2-Ethylhexyl)phthalate	150	JB
117-84-0	Di-n-octylphthalate	300	U
205-99-2	Benzo[b]fluoranthene	120	J
207-08-9	Benzo[k]fluoranthene	140	J
50-32-8	Benzo[a]pyrene	200	U
193-39-5	Indeno[1,2,3-cd]pyrene	220	U
53-70-3	Dibenz[a,h]anthracene	260	U
191-24-2	Benzo[g,h,i]perylene	260	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-47

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.12

Sample wt/vol: 10.78 (g/ml) G Lab File ID: BN1452.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 14.02 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	4.84	1400	J
2.	unknown	13.21	860	J
3.	unknown	17.72	2100	J
4.	unknown	17.86	1900	J
5. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.18	4000	JN
6. 000000-00-0	1-Hexacosanal	27.16	900	JN
7. 006624-79-9	1-Dotriacontanol	27.59	2000	JN
8. 000112-95-8	Eicosane	28.87	1100	JN
9. 001454-85-9	1-Heptadecanol	28.93	1500	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-48

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.14

Sample wt/vol: 10.41 (g/ml) G Lab File ID: BN1443.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 11.18 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	320	U
62-75-9	N-nitroso-dimethylamine	220	U
62-53-3	Aniline	240	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	230	U
95-57-8	2-Chlorophenol	210	U
541-73-1	1,3-Dichlorobenzene	220	U
106-46-7	1,4-Dichlorobenzene	320	U
100-51-6	Benzyl alcohol	290	U
95-50-1	1,2-Dichlorobenzene	260	U
	2-Methylphenol	220	U
108-60-1	bis(2-chloroisopropyl)ether	270	U
	4-Methylphenol	290	U
621-64-7	n-Nitroso-di-n-propylamine	260	U
67-72-1	Hexachloroethane	230	U
98-95-3	Nitrobenzene	290	U
78-59-1	Isophorone	280	U
88-75-5	2-Nitrophenol	180	U
105-67-9	2,4-Dimethylphenol	320	U
111-91-1	bis(2-Chloroethoxy)methane	130	U
120-83-2	2,4-Dichlorophenol	170	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	280	U
91-20-3	Naphthalene	260	U
106-47-8	4-Chloroaniline	320	U
87-68-3	Hexachlorobutadiene	270	U
59-50-7	4-Chloro-3-methylphenol	210	U
91-57-6	2-Methylnaphthalene	300	U
77-47-4	Hexachlorocyclopentadiene	62	U
88-06-2	2,4,6-Trichlorophenol	200	U
	2,4,5-Trichlorophenol	230	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	180	U
131-11-3	Dimethylphthalate	160	U
208-96-8	Acenaphthylene	210	U
606-20-2	2,6-Dinitrotoluene	250	U
99-09-2	3-Nitroaniline	270	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-48

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.14

Sample wt/vol: 10.41 (g/ml) G Lab File ID: BN1443.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 11.18 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	190	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	200	U
100-02-7	4-Nitrophenol	500	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	140	J
86-73-7	Fluorene	210	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
100-01-6	4-Nitroaniline	300	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	200	U
103-33-3	Azobenzene	210	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	290	U
87-86-5	Pentachlorophenol	320	U
85-01-8	Phenanthrene	210	U
120-12-7	Anthracene	210	U
84-74-2	Di-n-butylphthalate	2000	B
206-44-0	Fluoranthene	140	J
92-87-5	Benzidine	980	U
129-00-0	Pyrene	140	J
85-68-7	Butylbenzylphthalate	270	U
56-55-3	Benzo[a]anthracene	210	U
91-94-1	3,3'-Dichlorobenzidine	370	U
218-01-9	Chrysene	150	J
117-81-7	bis(2-Ethylhexyl)phthalate	170	JB
117-84-0	Di-n-octylphthalate	300	U
205-99-2	Benzo[b]fluoranthene	260	U
207-08-9	Benzo[k]fluoranthene	200	U
50-32-8	Benzo[a]pyrene	200	U
193-39-5	Indeno[1,2,3-cd]pyrene	220	U
53-70-3	Dibenz[a,h]anthracene	260	U
191-24-2	Benzo[g,h,i]perylene	260	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-48

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.14

Sample wt/vol: 10.41 (g/ml) G Lab File ID: BN1443.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 11.18 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	4.84	1300	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	19.18	3500	JN
3. 000124-25-4	Tetradecanal	27.16	1200	JN
4.	unknown	27.58	4400	J
5. 007098-22-8	Tetratetracontane	28.87	3300	JN
6.	unknown	28.93	1600	J
7. 000646-31-1	Tetracosane	30.27	2100	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-49

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.16

Sample wt/vol: 11.68 (g/ml) G Lab File ID: BN1444.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 15.86 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	300	U
62-75-9	N-nitroso-dimethylamine	200	U
62-53-3	Aniline	220	U
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)ether	210	U
95-57-8	2-Chlorophenol	190	U
541-73-1	1,3-Dichlorobenzene	210	U
106-46-7	1,4-Dichlorobenzene	300	U
100-51-6	Benzyl alcohol	270	U
95-50-1	1,2-Dichlorobenzene	240	U
	2-Methylphenol	210	U
108-60-1	bis(2-chloroisopropyl)ether	260	U
	4-Methylphenol	270	U
621-64-7	n-Nitroso-di-n-propylamine	250	U
67-72-1	Hexachloroethane	210	U
98-95-3	Nitrobenzene	270	U
78-59-1	Isophorone	260	U
88-75-5	2-Nitrophenol	170	U
105-67-9	2,4-Dimethylphenol	300	U
111-91-1	bis(2-Chloroethoxy)methane	120	U
120-83-2	2,4-Dichlorophenol	160	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	270	U
91-20-3	Naphthalene	250	U
106-47-8	4-Chloroaniline	300	U
87-68-3	Hexachlorobutadiene	250	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	280	U
77-47-4	Hexachlorocyclopentadiene	58	U
88-06-2	2,4,6-Trichlorophenol	190	U
	2,4,5-Trichlorophenol	210	U
91-58-7	2-Chloronaphthalene	180	U
88-74-4	2-Nitroaniline	170	U
131-11-3	Dimethylphthalate	150	U
208-96-8	Acenaphthylene	200	U
606-20-2	2,6-Dinitrotoluene	230	U
99-09-2	3-Nitroaniline	260	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-49

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.16

Sample wt/vol: 11.68 (g/ml) G Lab File ID: BN1444.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 15.86 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	180	U
51-28-5	2,4-Dinitrophenol	1000	U
132-64-9	Dibenzofuran	190	U
100-02-7	4-Nitrophenol	470	U
121-14-2	2,4-Dinitrotoluene	190	U
84-66-2	Diethylphthalate	210	U
86-73-7	Fluorene	190	U
7005-72-3	4-Chlorophenyl-phenylether	190	U
100-01-6	4-Nitroaniline	290	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	n-Nitrosodiphenylamine	190	U
103-33-3	Azobenzene	190	U
101-55-3	4-Bromophenyl-phenylether	180	U
118-74-1	Hexachlorobenzene	270	U
87-86-5	Pentachlorophenol	300	U
85-01-8	Phenanthrene	200	U
120-12-7	Anthracene	200	U
84-74-2	Di-n-butylphthalate	400	JB
206-44-0	Fluoranthene	200	U
92-87-5	Benzidine	920	U
129-00-0	Pyrene	230	U
85-68-7	Butylbenzylphthalate	260	U
56-55-3	Benzo[a]anthracene	200	U
91-94-1	3,3'-Dichlorobenzidine	350	U
218-01-9	Chrysene	260	U
117-81-7	bis(2-Ethylhexyl)phthalate	280	U
117-84-0	Di-n-octylphthalate	290	U
205-99-2	Benzo[b]fluoranthene	250	U
207-08-9	Benzo[k]fluoranthene	190	U
50-32-8	Benzo[a]pyrene	190	U
193-39-5	Indeno[1,2,3-cd]pyrene	210	U
53-70-3	Dibenz[a,h]anthracene	240	U
191-24-2	Benzo[g,h,i]perylene	240	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-49

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.16

Sample wt/vol: 11.68 (g/ml) G Lab File ID: BN1444.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 15.86 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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. 000638-66-4	Octadecanal	27.16	1000	JN
2. 007098-22-8	Tetratetracontane	27.57	2300	JN
3. 000646-31-1	Tetracosane	28.87	1800	JN
4. 006971-40-0	17-Pentatriacontene	28.93	830	JN
5. 000630-02-4	Octacosane	30.27	1000	JN

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-50

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.18

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN1445.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 17.49 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	360	U
62-75-9	N-nitroso-dimethylamine	240	U
62-53-3	Aniline	260	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	250	U
95-57-8	2-Chlorophenol	230	U
541-73-1	1,3-Dichlorobenzene	250	U
106-46-7	1,4-Dichlorobenzene	350	U
100-51-6	Benzyl alcohol	320	U
95-50-1	1,2-Dichlorobenzene	290	U
	2-Methylphenol	250	U
108-60-1	bis(2-chloroisopropyl)ether	300	U
	4-Methylphenol	320	U
621-64-7	n-Nitroso-di-n-propylamine	300	U
67-72-1	Hexachloroethane	250	U
98-95-3	Nitrobenzene	320	U
78-59-1	Isophorone	310	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	140	U
120-83-2	2,4-Dichlorophenol	190	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	320	U
91-20-3	Naphthalene	300	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	300	U
59-50-7	4-Chloro-3-methylphenol	240	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	69	U
88-06-2	2,4,6-Trichlorophenol	230	U
	2,4,5-Trichlorophenol	250	U
91-58-7	2-Chloronaphthalene	210	U
88-74-4	2-Nitroaniline	200	U
131-11-3	Dimethylphthalate	180	U
208-96-8	Acenaphthylene	230	U
606-20-2	2,6-Dinitrotoluene	280	U
99-09-2	3-Nitroaniline	300	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-50

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.18

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN1445.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 17.49 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	210	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	230	U
100-02-7	4-Nitrophenol	560	U
121-14-2	2,4-Dinitrotoluene	230	U
84-66-2	Diethylphthalate	250	U
86-73-7	Fluorene	230	U
7005-72-3	4-Chlorophenyl-phenylether	230	U
100-01-6	4-Nitroaniline	340	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	220	U
103-33-3	Azobenzene	230	U
101-55-3	4-Bromophenyl-phenylether	210	U
118-74-1	Hexachlorobenzene	320	U
87-86-5	Pentachlorophenol	360	U
85-01-8	Phenanthrene	230	U
120-12-7	Anthracene	230	U
84-74-2	Di-n-butylphthalate	960	JB
206-44-0	Fluoranthene	160	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	160	J
85-68-7	Butylbenzylphthalate	300	U
56-55-3	Benzo[a]anthracene	240	U
91-94-1	3,3'-Dichlorobenzidine	420	U
218-01-9	Chrysene	180	J
117-81-7	bis(2-Ethylhexyl)phthalate	190	JB
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo[b]fluoranthene	300	U
207-08-9	Benzo[k]fluoranthene	220	U
50-32-8	Benzo[a]pyrene	230	U
193-39-5	Indeno[1,2,3-cd]pyrene	250	U
53-70-3	Dibenz[a,h]anthracene	290	U
191-24-2	Benzo[g,h,i]perylene	290	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-50

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.18

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN1445.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 17.49 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 14 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	19.18	1700	JN
2.	unknown	27.12	1700	J
3.	unknown	27.16	3800	J
4. 000112-88-9	1-Octadecene	27.58	9800	JN
5. 007390-81-0	Oxirane, hexadecyl-	28.52	2300	JN
6. 007098-22-8	Tetratetracontane	28.87	6000	JN
7. 000629-96-9	1-Eicosanol	28.93	5000	JN
8.	unknown	29.04	1900	J
9. 000057-88-5	Cholesterol	29.20	25000	JN
10.	unknown	29.53	1300	J
11.	unknown	29.61	1800	J
12.	unknown	29.88	2200	J
13. 004651-51-8	Ergost-5-en-3-ol, (3.beta.)-	29.97	2300	JN
14.	unknown	30.51	1500	J

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-51

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.20

Sample wt/vol: 10.03 (g/ml) G Lab File ID: BN1446.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 12.6 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	340	U
62-75-9	N-nitroso-dimethylamine	230	U
62-53-3	Aniline	250	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	240	U
95-57-8	2-Chlorophenol	220	U
541-73-1	1,3-Dichlorobenzene	240	U
106-46-7	1,4-Dichlorobenzene	330	U
100-51-6	Benzyl alcohol	300	U
95-50-1	1,2-Dichlorobenzene	270	U
	2-Methylphenol	230	U
108-60-1	bis(2-chloroisopropyl)ether	290	U
	4-Methylphenol	300	U
621-64-7	n-Nitroso-di-n-propylamine	280	U
67-72-1	Hexachloroethane	240	U
98-95-3	Nitrobenzene	310	U
78-59-1	Isophorone	290	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	140	U
120-83-2	2,4-Dichlorophenol	180	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	300	U
91-20-3	Naphthalene	280	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	280	U
59-50-7	4-Chloro-3-methylphenol	220	U
91-57-6	2-Methylnaphthalene	310	U
77-47-4	Hexachlorocyclopentadiene	65	U
88-06-2	2,4,6-Trichlorophenol	210	U
	2,4,5-Trichlorophenol	240	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	190	U
131-11-3	Dimethylphthalate	170	U
208-96-8	Acenaphthylene	220	U
606-20-2	2,6-Dinitrotoluene	260	U
99-09-2	3-Nitroaniline	290	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-51

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.20

Sample wt/vol: 10.03 (g/ml) G Lab File ID: BN1446.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 12.6 decanted:(Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	200	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	210	U
100-02-7	4-Nitrophenol	520	U
121-14-2	2,4-Dinitrotoluene	210	U
84-66-2	Diethylphthalate	230	U
86-73-7	Fluorene	220	U
7005-72-3	4-Chlorophenyl-phenylether	210	U
100-01-6	4-Nitroaniline	320	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	210	U
103-33-3	Azobenzene	220	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	300	U
87-86-5	Pentachlorophenol	340	U
85-01-8	Phenanthrene	220	U
120-12-7	Anthracene	220	U
84-74-2	Di-n-butylphthalate	360	JB
206-44-0	Fluoranthene	220	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	260	U
85-68-7	Butylbenzylphthalate	290	U
56-55-3	Benzo[a]anthracene	220	U
91-94-1	3,3'-Dichlorobenzidine	390	U
218-01-9	Chrysene	120	J
117-81-7	bis(2-Ethylhexyl)phthalate	440	B
117-84-0	Di-n-octylphthalate	320	U
205-99-2	Benzo[b]fluoranthene	280	U
207-08-9	Benzo[k]fluoranthene	210	U
50-32-8	Benzo[a]pyrene	210	U
193-39-5	Indeno[1,2,3-cd]pyrene	230	U
53-70-3	Dibenz[a,h]anthracene	270	U
191-24-2	Benzo[g,h,i]perylene	270	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-51

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3432 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3432.20

Sample wt/vol: 10.03 (g/ml) G Lab File ID: BN1446.D

Level: (low/med) LOW Date Received: 03/25/98

% Moisture: 12.6 decanted: (Y/N) N Date Extracted: 03/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/98

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	980	J
2.	unknown	27.12	970	J
3. 000638-68-6	Triacontane	27.56	1300	JN
4. 000630-06-8	Hexatriacontane	28.88	1000	JN
5. 001454-84-8	1-Nonadecanol	28.93	970	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-52

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.02

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN03668.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 15.48 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/1/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-52

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.02

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN03668.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 15.48 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/1/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	150	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	490	JB
206-44-0	Fluoranthene	280	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	230	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	120	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	130	J
117-81-7	bis(2-Ethylhexyl)phthalate	210	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-52

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.02

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN03668.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 15.48 decanted: (Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/1/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 7 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	670	JN
2. 000057-10-3	Hexadecanoic acid	19.60	1600	JN
3. 000057-11-4	Octadecanoic acid	21.19	520	JN
4. 000629-96-9	1-Eicosanol	24.77	1500	JN
5. 001599-67-3	1-Docosene	27.21	3600	JN
6. 006624-79-9	1-Dotriacontanol	28.81	2000	JN
7.	unknown	28.97	640	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-53

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.04

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BN03671.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 13.61 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/1/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-53

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.04

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BN03671.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 13.61 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/1/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1100	JB
206-44-0	Fluoranthene	120	J
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	190	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-53

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.04

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BN03671.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 13.61 decanted: (Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/1/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 22 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	4.14	500	J
2.		unknown	4.28	610	J
3.		unknown	5.09	1500	J
4.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	1400	JN
5.	000057-10-3	Hexadecanoic acid	19.60	2100	JN
6.	000544-63-8	Tetradecanoic acid	21.19	620	JN
7.	001454-84-8	1-Nonadecanol	23.51	9000	JN
8.	000057-11-4	Octadecanoic acid	23.98	660	JN
9.	006624-79-9	1-Dotriacontanol	24.78	1900	JN
10.	000057-11-4	Octadecanoic acid	25.22	460	JN
11.		unknown	25.59	800	J
12.	000630-06-8	Hexatriacontane	25.93	520	JN
13.	000629-96-9	1-Eicosanol	25.96	960	JN
14.	007390-81-0	Oxirane, hexadecyl-	26.80	630	JN
15.	000629-99-2	Pentacosane	27.14	730	JN
16.	001599-67-3	1-Docosene	27.21	3700	JN
17.	000000-00-0	2-Heptacosanone	27.32	520	JN
18.		unknown	27.97	510	J
19.	056554-93-9	15-Octadecenal	28.27	760	JN
20.	006624-79-9	1-Dotriacontanol	28.81	2600	JN
21.		unknown	28.98	910	J
22.	006971-40-0	17-Pentatriacontene	31.02	570	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-54

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.06

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BN03672.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 22.84 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
108-60-1	bis(2-chloroisopropyl)ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-54

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.06

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BN03672.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 22.84 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	330	J
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	1100	JB
206-44-0	Fluoranthene	920	J
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	790	J
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	390	J
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	590	J
117-81-7	bis(2-Ethylhexyl)phthalate	220	JB
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	500	J
207-08-9	Benzo[k]fluoranthene	380	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	1300	U
191-24-2	Benzo[g,h,i]perylene	220	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B-54

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.06

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BN03672.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 22.84 decanted: (Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 18 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.09	1400	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	1900	JN
3.	000057-10-3	Hexadecanoic acid	19.60	2100	JN
4.		unknown	20.55	860	J
5.	000057-11-4	Octadecanoic acid	21.18	580	JN
6.	001002-84-2	Pentadecanoic acid	23.98	660	JN
7.	040710-42-7	1-Hentetracontanol	24.77	1600	JN
8.		unknown	25.22	710	J
9.	000629-78-7	Heptadecane	25.92	1300	JN
10.		unknown	25.96	1200	J
11.	000629-92-5	Nonadecane	27.14	1900	JN
12.	000629-96-9	1-Eicosanol	27.21	3500	JN
13.	004651-51-8	Ergost-5-en-3-ol, (3.beta.)-	28.52	700	JN
14.	014021-23-9	D-Friedoolean-14-ene, 3-methoxy	28.70	1500	JN
15.	006971-40-0	17-Pentatriacontene	28.81	2800	JN
16.		unknown	28.97	920	J
17.		unknown	29.36	780	J
18.	000661-19-8	1-Docosanol	31.03	800	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-55

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.08

Sample wt/vol: 10.39 (g/ml) G Lab File ID: BN03682.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 17.44 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-55

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.08

Sample wt/vol: 10.39 (g/ml) G Lab File ID: BN03682.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 17.44 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1100	JB
206-44-0	Fluoranthene	180	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	160	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	120	J
117-81-7	bis(2-Ethylhexyl)phthalate	230	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-55

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.08

Sample wt/vol: 10.39 (g/ml) G Lab File ID: BN03682.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 17.44 decanted: (Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 25 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.10	1700	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	1400	JN
3.	000057-10-3	Hexadecanoic acid	19.60	2200	JN
4.	000112-95-8	Eicosane	22.16	1100	JN
5.	001454-84-8	1-Nonadecanol	23.51	8400	JN
6.	000112-85-6	Docosanoic acid	23.99	2300	JN
7.		unknown	24.78	5000	J
8.	000057-11-4	Octadecanoic acid	25.25	4700	JN
9.	000638-66-4	Octadecanal	25.61	2400	JN
10.	002363-71-5	Heneicosanoic acid	25.82	1100	JN
11.	000629-97-0	Docosane	25.94	6000	JN
12.		unknown	25.98	4000	J
13.	002363-71-5	Heneicosanoic acid	26.42	2800	JN
14.	000638-66-4	Octadecanal	26.80	2200	JN
15.	000629-78-7	Heptadecane	27.15	4100	JN
16.	001599-67-3	1-Docosene	27.23	3800	JN
17.	000000-00-0	2-Heptacosanone	27.34	2600	JN
18.	077899-10-6	(Z)14-Tricosenyl formate	28.29	2600	JN
19.	000629-78-7	Heptadecane	28.69	1600	JN
20.	000661-19-8	1-Docosanol	28.84	2200	JN
21.	001192-22-9	Oxirane, 3-ethyl-2,2-dimethyl-	28.99	3000	JN
22.	000083-47-6	.gamma.-Sitosterol	29.40	2500	JN
23.		unknown	29.50	1300	J
24.		unknown	29.95	1100	J
25.		unknown	31.25	1200	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-56

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.10

Sample wt/vol: 9.94 (g/ml) G Lab File ID: BN03673.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 13.36 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-56

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.10

Sample wt/vol: 9.94 (g/ml) G Lab File ID: BN03673.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 13.36 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	140	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	320	JB
206-44-0	Fluoranthene	330	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	320	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	200	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	300	J
117-81-7	bis(2-Ethylhexyl)phthalate	130	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	350	J
207-08-9	Benzo[k]fluoranthene	250	J
50-32-8	Benzo[a]pyrene	250	J
193-39-5	Indeno[1,2,3-cd]pyrene	150	J
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	170	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-56

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.10

Sample wt/vol: 9.94 (g/ml) G Lab File ID: BN03673.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 13.36 decanted: (Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.09	1200	J
2.	unknown	17.52	620	J
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	2800	JN
4. 000057-10-3	Hexadecanoic acid	19.60	1400	JN
5. 007704-34-9	Sulfur	20.58	4200	JN
6.	unknown	24.77	1700	J
7. 002363-71-5	Heneicosanoic acid	25.22	500	JN
8. 000629-78-7	Heptadecane	25.94	2300	JN
9.	unknown	25.96	1600	J
10. 077899-10-6	(Z)14-Tricosenyl formate	26.81	1100	JN
11. 007225-64-1	Heptadecane, 9-octyl-	27.15	2300	JN
12. 001599-67-3	1-Docosene	27.22	2900	JN
13.	unknown	27.34	560	J
14. 000638-68-6	Triacontane	28.70	800	JN
15. 006971-40-0	17-Pentatriacontene	28.83	2900	JN
16.	unknown	28.98	860	J
17. 000083-47-6	.gamma.-Sitosterol	29.38	1800	JN
18.	unknown	30.09	640	J
19. 001058-61-3	Stigmast-4-en-3-one	30.89	640	JN
20.	unknown	31.04	520	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-57

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.12

Sample wt/vol: 9.97 (g/ml) G Lab File ID: BN03674.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 16.04 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-57

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.12

Sample wt/vol: 9.97 (g/ml) G Lab File ID: BN03674.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 16.04 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1100	JB
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
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	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	190	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-57

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.12

Sample wt/vol: 9.97 (g/ml) G Lab File ID: BN03674.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 16.04 decanted: (Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.29	580	J
2.	unknown	5.09	1700	J
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	1400	JN
4. 000057-10-3	Hexadecanoic acid	19.60	1700	JN
5. 018435-45-5	1-Nonadecene	23.50	8000	JN
6. 000661-19-8	1-Docosanol	24.77	1200	JN
7. 000629-96-9	1-Eicosanol	27.21	3300	JN
8. 001653-33-4	4-Tetradecanol	28.81	1800	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-58

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.14

Sample wt/vol: 10.93 (g/ml) G Lab File ID: BN03680.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 14.18 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-58

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.14

Sample wt/vol: 10.93 (g/ml) G Lab File ID: BN03680.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 14.18 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1600	B
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	190	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-58

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.14

Sample wt/vol: 10.93 (g/ml) G Lab File ID: BN03680.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 14.18 decanted: (Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 8 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.10	1300	J
2.	unknown	18.86	2100	J
3. 000057-10-3	Hexadecanoic acid	19.59	1000	JN
4. 001454-84-8	1-Nonadecanol	23.51	8100	JN
5. 006971-40-0	17-Pentatriacontene	24.15	440	JN
6. 000629-96-9	1-Eicosanol	24.77	1100	JN
7. 006624-79-9	1-Dotriacontanol	27.20	2700	JN
8. 001454-84-8	1-Nonadecanol	28.81	1500	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-59

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.16

Sample wt/vol: 9.92 (g/ml) G Lab File ID: BN03681.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 8.78 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-59

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.16

Sample wt/vol: 9.92 (g/ml) G Lab File ID: BN03681.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 8.78 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	120	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	510	JB
206-44-0	Fluoranthene	260	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	240	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	150	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)phthalate	250	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	200	J
207-08-9	Benzo[k]fluoranthene	150	J
50-32-8	Benzo[a]pyrene	130	J
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-59

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.16

Sample wt/vol: 9.92 (g/ml) G Lab File ID: BN03681.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 8.78 decanted: (Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 10 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000107-88-0	1,3-Butanediol	4.30	450	JN
2.	unknown	5.10	1500	J
3.	unknown	18.86	680	J
4. 000057-10-3	Hexadecanoic acid	19.60	1600	JN
5. 000057-11-4	Octadecanoic acid	21.19	490	JN
6. 006624-79-9	1-Dotriacontanol	24.15	460	JN
7. 000506-52-5	1-Hexacosanol	24.77	1600	JN
8. 001599-67-3	1-Docosene	27.21	3100	JN
9.	unknown	27.96	770	J
10. 000629-96-9	1-Eicosanol	28.81	1500	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-60

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.18

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BN03683.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 8.56 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-60

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.18

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BN03683.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 8.56 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	800	JB
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	190	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B-60

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.18

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BN03683.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 8.56 decanted: (Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 8 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.11	1100	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	980	JN
3. 000057-10-3	Hexadecanoic acid	19.59	570	JN
4. 000629-96-9	1-Eicosanol	23.50	4700	JN
5. 001454-85-9	1-Heptadecanol	24.77	600	JN
6. 000502-62-5	.Psi.,.psi.-Carotene, 7,7',8,8',11,1	25.59	450	JN
7. 000629-96-9	1-Eicosanol	27.21	1200	JN
8. 006971-40-0	17-Pentatriacontene	28.82	520	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-61

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.20

Sample wt/vol: 11 (g/ml) G Lab File ID: BN03684.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 9.74 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-61

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.20

Sample wt/vol: 11 (g/ml) G Lab File ID: BN03684.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 9.74 decanted:(Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	1800	B
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	260	JB
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-61

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4748 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4748.20

Sample wt/vol: 11 (g/ml) G Lab File ID: BN03684.D

Level: (low/med) LOW Date Received: 8/26/99

% Moisture: 9.74 decanted: (Y/N) N Date Extracted: 8/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 13 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.17	570	J
2.	unknown	4.31	800	J
3.	unknown	5.10	1500	J
4. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	2800	JN
5. 000057-10-3	Hexadecanoic acid	19.61	1800	JN
6. 000112-92-5	1-Octadecanol	20.59	430	JN
7. 000057-11-4	Octadecanoic acid	21.19	420	JN
8. 001454-84-8	1-Nonadecanol	23.51	7200	JN
9. 000661-19-8	1-Docosanol	24.77	1100	JN
10.	unknown	25.60	1400	J
11. 000629-96-9	1-Eicosanol	27.21	2500	JN
12.	unknown	27.96	520	J
13. 000629-96-9	1-Eicosanol	28.81	1100	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-63

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.02

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN03687.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 13.07 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-63

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.02

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN03687.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 13.07 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	2200	B
206-44-0	Fluoranthene	310	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	260	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	150	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	160	J
117-81-7	bis(2-Ethylhexyl)phthalate	400	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	130	J
207-08-9	Benzo[k]fluoranthene	120	J
50-32-8	Benzo[a]pyrene	130	J
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-63

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.02

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN03687.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 13.07 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	4.30	520	J
2.		unknown	5.10	1600	J
3.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.87	4100	JN
4.	000057-10-3	Hexadecanoic acid	19.60	1500	JN
5.	010544-50-0	Sulfur, mol. (S8)	20.57	4200	JN
6.		unknown	22.42	480	J
7.	001928-30-9	Tricosane, 2-methyl-	22.86	740	JN
8.	040710-42-7	1-Hentetracontanol	24.15	590	JN
9.	006971-40-0	17-Pentatriacontene	24.77	2600	JN
10.	000629-92-5	Nonadecane	25.93	960	JN
11.	000297-03-0	Cyclotetracosane	25.97	1200	JN
12.	056554-89-3	14-Octadecenal	26.80	740	JN
13.	000629-78-7	Heptadecane	27.14	830	JN
14.	001599-67-3	1-Docosene	27.21	3500	JN
15.		unknown	27.33	830	J
16.		unknown	27.97	770	J
17.	007390-81-0	Oxirane, hexadecyl-	28.27	810	JN
18.	000629-96-9	1-Eicosanol	28.82	1800	JN
19.		unknown	28.98	640	J
20.	000083-47-6	.gamma.-Sitosterol	29.37	630	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-64

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.04

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BN03690.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 18.56 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-64

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.04

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BN03690.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 18.56 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	970	JB
206-44-0	Fluoranthene	720	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1000	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	580	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	780	J
117-81-7	bis(2-Ethylhexyl)phthalate	140	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	510	J
207-08-9	Benzo[k]fluoranthene	390	J
50-32-8	Benzo[a]pyrene	490	J
193-39-5	Indeno[1,2,3-cd]pyrene	210	J
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	240	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-64

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.04

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BN03690.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 18.56 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000513-85-9	2,3-Butanediol	4.16	630	JN
2.	unknown	4.30	630	J
3.	unknown	5.09	1700	J
4. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	1700	JN
5. 000057-10-3	Hexadecanoic acid	19.59	860	JN
6. 000544-76-3	Hexadecane	22.85	560	JN
7. 000629-96-9	1-Eicosanol	24.77	910	JN
8. 000205-82-3	Benzo[j]fluoranthene	26.05	530	JN
9. 001454-84-8	1-Nonadecanol	27.21	2100	JN
10. 000112-92-5	1-Octadecanol	28.82	690	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-65

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.06

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BN03691.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 15.94 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-65

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.06

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BN03691.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 15.94 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1100	JB
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
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	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	240	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-65

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.06

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BN03691.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 15.94 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 6 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.10	1400	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	2100	JN
3. 000629-96-9	1-Eicosanol	23.51	7600	JN
4. 001454-84-8	1-Nonadecanol	24.78	1000	JN
5. 001599-67-3	1-Docosene	27.21	2400	JN
6. 000629-96-9	1-Eicosanol	28.81	1100	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-66

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.08

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN03692.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 15.09 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-66

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.08

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN03692.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 15.09 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	200	J
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	280	JB
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
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	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	120	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-66

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.08

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN03692.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 15.09 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 8 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.29	470	J
2.	unknown	5.09	1600	J
3.	unknown	18.86	520	J
4. 000057-10-3	Hexadecanoic acid	19.59	670	JN
5. 000112-88-9	1-Octadecene	23.51	7400	JN
6. 001454-84-8	1-Nonadecanol	24.78	1100	JN
7. 000629-96-9	1-Eicosanol	27.21	2500	JN
8. 006624-79-9	1-Dotriacontanol	28.82	1200	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-67

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.10

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN03695.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 11.89 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-67

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.10

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN03695.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 11.89 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	140	J
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	290	JB
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	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-67

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.10

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN03695.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 11.89 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.10	1300	J
2.	unknown	18.85	640	J
3. 000057-10-3	Hexadecanoic acid	19.59	1000	JN
4. 000112-88-9	1-Octadecene	23.50	7400	JN
5. 000661-19-8	1-Docosanol	24.76	1200	JN
6.	unknown	25.58	540	J
7. 000629-96-9	1-Eicosanol	27.19	2100	JN
8. 006971-40-0	17-Pentatriacontene	28.80	1200	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-68

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.12

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BN03696.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 7.48 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-68

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.12

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BN03696.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 7.48 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	720	JB
206-44-0	Fluoranthene	130	J
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	140	J
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	120	J
117-81-7	bis(2-Ethylhexyl)phthalate	200	JB
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-68

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.12

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BN03696.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 7.48 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.10	1300	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	1500	JN
3. 010544-50-0	Sulfur, mol. (S8)	20.55	1800	JN
4. 000112-88-9	1-Octadecene	23.50	7200	JN
5. 001599-67-3	1-Docosene	24.76	1300	JN
6. 000629-96-9	1-Eicosanol	27.20	2400	JN
7. 006971-40-0	17-Pentatriacontene	28.80	1300	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-69

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.14

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN03697.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 10.44 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-69

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.14

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN03697.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 10.44 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	840	JB
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	120	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-69

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.14

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN03697.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 10.44 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 8 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.31	450	J
2.	unknown	5.10	1400	J
3.	unknown	18.85	1300	J
4. 000057-10-3	Hexadecanoic acid	19.58	490	JN
5. 001454-84-8	1-Nonadecanol	23.50	7200	JN
6. 000629-96-9	1-Eicosanol	24.76	1100	JN
7. 001599-67-3	1-Docosene	27.19	2600	JN
8. 000629-96-9	1-Eicosanol	28.79	1200	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-70

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.16

Sample wt/vol: 10.34 (g/ml) G Lab File ID: BN03698.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 14.03 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-70

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.16

Sample wt/vol: 10.34 (g/ml) G Lab File ID: BN03698.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 14.03 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1300	B
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	190	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B-70

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.16

Sample wt/vol: 10.34 (g/ml) G Lab File ID: BN03698.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 14.03 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 21 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000107-88-0	1,3-Butanediol	4.30	500	JN
2.	unknown	5.10	1100	J
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.85	2700	JN
4. 000057-10-3	Hexadecanoic acid	19.58	950	JN
5. 007206-21-5	5-Octadecene, (E)-	20.58	560	JN
6. 001454-84-8	1-Nonadecanol	23.49	6700	JN
7. 006971-40-0	17-Pentatriacontene	24.76	1800	JN
8. 000000-00-0	1-Hexacosanal	25.59	820	JN
9. 000630-06-8	Hexatriacontane	25.91	850	JN
10. 000297-03-0	Cyclotetracosane	25.95	1300	JN
11. 056554-89-3	14-Octadecenal	26.78	1100	JN
12. 055045-08-4	Dodecane, 2-methyl-6-propyl-	27.12	1000	JN
13. 001599-67-3	1-Docosene	27.20	3000	JN
14. 000000-00-0	2-Heptacosanone	27.32	680	JN
15. 056554-86-0	17-Octadecenal	28.25	1200	JN
16. 014167-59-0	Tetratriacontane	28.66	490	JN
17. 006971-40-0	17-Pentatriacontene	28.79	1900	JN
18.	unknown	28.94	970	J
19. 000083-47-6	.gamma.-Sitosterol	29.33	470	JN
20.	unknown	31.00	460	J
21.	unknown	31.21	470	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-71

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.18

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN03707.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 15.04 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-71

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.18

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN03707.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 15.04 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1800	
120-12-7	Anthracene	520	J
84-74-2	Di-n-butylphthalate	460	JB
206-44-0	Fluoranthene	3400	
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	2500	
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1400	
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1400	
117-81-7	bis(2-Ethylhexyl)phthalate	290	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1200	
207-08-9	Benzo[k]fluoranthene	1100	
50-32-8	Benzo[a]pyrene	1300	
193-39-5	Indeno[1,2,3-cd]pyrene	620	J
53-70-3	Dibenz[a,h]anthracene	180	J
191-24-2	Benzo[g,h,i]perylene	610	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-71

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.18

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN03707.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 15.04 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.09	1600	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.85	690	JN
3. 000057-10-3	Hexadecanoic acid	19.59	1100	JN
4. 000057-11-4	Octadecanoic acid	21.18	510	JN
5.	unknown	23.08	470	J
6. 000112-85-6	Docosanoic acid	23.97	620	JN
7. 000112-88-9	1-Octadecene	24.77	980	JN
8. 000205-82-3	Benzo[j]fluoranthene	26.04	920	JN
9. 000629-96-9	1-Eicosanol	27.21	2100	JN
10.	unknown	28.80	1100	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-72

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.20

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN03699.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 13.64 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-72

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.20

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN03699.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 13.64 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	940	JB
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
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	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	160	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-72

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.20

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN03699.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 13.64 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 9 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.17	470	J
2. 000513-85-9	2,3-Butanediol	4.31	500	JN
3.	unknown	5.10	1700	J
4. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.85	1400	JN
5. 000057-10-3	Hexadecanoic acid	19.58	720	JN
6. 001454-84-8	1-Nonadecanol	23.49	6700	JN
7. 001454-85-9	1-Heptadecanol	24.76	970	JN
8. 000629-96-9	1-Eicosanol	27.19	2000	JN
9. 000506-52-5	1-Hexacosanol	28.79	960	JN

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-73

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.22

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BN03700.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 5.41 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-73

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.22

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BN03700.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 5.41 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	670	JB
206-44-0	Fluoranthene	120	J
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	120	J
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	110	JB
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B-73

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4754 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4754.22

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BN03700.D

Level: (low/med) LOW Date Received: 8/27/99

% Moisture: 5.41 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.10	940	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.85	1100	JN
3.	000072-54-8	1,1-Dichloro-2,2-bis(p-chlorophen	22.19	540	JN
4.	000629-96-9	1-Eicosanol	23.50	6300	JN
5.		unknown	24.14	460	J
6.	000629-96-9	1-Eicosanol	24.76	2300	JN
7.	056554-89-3	14-Octadecenal	25.60	810	JN
8.	000630-07-9	Pentatriacontane	25.92	890	JN
9.		unknown	25.95	1300	J
10.	056554-89-3	14-Octadecenal	26.79	1000	JN
11.	000630-06-8	Hexatriacontane	27.13	950	JN
12.	000629-96-9	1-Eicosanol	27.20	2400	JN
13.	000000-00-0	2-Heptacosanone	27.31	530	JN
14.		unknown	28.26	1300	J
15.	000661-19-8	1-Docosanol	28.80	2200	JN
16.		unknown	28.96	820	J
17.	000083-47-6	.gamma.-Sitosterol	29.35	1400	JN
18.	077899-10-6	(Z)14-Tricosenyl formate	30.25	890	JN
19.	001599-67-3	1-Docosene	31.01	630	JN
20.		unknown	31.22	440	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-74

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.02

Sample wt/vol: 10.25 (g/ml) G Lab File ID: BN03702.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 10.46 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-74

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.02

Sample wt/vol: 10.25 (g/ml) G Lab File ID: BN03702.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 10.46 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	340	JB
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	230	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-74

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.02

Sample wt/vol: 10.25 (g/ml) G Lab File ID: BN03702.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 10.46 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 13 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.10	1600	J
2.		unknown	18.85	640	J
3.	000057-10-3	Hexadecanoic acid	19.59	810	JN
4.	001454-84-8	1-Nonadecanol	23.49	6000	JN
5.	000629-96-9	1-Eicosanol	24.76	1000	JN
6.		unknown	25.95	630	J
7.	000629-78-7	Heptadecane	27.13	600	JN
8.	001599-67-3	1-Docosene	27.19	2000	JN
9.		unknown	28.26	510	J
10.	014021-23-9	D-Friedoolean-14-ene, 3-methoxy	28.69	1000	JN
11.	006971-40-0	17-Pentatriacontene	28.80	1600	JN
12.	000083-47-6	.gamma.-Sitosterol	29.34	530	JN
13.	006624-79-9	1-Dotriacontanol	31.01	460	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-75

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.04

Sample wt/vol: 10.58 (g/ml) G Lab File ID: BN03703.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 13.79 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-75

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.04

Sample wt/vol: 10.58 (g/ml) G Lab File ID: BN03703.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 13.79 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	450	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1300	B
206-44-0	Fluoranthene	820	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	710	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	400	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	500	J
117-81-7	bis(2-Ethylhexyl)phthalate	260	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	420	J
207-08-9	Benzo[k]fluoranthene	430	J
50-32-8	Benzo[a]pyrene	390	J
193-39-5	Indeno[1,2,3-cd]pyrene	230	J
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	230	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-75

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.04

Sample wt/vol: 10.58 (g/ml) G Lab File ID: BN03703.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 13.79 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 13 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.10	1700	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	2000	JN
3. 000057-10-3	Hexadecanoic acid	19.58	1000	JN
4. 000593-45-3	Octadecane	22.85	550	JN
5. 025276-70-4	1-Pentadecanethiol	24.14	440	JN
6. 006624-79-9	1-Dotriacontanol	24.76	1300	JN
7. 000629-78-7	Heptadecane	25.92	570	JN
8. 036653-82-4	1-Hexadecanol	25.95	670	JN
9. 000198-55-0	Perylene	26.03	530	JN
10. 000630-06-8	Hexatriacontane	27.12	650	JN
11. 001599-67-3	1-Docosene	27.20	2200	JN
12. 006971-40-0	17-Pentatriacontene	28.80	990	JN
13.	unknown	28.94	1200	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-76

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.06

Sample wt/vol: 10.69 (g/ml) G Lab File ID: BN03704.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 8.45 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-76

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.06

Sample wt/vol: 10.69 (g/ml) G Lab File ID: BN03704.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 8.45 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	240	JB
206-44-0	Fluoranthene	230	J
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	260	J
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	230	J
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	300	J
117-81-7	bis(2-Ethylhexyl)phthalate	220	JB
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	320	J
207-08-9	Benzo[k]fluoranthene	320	J
50-32-8	Benzo[a]pyrene	300	J
193-39-5	Indeno[1,2,3-cd]pyrene	170	J
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	170	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-76

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.06

Sample wt/vol: 10.69 (g/ml) G Lab File ID: BN03704.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 8.45 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 24 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.10	1400	J
2.		unknown	18.85	480	J
3.	000057-10-3	Hexadecanoic acid	19.59	1500	JN
4.	007704-34-9	Sulfur	20.55	1300	JN
5.	000057-11-4	Octadecanoic acid	21.18	460	JN
6.	000124-25-4	Tetradecanal	23.08	410	JN
7.	000112-85-6	Docosanoic acid	23.97	540	JN
8.	006971-40-0	17-Pentatriacontene	24.13	510	JN
9.	006971-40-0	17-Pentatriacontene	24.77	2500	JN
10.	002363-71-5	Heneicosanoic acid	25.22	580	JN
11.	000629-92-5	Nonadecane	25.92	1300	JN
12.	000297-03-0	Cyclotetracosane	25.96	1400	JN
13.		unknown	26.05	680	J
14.	056554-86-0	17-Octadecenal	26.79	1200	JN
15.	000629-94-7	Heneicosane	27.13	1200	JN
16.	001599-67-3	1-Docosene	27.21	2900	JN
17.		unknown	27.33	770	J
18.	004651-51-8	Ergost-5-en-3-ol, (3.beta.)-	28.53	960	JN
19.		unknown	28.73	6200	J
20.		unknown	28.81	1900	J
21.		unknown	28.96	950	J
22.	000083-47-6	.gamma.-Sitosterol	29.36	1000	JN
23.		unknown	29.79	550	J
24.		unknown	31.23	420	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-77

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.08

Sample wt/vol: 10.15 (g/ml) G Lab File ID: BN03705.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 12.41 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-77

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.08

Sample wt/vol: 10.15 (g/ml) G Lab File ID: BN03705.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 12.41 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	120	J
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	230	JB
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	180	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-77

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.08

Sample wt/vol: 10.15 (g/ml) G Lab File ID: BN03705.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 12.41 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 8 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.10	1300	J
2.	unknown	18.85	480	J
3. 000057-10-3	Hexadecanoic acid	19.59	1200	JN
4. 074685-30-6	5-Eicosene, (E)-	23.49	6800	JN
5. 000661-19-8	1-Docosanol	24.76	950	JN
6.	unknown	25.58	670	J
7. 006971-40-0	17-Pentatriacontene	27.20	2000	JN
8. 000629-96-9	1-Eicosanol	28.80	950	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-78

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.10

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BN03706.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 13.18 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-78

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.10

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BN03706.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 13.18 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1000	JB
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
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	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	230	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-78

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.10

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BN03706.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 13.18 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.10	1300	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.85	1700	JN
3. 000057-10-3	Hexadecanoic acid	19.59	1200	JN
4. 000112-88-9	1-Octadecene	23.50	7300	JN
5. 006624-79-9	1-Dotriacontanol	24.76	1100	JN
6. 000629-96-9	1-Eicosanol	27.20	2500	JN
7. 000661-19-8	1-Docosanol	28.80	1200	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-79

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.12

Sample wt/vol: 9.95 (g/ml) G Lab File ID: BN03727.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 17.9 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-79

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.12

Sample wt/vol: 9.95 (g/ml) G Lab File ID: BN03727.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 17.9 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	140	J
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	210	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	260	JB
206-44-0	Fluoranthene	310	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	300	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	140	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	210	J
117-81-7	bis(2-Ethylhexyl)phthalate	230	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	140	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	1200	U
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-79

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.12

Sample wt/vol: 9.95 (g/ml) G Lab File ID: BN03727.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 17.9 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 19 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.18	630	J
2.	unknown	4.31	590	J
3.	unknown	5.11	1600	J
4. 000057-10-3	Hexadecanoic acid	19.61	2400	JN
5. 010544-50-0	Sulfur, mol. (S8)	20.57	2300	JN
6. 000057-11-4	Octadecanoic acid	21.20	680	JN
7. 000112-85-6	Docosanoic acid	23.99	660	JN
8.	unknown	24.16	660	J
9. 006971-40-0	17-Pentatriacontene	24.78	1400	JN
10. 000630-03-5	Nonacosane	25.94	670	JN
11.	unknown	25.97	750	J
12. 000000-00-0	1-Hexacosanal	26.81	1000	JN
13. 000629-94-7	Heneicosane	27.15	1100	JN
14. 000629-96-9	1-Eicosanol	27.22	3000	JN
15.	unknown	27.34	590	J
16.	unknown	27.98	690	J
17.	unknown	28.29	910	J
18. 000629-96-9	1-Eicosanol	28.83	1500	JN
19. 000083-47-6	.gamma.-Sitosterol	29.38	690	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-80

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.14

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03716.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 14.92 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-80

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.14

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03716.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 14.92 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	440	JB
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
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	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	190	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-80

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.14

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03716.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 14.92 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 7 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.10	1800	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	790	JN
3. 000057-10-3	Hexadecanoic acid	19.59	780	JN
4. 018435-45-5	1-Nonadecene	23.51	7100	JN
5. 001599-67-3	1-Docosene	24.78	930	JN
6. 000629-96-9	1-Eicosanol	27.21	2200	JN
7. 006624-79-9	1-Dotriacontanol	28.81	1300	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-81

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.16

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BN03717.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 18.54 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-81

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.16

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BN03717.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 18.54 decanted:(Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	150	J
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	1000	JB
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
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	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	220	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-81

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.16

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BN03717.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 18.54 decanted: (Y/N) N Date Extracted: 8/31/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 18 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.10	1700	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	1800	JN
3.	000057-10-3	Hexadecanoic acid	19.60	1500	JN
4.	010544-50-0	Sulfur, mol. (S8)	20.55	600	JN
5.	001454-84-8	1-Nonadecanol	23.51	6100	JN
6.	006624-79-9	1-Dotriacontanol	24.77	1200	JN
7.		unknown	25.60	1100	J
8.	000646-31-1	Tetracosane	25.93	770	JN
9.		unknown	25.97	840	J
10.	056554-87-1	16-Octadecenal	26.80	550	JN
11.	000630-06-8	Hexatriacontane	27.14	980	JN
12.	001599-67-3	1-Docosene	27.21	2300	JN
13.	000638-66-4	Octadecanal	28.28	770	JN
14.		unknown	28.71	1000	J
15.	000629-96-9	1-Eicosanol	28.82	2000	JN
16.		unknown	28.96	1500	J
17.		unknown	29.15	740	J
18.	000083-47-6	.gamma.-Sitosterol	29.36	1100	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-82

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.18

Sample wt/vol: 10.99 (g/ml) G Lab File ID: BN03718.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 20.67 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-82

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.18

Sample wt/vol: 10.99 (g/ml) G Lab File ID: BN03718.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 20.67 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	860	JB
206-44-0	Fluoranthene	130	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	130	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	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B-82

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.18

Sample wt/vol: 10.99 (g/ml) G Lab File ID: BN03718.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 20.67 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 25 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	4.19	510	J
2.		unknown	4.31	520	J
3.		unknown	5.10	1700	J
4.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	1200	JN
5.	000057-10-3	Hexadecanoic acid	19.60	1900	JN
6.	000057-11-4	Octadecanoic acid	21.19	760	JN
7.	056554-89-3	14-Octadecenal	23.09	470	JN
8.	001454-84-8	1-Nonadecanol	23.51	8100	JN
9.	000112-85-6	Docosanoic acid	23.99	760	JN
10.	002490-48-4	1-Hexadecanol, 2-methyl-	24.15	650	JN
11.		unknown	24.78	3800	J
12.	000112-85-6	Docosanoic acid	25.23	610	JN
13.	000000-00-0	1-Hexacosanal	25.61	1500	JN
14.	000646-31-1	Tetracosane	25.94	2800	JN
15.	000297-03-0	Cyclotetracosane	25.97	2000	JN
16.	000000-00-0	2-Heptacosanone	26.07	510	JN
17.	056554-87-1	16-Octadecenal	26.80	1600	JN
18.	000629-92-5	Nonadecane	27.14	2200	JN
19.	001599-67-3	1-Docosene	27.23	3600	JN
20.	000000-00-0	2-Heptacosanone	27.34	1100	JN
21.	000000-00-0	1-Hexacosanal	28.29	1600	JN
22.	000638-68-6	Triacontane	28.70	940	JN
23.	000629-96-9	1-Eicosanol	28.83	2200	JN
24.		unknown	28.99	1300	J
25.	000083-47-6	.gamma.-Sitosterol	29.39	1200	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-83

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.20

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BN03721.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 14.27 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-83

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.20

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BN03721.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 14.27 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1200	B
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	3100	B
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-83

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.20

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BN03721.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 14.27 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 11 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.11	1200	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	1800	JN
3. 000057-10-3	Hexadecanoic acid	19.61	1500	JN
4. 001002-84-2	Pentadecanoic acid	21.19	490	JN
5. 001454-84-8	1-Nonadecanol	23.51	7600	JN
6. 000629-96-9	1-Eicosanol	24.78	1000	JN
7.	unknown	25.33	680	J
8.	unknown	25.60	580	J
9. 000629-96-9	1-Eicosanol	27.22	2100	JN
10.	unknown	27.97	680	J
11. 006624-79-9	1-Dotriacontanol	28.82	1000	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-84

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.22

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN03722.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 17.82 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-84

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.22

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN03722.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 17.82 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	240	J
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	2200	B
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
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	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	260	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-84

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.22

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN03722.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 17.82 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 12 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.19	510	J
2.	unknown	4.32	550	J
3.	unknown	5.11	1600	J
4. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.87	3500	JN
5. 000057-10-3	Hexadecanoic acid	19.60	1400	JN
6. 000112-95-8	Eicosane	22.86	560	JN
7. 001454-84-8	1-Nonadecanol	23.51	8700	JN
8. 006971-40-0	17-Pentatriacontene	24.16	500	JN
9. 000629-96-9	1-Eicosanol	24.78	1300	JN
10. 001454-84-8	1-Nonadecanol	27.22	2700	JN
11.	unknown	27.97	640	J
12. 000629-96-9	1-Eicosanol	28.82	1200	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-85

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.24

Sample wt/vol: 10.87 (g/ml) G Lab File ID: BN03723.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 6.36 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	980	U
62-75-9	N-nitroso-dimethylamine	980	U
62-53-3	Aniline	980	U
108-95-2	Phenol	980	U
111-44-4	bis(2-Chloroethyl)ether	980	U
95-57-8	2-Chlorophenol	980	U
541-73-1	1,3-Dichlorobenzene	980	U
106-46-7	1,4-Dichlorobenzene	980	U
100-51-6	Benzyl alcohol	980	U
95-50-1	1,2-Dichlorobenzene	980	U
95-48-7	2-Methylphenol	980	U
108-60-1	bis(2-chloroisopropyl)ether	980	U
106-44-5	4-Methylphenol	980	U
621-64-7	n-Nitroso-di-n-propylamine	980	U
67-72-1	Hexachloroethane	980	U
98-95-3	Nitrobenzene	980	U
78-59-1	Isophorone	980	U
88-75-5	2-Nitrophenol	980	U
105-67-9	2,4-Dimethylphenol	980	U
111-91-1	bis(2-Chloroethoxy)methane	980	U
120-83-2	2,4-Dichlorophenol	980	U
65-85-0	Benzoic Acid	980	U
120-82-1	1,2,4-Trichlorobenzene	980	U
91-20-3	Naphthalene	980	U
106-47-8	4-Chloroaniline	980	U
87-68-3	Hexachlorobutadiene	980	U
59-50-7	4-Chloro-3-methylphenol	980	U
91-57-6	2-Methylnaphthalene	980	U
77-47-4	Hexachlorocyclopentadiene	980	U
88-06-2	2,4,6-Trichlorophenol	980	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	980	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	980	U
208-96-8	Acenaphthylene	980	U
606-20-2	2,6-Dinitrotoluene	980	U
99-09-2	3-Nitroaniline	980	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-85

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.24

Sample wt/vol: 10.87 (g/ml) G Lab File ID: BN03723.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 6.36 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	980	U
51-28-5	2,4-Dinitrophenol	980	U
132-64-9	Dibenzofuran	980	U
100-02-7	4-Nitrophenol	980	U
121-14-2	2,4-Dinitrotoluene	980	U
84-66-2	Diethylphthalate	980	U
86-73-7	Fluorene	980	U
7005-72-3	4-Chlorophenyl-phenylether	980	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	n-Nitrosodiphenylamine	980	U
103-33-3	Azobenzene	980	U
101-55-3	4-Bromophenyl-phenylether	980	U
118-74-1	Hexachlorobenzene	980	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	980	U
120-12-7	Anthracene	980	U
84-74-2	Di-n-butylphthalate	1300	B
206-44-0	Fluoranthene	980	U
92-87-5	Benzidine	980	U
129-00-0	Pyrene	980	U
85-68-7	Butylbenzylphthalate	980	U
56-55-3	Benzo[a]anthracene	980	U
91-94-1	3,3'-Dichlorobenzidine	980	U
218-01-9	Chrysene	980	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	JB
117-84-0	Di-n-octylphthalate	980	U
205-99-2	Benzo[b]fluoranthene	980	U
207-08-9	Benzo[k]fluoranthene	980	U
50-32-8	Benzo[a]pyrene	980	U
193-39-5	Indeno[1,2,3-cd]pyrene	980	U
53-70-3	Dibenz[a,h]anthracene	980	U
191-24-2	Benzo[g,h,i]perylene	980	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-85

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.24

Sample wt/vol: 10.87 (g/ml) G Lab File ID: BN03723.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 6.36 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 19 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000513-85-9	2,3-Butanediol	4.32	500	JN
2.	unknown	5.10	1400	J
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.86	2100	JN
4. 000057-10-3	Hexadecanoic acid	19.61	1500	JN
5. 000112-88-9	1-Octadecene	20.60	430	JN
6. 000057-11-4	Octadecanoic acid	21.19	460	JN
7. 074685-30-6	5-Eicosene, (E)-	23.51	7000	JN
8. 000506-30-9	Eicosanoic acid	23.99	490	JN
9.	unknown	24.16	410	J
10. 006624-79-9	1-Dotriacontanol	24.78	950	JN
11.	unknown	25.60	500	J
12. 000629-97-0	Docosane	27.15	630	JN
13. 001599-67-3	1-Docosene	27.22	2100	JN
14.	unknown	27.97	500	J
15. 000638-66-4	Octadecanal	28.28	420	JN
16.	unknown	28.53	630	J
17. 007206-19-1	3-Octadecene, (E)-	28.82	1800	JN
18.	unknown	28.96	780	J
19. 000083-47-6	.gamma.-Sitosterol	29.36	890	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-86

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.26

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BN03724.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 8.76 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-86

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.26

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BN03724.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 8.76 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	1600	B
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	190	JB
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-86

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.26

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BN03724.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 8.76 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.10	1200	J
2.	unknown	18.87	2200	J
3. 000057-10-3	Hexadecanoic acid	19.59	770	JN
4. 036653-82-4	1-Hexadecanol	20.59	430	JN
5. 001454-84-8	1-Nonadecanol	23.51	7200	JN
6. 006624-79-9	1-Dotriacontanol	24.15	500	JN
7. 006624-79-9	1-Dotriacontanol	24.77	940	JN
8. 001599-67-3	1-Docosene	27.21	2400	JN
9. 006971-40-0	17-Pentatriacontene	28.82	1100	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-87

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.28

Sample wt/vol: 10.68 (g/ml) G Lab File ID: BN03725.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 13.33 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-87

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.28

Sample wt/vol: 10.68 (g/ml) G Lab File ID: BN03725.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 13.33 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	310	JB
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	250	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-87

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.28

Sample wt/vol: 10.68 (g/ml) G Lab File ID: BN03725.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 13.33 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 10 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.10	1500	J
2.	unknown	18.86	510	J
3. 000057-10-3	Hexadecanoic acid	19.60	1200	JN
4. 010544-50-0	Sulfur, mol. (S8)	20.60	5500	JN
5. 074685-30-6	5-Eicosene, (E)-	23.51	6800	JN
6. 000629-96-9	1-Eicosanol	24.78	890	JN
7. 001454-84-8	1-Nonadecanol	27.22	2200	JN
8.	unknown	27.97	490	J
9.	unknown	28.71	1600	J
10. 006971-40-0	17-Pentatriacontene	28.82	1200	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-88

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.30

Sample wt/vol: 10.73 (g/ml) G Lab File ID: BN03726.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 12.1 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-88

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.30

Sample wt/vol: 10.73 (g/ml) G Lab File ID: BN03726.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 12.1 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	200	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	680	JB
206-44-0	Fluoranthene	280	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	270	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	120	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	190	J
117-81-7	bis(2-Ethylhexyl)phthalate	150	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	160	J
207-08-9	Benzo[k]fluoranthene	130	J
50-32-8	Benzo[a]pyrene	130	J
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-88

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4760 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4760.30

Sample wt/vol: 10.73 (g/ml) G Lab File ID: BN03726.D

Level: (low/med) LOW Date Received: 8/30/99

% Moisture: 12.1 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/7/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 25 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.19	480	J
2. 000513-85-9	2,3-Butanediol	4.32	560	JN
3.	unknown	5.10	1500	J
4.	unknown	18.87	790	J
5. 000057-10-3	Hexadecanoic acid	19.62	1700	JN
6. 000057-11-4	Octadecanoic acid	21.20	660	JN
7. 000072-54-8	1,1-Dichloro-2,2-bis(p-chlorophen	22.20	490	JN
8. 056554-86-0	17-Octadecenal	23.09	460	JN
9. 000112-85-6	Docosanoic acid	23.98	670	JN
10. 002136-70-1	Ethanol, 2-(tetradecyloxy)-	24.16	650	JN
11. 006971-40-0	17-Pentatriacontene	24.78	2600	JN
12.	unknown	24.90	430	J
13. 000593-45-3	Octadecane	25.94	2300	JN
14.	unknown	25.97	2400	J
15. 056554-89-3	14-Octadecenal	26.81	1300	JN
16. 000629-97-0	Docosane	27.15	3000	JN
17. 001599-67-3	1-Docosene	27.23	3600	JN
18.	unknown	27.34	910	J
19.	unknown	27.98	700	J
20. 077899-10-6	(Z)14-Tricosenyl formate	28.30	1600	JN
21. 004651-51-8	Ergost-5-en-3-ol, (3.beta.)-	28.55	520	JN
22.	unknown	28.73	3900	J
23.	unknown	28.84	3600	J
24.	unknown	28.98	1800	J
25. 000083-47-6	.gamma.-Sitosterol	29.40	2200	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-89

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.02

Sample wt/vol: 10.8 (g/ml) G Lab File ID: BN03734.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 13.67 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-89

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.02

Sample wt/vol: 10.8 (g/ml) G Lab File ID: BN03734.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 13.67 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	350	JB
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	240	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-89

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.02

Sample wt/vol: 10.8 (g/ml) G Lab File ID: BN03734.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 13.67 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 19 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.10	930	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	580	JN
3.	000057-10-3	Hexadecanoic acid	19.58	1700	JN
4.	000057-11-4	Octadecanoic acid	21.17	470	JN
5.	000112-88-9	1-Octadecene	23.49	8400	JN
6.	000661-19-8	1-Docosanol	24.12	530	JN
7.	006624-79-9	1-Dotriacontanol	24.76	2100	JN
8.		unknown	25.58	660	J
9.	000629-97-0	Docosane	25.90	820	JN
10.		unknown	25.94	1200	J
11.	000000-00-0	1-Hexacosanal	26.77	650	JN
12.	000112-95-8	Eicosane	27.11	950	JN
13.	000629-96-9	1-Eicosanol	27.19	3200	JN
14.	000000-00-0	2-Heptacosanone	27.30	720	JN
15.		unknown	28.23	590	J
16.	014021-23-9	D-Friedoolean-14-ene, 3-methoxy	28.67	2100	JN
17.	000661-19-8	1-Docosanol	28.78	1900	JN
18.	000000-00-0	2-Pentacosanone	28.93	790	JN
19.		unknown	29.35	950	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-90

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.04

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN03735.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 5.42 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-90

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.04

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN03735.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 5.42 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	250	JB
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	590	JB
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-90

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.04

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN03735.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 5.42 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 11 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.08	570	J
2.	unknown	18.84	530	J
3. 000057-10-3	Hexadecanoic acid	19.57	570	JN
4. 001454-84-8	1-Nonadecanol	23.49	5500	JN
5. 006971-40-0	17-Pentatriacontene	24.75	770	JN
6.	unknown	25.25	530	J
7. 000502-62-5	.Psi.,.psi.-Carotene, 7,7',8,8',11,1	25.57	840	JN
8. 000629-96-9	1-Eicosanol	27.18	1900	JN
9. 006624-79-9	1-Dotriacontanol	28.78	1100	JN
10.	unknown	28.92	490	J
11. 002550-84-7	Cholestan-3-ol, 4,4-dimethyl-, (3.	29.18	1100	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-91

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.06

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN03736.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 12.69 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-91

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.06

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN03736.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 12.69 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	360	JB
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	210	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-91

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.06

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN03736.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 12.69 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 18 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.09	1200	J
2.	unknown	18.84	740	J
3. 000057-10-3	Hexadecanoic acid	19.59	1400	JN
4.	unknown	21.44	620	J
5. 001599-67-3	1-Docosene	23.49	7800	JN
6. 006971-40-0	17-Pentatriacontene	24.75	2700	JN
7.	unknown	25.36	490	J
8.	unknown	25.58	970	J
9. 055045-08-4	Dodecane, 2-methyl-6-propyl-	25.91	760	JN
10.	unknown	25.94	1100	J
11. 056554-89-3	14-Octadecenal	26.78	620	JN
12. 055045-08-4	Dodecane, 2-methyl-6-propyl-	27.12	750	JN
13. 001599-67-3	1-Docosene	27.19	2800	JN
14. 000000-00-0	2-Heptacosanone	27.30	630	JN
15.	unknown	28.24	930	J
16. 000506-52-5	1-Hexacosanol	28.79	1600	JN
17.	unknown	28.93	660	J
18.	unknown	29.62	570	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-92

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.08

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN03737.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 14.7 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-92

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.08

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN03737.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 14.7 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	840	JB
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
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	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	270	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-92

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.08

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN03737.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 14.7 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 11 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.10	1400	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	1400	JN
3.	000057-10-3	Hexadecanoic acid	19.58	1100	JN
4.	010544-50-0	Sulfur, mol. (S8)	20.54	3000	JN
5.	000112-88-9	1-Octadecene	23.49	7500	JN
6.	006624-79-9	1-Dotriacontanol	24.13	490	JN
7.	000506-52-5	1-Hexacosanol	24.75	1100	JN
8.		unknown	25.57	540	J
9.	000630-03-5	Nonacosane	25.91	600	JN
10.	000629-96-9	1-Eicosanol	27.19	2200	JN
11.	006971-40-0	17-Pentatriacontene	28.78	1300	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-93

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.10

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN03738.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 14.15 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-93

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.10

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN03738.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 14.15 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	130	J
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	290	JB
206-44-0	Fluoranthene	340	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	500	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	360	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	470	J
117-81-7	bis(2-Ethylhexyl)phthalate	220	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	340	J
207-08-9	Benzo[k]fluoranthene	290	J
50-32-8	Benzo[a]pyrene	380	J
193-39-5	Indeno[1,2,3-cd]pyrene	160	J
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	200	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-93

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.10

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN03738.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 14.15 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 6 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.09	1400	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	650	JN
3.	000057-10-3	Hexadecanoic acid	19.57	580	JN
4.	018733-57-8	Silane, trichloroeicosyl-	24.76	760	JN
5.	000629-96-9	1-Eicosanol	27.18	1500	JN
6.	040710-42-7	1-Hentetracontanol	28.77	640	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-94

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.12

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BN03739.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 13.77 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-94

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.12

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BN03739.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 13.77 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	280	JB
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	200	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-94

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.12

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BN03739.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 13.77 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.10	1200	J
2. 000084-64-0	1,2-Benzenedicarboxylic acid, but	18.84	570	JN
3. 000057-10-3	Hexadecanoic acid	19.57	910	JN
4. 074685-30-6	5-Eicosene, (E)-	23.49	5700	JN
5. 000629-96-9	1-Eicosanol	24.75	680	JN
6.	unknown	25.57	580	J
7. 006971-40-0	17-Pentatriacontene	27.18	1500	JN
8. 000661-19-8	1-Docosanol	28.78	820	JN
9. 002550-84-7	Cholestan-3-ol, 4,4-dimethyl-, (3.	29.18	630	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-95

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.14

Sample wt/vol: 9.92 (g/ml) G Lab File ID: BN03740.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 10.62 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-95

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.14

Sample wt/vol: 9.92 (g/ml) G Lab File ID: BN03740.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 10.62 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	320	J
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	870	JB
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	200	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-95

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.14

Sample wt/vol: 9.92 (g/ml) G Lab File ID: BN03740.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 10.62 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 18 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.10	1100	J
2.	unknown	18.85	1800	J
3. 000057-10-3	Hexadecanoic acid	19.57	900	JN
4. 007704-34-9	Sulfur	20.55	2100	JN
5. 001454-84-8	1-Nonadecanol	23.49	7100	JN
6. 006971-40-0	17-Pentatriacontene	24.76	2200	JN
7. 000638-66-4	Octadecanal	25.59	930	JN
8. 000629-78-7	Heptadecane	25.91	980	JN
9. 000112-92-5	1-Octadecanol	25.94	1100	JN
10. 007390-81-0	Oxirane, hexadecyl-	26.77	690	JN
11. 055045-08-4	Dodecane, 2-methyl-6-propyl-	27.11	1100	JN
12. 001599-67-3	1-Docosene	27.19	2400	JN
13. 000000-00-0	2-Heptacosanone	27.31	560	JN
14. 000124-25-4	Tetradecanal	28.24	760	JN
15.	unknown	28.66	820	J
16. 006971-40-0	17-Pentatriacontene	28.78	1900	JN
17.	unknown	28.93	800	J
18. 000083-47-6	.gamma.-Sitosterol	29.33	830	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-96

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.16

Sample wt/vol: 10.34 (g/ml) G Lab File ID: BN03748.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 19.09 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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	170	J
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	240	J
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-96

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.16

Sample wt/vol: 10.34 (g/ml) G Lab File ID: BN03748.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 19.09 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	400	J
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	350	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	800	JB
206-44-0	Fluoranthene	1300	
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1100	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	620	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1100	J
117-81-7	bis(2-Ethylhexyl)phthalate	280	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	640	J
207-08-9	Benzo[k]fluoranthene	660	J
50-32-8	Benzo[a]pyrene	370	J
193-39-5	Indeno[1,2,3-cd]pyrene	170	J
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	160	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-96

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.16

Sample wt/vol: 10.34 (g/ml) G Lab File ID: BN03748.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 19.09 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 25 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.09	1800	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	1700	JN
3. 000057-10-3	Hexadecanoic acid	19.60	2400	JN
4. 010544-50-0	Sulfur, mol. (S8)	20.54	880	JN
5. 000072-54-8	1,1-Dichloro-2,2-bis(p-chlorophen	21.67	850	JN
6. 000629-97-0	Docosane	22.16	1700	JN
7. 000053-19-0	Mitotane	22.20	3200	JN
8. 056554-87-1	16-Octadecenal	23.07	840	JN
9. 000057-11-4	Octadecanoic acid	23.98	1500	JN
10.	unknown	24.14	1000	J
11. 000638-66-4	Octadecanal	24.38	910	JN
12. 040710-42-7	1-Hentetracontanol	24.77	4900	JN
13. 000112-85-6	Docosanoic acid	25.23	2800	JN
14. 000629-94-7	Heneicosane	25.35	2000	JN
15. 000112-95-8	Eicosane	25.93	8400	JN
16.	unknown	25.97	3900	J
17. 000629-97-0	Docosane	26.49	1600	JN
18. 000629-80-1	Hexadecanal	26.80	3900	JN
19. 000630-03-5	Nonacosane	27.14	9300	JN
20. 000661-19-8	1-Docosanol	27.22	3400	JN
21.	unknown	27.33	2800	J
22. 000629-99-2	Pentacosane	28.69	5300	JN
23. 000297-03-0	Cyclotetracosane	28.82	3000	JN
24.	unknown	28.97	3100	J
25. 000083-47-6	.gamma.-Sitosterol	29.37	1600	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-97

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.18

Sample wt/vol: 9.98 (g/ml) G Lab File ID: BN03741.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 16.43 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-97

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.18

Sample wt/vol: 9.98 (g/ml) G Lab File ID: BN03741.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 16.43 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	230	J
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	1100	JB
206-44-0	Fluoranthene	290	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	320	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	210	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	270	J
117-81-7	bis(2-Ethylhexyl)phthalate	260	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	310	J
207-08-9	Benzo[k]fluoranthene	230	J
50-32-8	Benzo[a]pyrene	260	J
193-39-5	Indeno[1,2,3-cd]pyrene	190	J
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	190	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-97

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.18

Sample wt/vol: 9.98 (g/ml) G Lab File ID: BN03741.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 16.43 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.18	500	J
2.	unknown	5.10	1700	J
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	1800	JN
4. 000057-10-3	Hexadecanoic acid	19.58	1200	JN
5. 000629-96-9	1-Eicosanol	24.75	1100	JN
6. 006971-40-0	17-Pentatriacontene	27.18	1800	JN
7. 006624-79-9	1-Dotriacontanol	28.78	640	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-98

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.20

Sample wt/vol: 10.37 (g/ml) G Lab File ID: BN03742.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 10.58 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-98

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.20

Sample wt/vol: 10.37 (g/ml) G Lab File ID: BN03742.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 10.58 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	140	J
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	790	JB
206-44-0	Fluoranthene	120	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	190	J
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	130	J
117-81-7	bis(2-Ethylhexyl)phthalate	190	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-98

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.20

Sample wt/vol: 10.37 (g/ml) G Lab File ID: BN03742.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 10.58 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 13 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.09	1600	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.85	1800	JN
3.	000057-10-3	Hexadecanoic acid	19.59	1500	JN
4.	018435-45-5	1-Nonadecene	23.50	7900	JN
5.	006624-79-9	1-Dotriacontanol	24.75	1400	JN
6.		unknown	25.58	1600	J
7.	000629-78-7	Heptadecane	25.91	540	JN
8.	000629-96-9	1-Eicosanol	25.94	770	JN
9.	000629-80-1	Hexadecanal	26.78	520	JN
10.	007098-22-8	Tetratetracontane	27.11	830	JN
11.	000629-96-9	1-Eicosanol	27.18	2400	JN
12.	007390-81-0	Oxirane, hexadecyl-	28.24	610	JN
13.	006971-40-0	17-Pentatriacontene	28.78	1600	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-99

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.22

Sample wt/vol: 10.77 (g/ml) G Lab File ID: BN03743.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 6.65 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-99

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.22

Sample wt/vol: 10.77 (g/ml) G Lab File ID: BN03743.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 6.65 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	230	J
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	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	1500	B
206-44-0	Fluoranthene	170	J
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	180	J
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	110	J
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)phthalate	250	JB
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	250	J
207-08-9	Benzo[k]fluoranthene	160	J
50-32-8	Benzo[a]pyrene	120	J
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-99

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.22

Sample wt/vol: 10.77 (g/ml) G Lab File ID: BN03743.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 6.65 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 19 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.09	1500	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	2900	JN
3.	000057-10-3	Hexadecanoic acid	19.57	470	JN
4.	000112-92-5	1-Octadecanol	20.58	410	JN
5.	004292-19-7	Dodecane, 1-iodo-	22.83	410	JN
6.	000506-52-5	1-Hexacosanol	24.13	640	JN
7.	006765-39-5	1-Heptadecene	24.75	2400	JN
8.		unknown	25.24	570	J
9.	000593-45-3	Octadecane	25.92	1400	JN
10.		unknown	25.95	3900	J
11.		unknown	26.04	430	J
12.	056554-89-3	14-Octadecenal	26.78	2100	JN
13.	000629-78-7	Heptadecane	27.12	2200	JN
14.	001599-67-3	1-Docosene	27.19	2600	JN
15.		unknown	27.31	720	J
16.	077899-10-6	(Z)14-Tricosenyl formate	28.25	3800	JN
17.	000544-76-3	Hexadecane	28.66	1100	JN
18.	000629-96-9	1-Eicosanol	28.79	2900	JN
19.		unknown	28.93	1700	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-100

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.24

Sample wt/vol: 9.92 (g/ml) G Lab File ID: BN03744.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 15.45 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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	230	J
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	290	J
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-100

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.24

Sample wt/vol: 9.92 (g/ml) G Lab File ID: BN03744.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 15.45 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	140	J
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	140	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	260	JB
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
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	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	230	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	150	J
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-100

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.24

Sample wt/vol: 9.92 (g/ml) G Lab File ID: BN03744.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 15.45 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 15 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.09	1700	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	620	JN
3.	000057-10-3	Hexadecanoic acid	19.59	1800	JN
4.	010544-50-0	Sulfur, mol. (S8)	20.53	560	JN
5.	002091-29-4	9-Hexadecenoic acid	21.05	850	JN
6.		unknown	21.44	1600	J
7.	000112-88-9	1-Octadecene	23.49	7700	JN
8.	000112-92-5	1-Octadecanol	24.13	510	JN
9.		unknown	24.54	990	J
10.	000506-52-5	1-Hexacosanol	24.75	1100	JN
11.	001454-84-8	1-Nonadecanol	25.94	640	JN
12.	000629-78-7	Heptadecane	27.11	530	JN
13.	001454-84-8	1-Nonadecanol	27.18	2000	JN
14.	056554-87-1	16-Octadecenal	28.24	500	JN
15.	006971-40-0	17-Pentatriacontene	28.78	1400	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-101

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.26

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN03745.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 14.11 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-101

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.26

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN03745.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 14.11 decanted:(Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	120	J
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	1100	JB
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	230	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-101

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.26

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN03745.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 14.11 decanted: (Y/N) N Date Extracted: 9/2/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.09	1900	J
2.	unknown	18.85	2000	J
3. 000057-10-3	Hexadecanoic acid	19.57	680	JN
4. 001454-84-8	1-Nonadecanol	23.49	6100	JN
5.	unknown	24.61	1300	J
6. 000629-96-9	1-Eicosanol	24.75	1800	JN
7.	unknown	25.57	900	J
8. 000661-19-8	1-Docosanol	27.18	1600	JN
9. 006971-40-0	17-Pentatriacontene	28.78	840	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-102

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.28

Sample wt/vol: 10.39 (g/ml) G Lab File ID: BN03746.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 15.33 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-102

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.28

Sample wt/vol: 10.39 (g/ml) G Lab File ID: BN03746.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 15.33 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1100	JB
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	200	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-102

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4762 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4762.28

Sample wt/vol: 10.39 (g/ml) G Lab File ID: BN03746.D

Level: (low/med) LOW Date Received: 8/31/99

% Moisture: 15.33 decanted: (Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/8/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 10 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.31	530	J
2.	unknown	5.09	1400	J
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	1700	JN
4. 000057-10-3	Hexadecanoic acid	19.58	1100	JN
5. 010544-50-0	Sulfur, mol. (S8)	20.54	510	JN
6. 001454-84-8	1-Nonadecanol	23.49	5700	JN
7. 000661-19-8	1-Docosanol	24.76	770	JN
8. 000629-96-9	1-Eicosanol	27.19	1700	JN
9.	unknown	28.67	1300	J
10. 000629-96-9	1-Eicosanol	28.77	1000	JN

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-103

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.02

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN03757.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 12.51 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-103

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.02

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN03757.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 12.51 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	250	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1300	B
206-44-0	Fluoranthene	430	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	400	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	200	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	260	J
117-81-7	bis(2-Ethylhexyl)phthalate	240	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	210	J
207-08-9	Benzo[k]fluoranthene	210	J
50-32-8	Benzo[a]pyrene	190	J
193-39-5	Indeno[1,2,3-cd]pyrene	120	J
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	130	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-103

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.02

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN03757.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 12.51 decanted: (Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 25 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	4.31	620	J
2.		unknown	5.09	1600	J
3.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	1900	JN
4.	000057-10-3	Hexadecanoic acid	19.58	1800	JN
5.	001002-84-2	Pentadecanoic acid	21.17	560	JN
6.	001454-85-9	1-Heptadecanol	22.09	560	JN
7.	000072-54-8	1,1-Dichloro-2,2-bis(p-chlorophen	22.18	550	JN
8.	056554-90-6	13-Octadecenal	23.07	650	JN
9.	000112-85-6	Docosanoic acid	23.96	760	JN
10.	015965-99-8	Oxirane, [(hexadecyloxy)methyl]-	24.13	730	JN
11.	000638-66-4	Octadecanal	24.38	660	JN
12.		unknown	24.76	3800	J
13.	000112-85-6	Docosanoic acid	25.21	630	JN
14.	000629-97-0	Docosane	25.92	5100	JN
15.	000297-03-0	Cyclotetracosane	25.96	4300	JN
16.	000000-00-0	2-Heptacosanone	26.05	580	JN
17.	000000-00-0	1-Hexacosanal	26.78	5300	JN
18.	000638-68-6	Triacontane	27.12	3900	JN
19.	000629-96-9	1-Eicosanol	27.20	5500	JN
20.	000000-00-0	2-Heptacosanone	27.31	1100	JN
21.	000629-78-7	Heptadecane	28.66	2100	JN
22.	000629-96-9	1-Eicosanol	28.79	3200	JN
23.		unknown	28.94	1600	J
24.	000083-47-6	.gamma.-Sitosterol	29.34	2300	JN
25.	000127-22-0	Taraxerol	29.64	560	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-104

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.04

Sample wt/vol: 9.95 (g/ml) G Lab File ID: BN03764.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 7.18 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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	290	J
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	180	J
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	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	880	J
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-104

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.04

Sample wt/vol: 9.95 (g/ml) G Lab File ID: BN03764.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 7.18 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	590	J
120-12-7	Anthracene	400	J
84-74-2	Di-n-butylphthalate	1500	B
206-44-0	Fluoranthene	2700	
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	3100	
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	2300	
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	2600	
117-81-7	bis(2-Ethylhexyl)phthalate	220	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	3500	
207-08-9	Benzo[k]fluoranthene	3000	
50-32-8	Benzo[a]pyrene	3600	
193-39-5	Indeno[1,2,3-cd]pyrene	1900	
53-70-3	Dibenz[a,h]anthracene	730	J
191-24-2	Benzo[g,h,i]perylene	1800	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-104

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.04

Sample wt/vol: 9.95 (g/ml) G Lab File ID: BN03764.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 7.18 decanted: (Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 25 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.08	1600	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.85	2500	JN
3.	000057-10-3	Hexadecanoic acid	19.58	900	JN
4.	000112-95-8	Eicosane	19.88	630	JN
5.		unknown	20.46	490	J
6.	005737-13-3	Cyclopenta(def)phenanthrenone	20.54	630	JN
7.	000238-84-6	11H-Benzo[a]fluorene	21.83	930	JN
8.	003353-12-6	Pyrene, 4-methyl-	22.02	540	JN
9.	003442-78-2	Pyrene, 2-methyl-	22.20	510	JN
10.	000082-05-3	7H-Benz[de]anthracen-7-one	22.87	910	JN
11.	000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	23.07	670	JN
12.		unknown	23.15	680	J
13.	001454-84-8	1-Nonadecanol	23.50	6900	JN
14.		unknown	23.98	500	J
15.	002381-31-9	Benz[a]anthracene, 8-methyl-	24.38	990	JN
16.	000629-96-9	1-Eicosanol	24.76	1300	JN
17.	000198-55-0	Perylene	25.76	1100	JN
18.		unknown	25.95	890	J
19.	000205-99-2	Benz[e]acephenanthrylene	26.06	2600	JN
20.		unknown	26.54	520	J
21.		unknown	26.79	490	J
22.	000629-96-9	1-Eicosanol	27.19	1900	JN
23.		unknown	27.94	840	J
24.		unknown	28.10	560	J
25.	077899-03-7	1-Heneicosyl formate	28.79	940	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-105

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.06

Sample wt/vol: 10.33 (g/ml) G Lab File ID: BN03763.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 5.69 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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	150	J
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-105

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.06

Sample wt/vol: 10.33 (g/ml) G Lab File ID: BN03763.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 5.69 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	470	J
120-12-7	Anthracene	170	J
84-74-2	Di-n-butylphthalate	560	JB
206-44-0	Fluoranthene	850	J
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	920	J
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	500	J
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	660	J
117-81-7	bis(2-Ethylhexyl)phthalate	260	JB
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	510	J
207-08-9	Benzo[k]fluoranthene	450	J
50-32-8	Benzo[a]pyrene	520	J
193-39-5	Indeno[1,2,3-cd]pyrene	240	J
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	250	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-105

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.06

Sample wt/vol: 10.33 (g/ml) G Lab File ID: BN03763.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 5.69 decanted: (Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 18 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.08	1700	J
2.	unknown	18.84	930	J
3. 000057-10-3	Hexadecanoic acid	19.57	590	JN
4. 010544-50-0	Sulfur, mol. (S8)	20.54	1200	JN
5.	unknown	23.07	450	J
6.	unknown	24.13	460	J
7.	unknown	24.63	3200	J
8. 006624-79-9	1-Dotriacontanol	24.76	2200	JN
9. 055045-08-4	Dodecane, 2-methyl-6-propyl-	25.91	510	JN
10.	unknown	25.94	1200	J
11. 000192-97-2	Benzo[e]pyrene	26.03	680	JN
12. 000638-66-4	Octadecanal	26.77	680	JN
13. 000544-76-3	Hexadecane	27.11	760	JN
14. 000629-96-9	1-Eicosanol	27.19	2400	JN
15. 000000-00-0	2-Heptacosanone	27.31	470	JN
16.	unknown	27.93	550	J
17. 077899-10-6	(Z)14-Tricosenyl formate	28.24	990	JN
18. 006971-40-0	17-Pentatriacontene	28.78	1200	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-106

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.08

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN03765.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 14.89 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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	140	J
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-106

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.08

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN03765.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 14.89 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	160	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1400	B
206-44-0	Fluoranthene	350	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	430	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	240	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	350	J
117-81-7	bis(2-Ethylhexyl)phthalate	260	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	370	J
207-08-9	Benzo[k]fluoranthene	270	J
50-32-8	Benzo[a]pyrene	320	J
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-106

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.08

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN03765.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 14.89 decanted: (Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.09	1700	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	2000	JN
3.	000057-10-3	Hexadecanoic acid	19.58	880	JN
4.	000629-76-5	1-Pentadecanol	20.57	490	JN
5.	055045-08-4	Dodecane, 2-methyl-6-propyl-	22.84	500	JN
6.	002136-70-1	Ethanol, 2-(tetradecyloxy)-	24.13	580	JN
7.	006971-40-0	17-Pentatriacontene	24.76	1200	JN
8.	000629-94-7	Heneicosane	25.91	660	JN
9.	057289-07-3	Isoheptadecanol	25.95	1200	JN
10.	000638-66-4	Octadecanal	26.78	720	JN
11.	013475-76-8	Docosane, 11-butyl-	27.12	910	JN
12.	000629-96-9	1-Eicosanol	27.19	1800	JN
13.		unknown	27.94	690	J
14.	056554-90-6	13-Octadecenal	28.25	800	JN
15.	025154-56-7	Nonacosanol	28.79	700	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-107

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.10

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN03753.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 12.3 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-107

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.10

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN03753.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 12.3 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	660	JB
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	310	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-107

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.10

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN03753.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 12.3 decanted: (Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.09	1400	J
2. 000084-64-0	1,2-Benzenedicarboxylic acid, but	18.84	1100	JN
3. 000057-10-3	Hexadecanoic acid	19.57	640	JN
4. 074685-30-6	5-Eicosene, (E)-	23.48	6100	JN
5. 000629-96-9	1-Eicosanol	24.75	670	JN
6. 000661-19-8	1-Docosanol	27.18	1600	JN
7. 000506-52-5	1-Hexacosanol	28.77	820	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-108

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.12

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03754.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 12.46 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-108

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.12

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03754.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 12.46 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	180	J
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	1700	B
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	270	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-108

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.12

Sample wt/vol: 10 (g/ml) G Lab File ID: BN03754.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 12.46 decanted: (Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 9 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000513-85-9	2,3-Butanediol	4.18	470	JN
2. 000107-88-0	1,3-Butanediol	4.32	660	JN
3.	unknown	5.10	1600	J
4. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	2600	JN
5. 000057-10-3	Hexadecanoic acid	19.58	1500	JN
6. 001454-84-8	1-Nonadecanol	23.49	8500	JN
7. 000629-96-9	1-Eicosanol	24.75	1500	JN
8. 001599-67-3	1-Docosene	27.18	2500	JN
9. 040710-42-7	1-Hentetracontanol	28.77	1200	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-109

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.14

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BN03755.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 15.69 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-109

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.14

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BN03755.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 15.69 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1500	B
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
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	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	300	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-109

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.14

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BN03755.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 15.69 decanted: (Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 25 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000513-85-9	2,3-Butanediol	4.18	680	JN
2.	019132-06-0	2,3-Butanediol, [S-(R@,R@)]-	4.32	780	JN
3.		unknown	5.10	2300	J
4.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.85	2100	JN
5.	000057-10-3	Hexadecanoic acid	19.59	2200	JN
6.	010544-50-0	Sulfur, mol. (S8)	20.53	1200	JN
7.	000057-11-4	Octadecanoic acid	21.17	620	JN
8.	000491-59-8	1,8,9-Anthracenetriol, 3-methyl-	22.50	710	JN
9.	074685-30-6	5-Eicosene, (E)-	23.49	10000	JN
10.	000506-52-5	1-Hexacosanol	24.13	630	JN
11.	000112-92-5	1-Octadecanol	24.75	2700	JN
12.		unknown	25.36	690	J
13.	000000-00-0	1-Hexacosanal	25.59	2600	JN
14.	000544-76-3	Hexadecane	25.92	1700	JN
15.	001454-84-8	1-Nonadecanol	25.94	5300	JN
16.	000000-00-0	1-Hexacosanal	26.78	6100	JN
17.	000629-78-7	Heptadecane	27.12	1500	JN
18.	001599-67-3	1-Docosene	27.19	6600	JN
19.	000000-00-0	2-Heptacosanone	27.30	910	JN
20.		unknown	27.93	670	J
21.	077899-10-6	(Z)14-Tricosenyl formate	28.24	2100	JN
22.		unknown	28.67	2000	J
23.	000661-19-8	1-Docosanol	28.79	3400	JN
24.		unknown	28.93	1300	J
25.	000083-47-6	.gamma.-Sitosterol	29.33	1300	JN

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-110

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.16

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN03766.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 8.61 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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	200	J
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	120	J
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	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	650	J
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-110

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.16

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN03766.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 8.61 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	760	J
120-12-7	Anthracene	350	J
84-74-2	Di-n-butylphthalate	1200	B
206-44-0	Fluoranthene	2100	
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	2400	
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1600	
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1900	
117-81-7	bis(2-Ethylhexyl)phthalate	230	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	2500	
207-08-9	Benzo[k]fluoranthene	2200	
50-32-8	Benzo[a]pyrene	2600	
193-39-5	Indeno[1,2,3-cd]pyrene	960	J
53-70-3	Dibenz[a,h]anthracene	350	J
191-24-2	Benzo[g,h,i]perylene	920	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-110

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.16

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN03766.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 8.61 decanted: (Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 18 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.09	1400	J
2.	unknown	16.10	430	J
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	2200	JN
4. 005737-13-3	Cyclopenta(def)phenanthrenone	20.54	430	JN
5. 003442-78-2	Pyrene, 2-methyl-	21.83	820	JN
6. 003353-12-6	Pyrene, 4-methyl-	22.21	490	JN
7. 000082-05-3	7H-Benz[de]anthracen-7-one	22.87	480	JN
8. 000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	23.07	610	JN
9.	unknown	23.15	530	J
10. 001454-84-8	1-Nonadecanol	23.49	7400	JN
11. 006971-40-0	17-Pentatriacontene	24.14	510	JN
12. 002498-77-3	Benz[a]anthracene, 1-methyl-	24.38	790	JN
13. 001454-85-9	1-Heptadecanol	24.76	980	JN
14. 000198-55-0	Perylene	25.76	800	JN
15.	unknown	25.94	940	J
16. 000192-97-2	Benzo[e]pyrene	26.05	1900	JN
17. 001599-67-3	1-Docosene	27.19	2000	JN
18. 077899-03-7	1-Heneicosyl formate	28.79	710	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-111

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.18

Sample wt/vol: 10.38 (g/ml) G Lab File ID: BN03760.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 9.08 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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	150	J
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-111

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.18

Sample wt/vol: 10.38 (g/ml) G Lab File ID: BN03760.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 9.08 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	420	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	520	JB
206-44-0	Fluoranthene	630	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	740	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	370	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	500	J
117-81-7	bis(2-Ethylhexyl)phthalate	200	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	390	J
207-08-9	Benzo[k]fluoranthene	320	J
50-32-8	Benzo[a]pyrene	390	J
193-39-5	Indeno[1,2,3-cd]pyrene	200	J
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	220	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-111

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.18

Sample wt/vol: 10.38 (g/ml) G Lab File ID: BN03760.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 9.08 decanted: (Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 17 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.09	1300	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	910	JN
3. 000057-10-3	Hexadecanoic acid	19.57	550	JN
4. 010544-50-0	Sulfur, mol. (S8)	20.55	1300	JN
5.	unknown	23.07	510	J
6. 006624-79-9	1-Dotriacontanol	24.13	600	JN
7. 018435-45-5	1-Nonadecene	24.76	1800	JN
8.	unknown	25.20	560	J
9. 000629-92-5	Nonadecane	25.91	760	JN
10. 001454-84-8	1-Nonadecanol	25.94	770	JN
11. 000205-82-3	Benzo[j]fluoranthene	26.03	480	JN
12.	unknown	26.77	470	J
13. 000630-02-4	Octacosane	27.11	990	JN
14. 000629-96-9	1-Eicosanol	27.19	1800	JN
15.	unknown	27.93	530	J
16.	unknown	28.65	430	J
17.	unknown	28.78	920	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-112

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.20

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BN03761.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 20.82 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-112

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.20

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BN03761.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 20.82 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	150	J
84-74-2	Di-n-butylphthalate	1500	B
206-44-0	Fluoranthene	450	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1000	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	750	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1800	
117-81-7	bis(2-Ethylhexyl)phthalate	180	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	2200	
207-08-9	Benzo[k]fluoranthene	1300	
50-32-8	Benzo[a]pyrene	830	J
193-39-5	Indeno[1,2,3-cd]pyrene	450	J
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	420	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-112

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.20

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BN03761.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 20.82 decanted: (Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 14 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.08	1200	J
2.	000084-64-0	1,2-Benzenedicarboxylic acid, but	18.84	2400	JN
3.	000057-10-3	Hexadecanoic acid	19.58	1400	JN
4.	010544-50-0	Sulfur, mol. (S8)	20.54	1400	JN
5.	074685-30-6	5-Eicosene, (E)-	23.48	6500	JN
6.	006971-40-0	17-Pentatriacontene	24.76	1800	JN
7.	000629-78-7	Heptadecane	25.91	980	JN
8.		unknown	25.94	1000	J
9.	000198-55-0	Perylene	26.03	1400	JN
10.	000629-94-7	Heneicosane	27.11	650	JN
11.	000112-88-9	1-Octadecene	27.19	1800	JN
12.		unknown	27.93	550	J
13.	000506-52-5	1-Hexacosanol	28.78	1100	JN
14.	000083-47-6	.gamma.-Sitosterol	29.32	670	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-113

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.22

Sample wt/vol: 10.29 (g/ml) G Lab File ID: BN03756.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 12.63 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-113

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.22

Sample wt/vol: 10.29 (g/ml) G Lab File ID: BN03756.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 12.63 decanted:(Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	2300	B
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	240	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-113

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4774 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4774.22

Sample wt/vol: 10.29 (g/ml) G Lab File ID: BN03756.D

Level: (low/med) LOW Date Received: 9/7/99

% Moisture: 12.63 decanted: (Y/N) N Date Extracted: 9/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/9/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.10	1200	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	3500	JN
3.	000057-10-3	Hexadecanoic acid	19.58	790	JN
4.	010544-50-0	Sulfur, mol. (S8)	20.54	2600	JN
5.	000124-25-4	Tetradecanal	23.06	460	JN
6.	001454-84-8	1-Nonadecanol	23.49	7100	JN
7.	000506-52-5	1-Hexacosanol	24.13	470	JN
8.	000629-96-9	1-Eicosanol	24.75	1100	JN
9.	001599-67-3	1-Docosene	27.18	1800	JN
10.	006624-79-9	1-Dotriacontanol	28.77	850	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-114

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.02

Sample wt/vol: 10.45 (g/ml) G Lab File ID: BN03810.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 14.69 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-114

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.02

Sample wt/vol: 10.45 (g/ml) G Lab File ID: BN03810.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 14.69 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	530	J
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	330	J
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	800	J
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	8300	
120-12-7	Anthracene	2200	
84-74-2	Di-n-butylphthalate	730	JB
206-44-0	Fluoranthene	9300	
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	7100	
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	4100	
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	3900	
117-81-7	bis(2-Ethylhexyl)phthalate	300	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	3100	
207-08-9	Benzo[k]fluoranthene	2800	
50-32-8	Benzo[a]pyrene	3300	
193-39-5	Indeno[1,2,3-cd]pyrene	1700	
53-70-3	Dibenz[a,h]anthracene	680	J
191-24-2	Benzo[g,h,i]perylene	1700	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-114

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.02

Sample wt/vol: 10.45 (g/ml) G Lab File ID: BN03810.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 14.69 decanted: (Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 25 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.07	1300	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	1500	JN
3. 000832-69-9	Phenanthrene, 1-methyl-	19.22	740	JN
4. 000613-12-7	Anthracene, 2-methyl-	19.27	970	JN
5.	unknown	19.44	1500	J
6. 000612-94-2	Naphthalene, 2-phenyl-	19.87	800	JN
7. 000243-42-5	Benzo[b]naphtho[2,3-d]furan	21.38	660	JN
8. 000243-17-4	11H-Benzo[b]fluorene	21.83	1400	JN
9.	unknown	21.96	830	J
10. 000112-92-5	1-Octadecanol	22.09	630	JN
11. 000082-05-3	7H-Benz[de]anthracen-7-one	22.87	800	JN
12. 000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	23.07	940	JN
13.	unknown	23.14	1100	J
14. 074685-30-6	5-Eicosene, (E)-	23.49	7700	JN
15. 002381-31-9	Benz[a]anthracene, 8-methyl-	24.37	950	JN
16. 019047-85-9	Phosphonic acid, dioctadecyl este	24.76	1900	JN
17. 000198-55-0	Perylene	25.76	740	JN
18. 080249-75-8	3,4-Epoxy-4a-ethyl-2,3,4,4a,5,6-h	25.94	730	JN
19. 000205-99-2	Benz[e]acephenanthrylene	26.05	2000	JN
20. 000000-00-0	1-Hexacosanal	26.77	1100	JN
21. 000629-96-9	1-Eicosanol	27.19	1700	JN
22.	unknown	27.93	640	J
23.	unknown	28.24	850	J
24.	unknown	28.68	2300	J
25. 000629-96-9	1-Eicosanol	28.78	960	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-115

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.04

Sample wt/vol: 10.6 (g/ml) G Lab File ID: BN03814.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 9.56 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-115

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.04

Sample wt/vol: 10.6 (g/ml) G Lab File ID: BN03814.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 9.56 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	350	J
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	640	JB
206-44-0	Fluoranthene	580	J
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	720	J
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	280	J
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	400	J
117-81-7	bis(2-Ethylhexyl)phthalate	190	JB
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	270	J
207-08-9	Benzo[k]fluoranthene	290	J
50-32-8	Benzo[a]pyrene	300	J
193-39-5	Indeno[1,2,3-cd]pyrene	160	J
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	170	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-115

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.04

Sample wt/vol: 10.6 (g/ml) G Lab File ID: BN03814.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 9.56 decanted: (Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 12 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	18.84	1300	JN
2. 007704-34-9	Sulfur	20.57	3400	JN
3. 006971-40-0	17-Pentatriacontene	24.76	1300	JN
4. 000629-92-5	Nonadecane	25.91	450	JN
5. 001454-84-8	1-Nonadecanol	25.95	1300	JN
6. 000205-82-3	Benzo[j]fluoranthene	26.04	430	JN
7. 000629-80-1	Hexadecanal	26.78	530	JN
8. 000629-97-0	Docosane	27.11	880	JN
9. 000297-03-0	Cyclotetracosane	27.19	1600	JN
10.	unknown	28.18	420	J
11.	unknown	28.24	690	J
12. 000930-02-9	Octadecane, 1-(ethenyloxy)-	28.78	1100	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-116

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN03853.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 11.76 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-116

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN03853.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 11.76 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	340	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1400	B
206-44-0	Fluoranthene	600	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	640	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	310	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	410	J
117-81-7	bis(2-Ethylhexyl)phthalate	310	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	420	J
207-08-9	Benzo[k]fluoranthene	320	J
50-32-8	Benzo[a]pyrene	330	J
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-116

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN03853.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 11.76 decanted: (Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 13 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	18.84	2400	JN
2. 000057-10-3	Hexadecanoic acid	19.58	860	JN
3. 001454-84-8	1-Nonadecanol	23.48	7300	JN
4. 001599-67-3	1-Docosene	24.76	1000	JN
5. 000646-31-1	Tetracosane	25.91	1000	JN
6.	unknown	25.94	1100	J
7. 000205-99-2	Benz[e]acephenanthrylene	26.04	530	JN
8. 000629-80-1	Hexadecanal	26.78	600	JN
9. 000630-06-8	Hexatriacontane	27.11	1200	JN
10. 000629-96-9	1-Eicosanol	27.19	1800	JN
11.	unknown	27.93	850	J
12. 056554-89-3	14-Octadecenal	28.24	470	JN
13. 006971-40-0	17-Pentatriacontene	28.78	620	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-117

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.08

Sample wt/vol: 10.56 (g/ml) G Lab File ID: BN03849.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 10.58 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-117

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.08

Sample wt/vol: 10.56 (g/ml) G Lab File ID: BN03849.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 10.58 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	280	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	450	JB
206-44-0	Fluoranthene	590	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	590	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	300	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	370	J
117-81-7	bis(2-Ethylhexyl)phthalate	300	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	310	J
207-08-9	Benzo[k]fluoranthene	270	J
50-32-8	Benzo[a]pyrene	300	J
193-39-5	Indeno[1,2,3-cd]pyrene	130	J
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	120	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B-117

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.08

Sample wt/vol: 10.56 (g/ml) G Lab File ID: BN03849.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 10.58 decanted: (Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 17 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	18.83	950	J
2.	000057-10-3	Hexadecanoic acid	19.59	1500	JN
3.	000072-54-8	1,1-Dichloro-2,2-bis(p-chlorophen	22.18	810	JN
4.	074685-30-6	5-Eicosene, (E)-	23.48	8100	JN
5.	000112-85-6	Docosanoic acid	23.96	730	JN
6.	006624-79-9	1-Dotriacontanol	24.13	520	JN
7.	000112-92-5	1-Octadecanol	24.75	2100	JN
8.	000629-97-0	Docosane	25.92	1300	JN
9.	000629-76-5	1-Pentadecanol	25.94	2900	JN
10.	000192-97-2	Benzo[e]pyrene	26.04	660	JN
11.	056554-89-3	14-Octadecenal	26.78	2800	JN
12.	000544-76-3	Hexadecane	27.12	1900	JN
13.	000629-96-9	1-Eicosanol	27.19	3300	JN
14.		unknown	27.31	760	J
15.	056554-86-0	17-Octadecenal	28.25	830	JN
16.	000593-45-3	Octadecane	28.65	1000	JN
17.	000629-96-9	1-Eicosanol	28.79	1300	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-118

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.10

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BN03811.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 16.91 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-118

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.10

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BN03811.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 16.91 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	600	JB
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
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	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	150	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-118

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.10

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BN03811.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 16.91 decanted: (Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 21 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.16	520	J
2.	unknown	5.07	1600	J
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	1300	JN
4. 000057-10-3	Hexadecanoic acid	19.58	850	JN
5.	unknown	20.55	1900	J
6. 000109-29-5	Oxacycloheptadecan-2-one	21.04	830	JN
7. 001454-84-8	1-Nonadecanol	23.48	7600	JN
8.	unknown	24.75	3400	J
9. 056554-86-0	17-Octadecenal	25.59	2500	JN
10. 007098-22-8	Tetratetracontane	25.91	1800	JN
11.	unknown	25.95	3500	J
12. 000000-00-0	1-Hexacosanal	26.78	5300	JN
13. 007098-22-8	Tetratetracontane	27.11	900	JN
14. 000629-96-9	1-Eicosanol	27.19	4100	JN
15.	unknown	27.30	510	J
16.	unknown	27.46	760	J
17.	unknown	27.93	840	J
18. 000638-66-4	Octadecanal	28.24	1100	JN
19. 014021-23-9	D-Friedoolean-14-ene, 3-methoxy	28.66	780	JN
20. 000629-96-9	1-Eicosanol	28.78	1500	JN
21. 000083-47-6	.gamma.-Sitosterol	29.33	1800	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-119

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.12(1:5)

Sample wt/vol: 10.33 (g/ml) G Lab File ID: BN03900.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 2.51 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	5000	U
62-75-9	N-nitroso-dimethylamine	5000	U
62-53-3	Aniline	5000	U
108-95-2	Phenol	5000	U
111-44-4	bis(2-Chloroethyl)ether	5000	U
95-57-8	2-Chlorophenol	5000	U
541-73-1	1,3-Dichlorobenzene	5000	U
106-46-7	1,4-Dichlorobenzene	5000	U
100-51-6	Benzyl alcohol	5000	U
95-50-1	1,2-Dichlorobenzene	5000	U
95-48-7	2-Methylphenol	5000	U
108-60-1	bis(2-chloroisopropyl)ether	5000	U
106-44-5	4-Methylphenol	5000	U
621-64-7	n-Nitroso-di-n-propylamine	5000	U
67-72-1	Hexachloroethane	5000	U
98-95-3	Nitrobenzene	5000	U
78-59-1	Isophorone	5000	U
88-75-5	2-Nitrophenol	5000	U
105-67-9	2,4-Dimethylphenol	5000	U
111-91-1	bis(2-Chloroethoxy)methane	5000	U
120-83-2	2,4-Dichlorophenol	5000	U
65-85-0	Benzoic Acid	5000	U
120-82-1	1,2,4-Trichlorobenzene	5000	U
91-20-3	Naphthalene	5000	U
106-47-8	4-Chloroaniline	5000	U
87-68-3	Hexachlorobutadiene	5000	U
59-50-7	4-Chloro-3-methylphenol	5000	U
91-57-6	2-Methylnaphthalene	5000	U
77-47-4	Hexachlorocyclopentadiene	5000	U
88-06-2	2,4,6-Trichlorophenol	5000	U
95-95-4	2,4,5-Trichlorophenol	5000	U
91-58-7	2-Chloronaphthalene	5000	U
88-74-4	2-Nitroaniline	5000	U
131-11-3	Dimethylphthalate	5000	U
208-96-8	Acenaphthylene	5000	U
606-20-2	2,6-Dinitrotoluene	5000	U
99-09-2	3-Nitroaniline	5000	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-119

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.12(1:5)

Sample wt/vol: 10.33 (g/ml) G Lab File ID: BN03900.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 2.51 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	5000	U
51-28-5	2,4-Dinitrophenol	5000	U
132-64-9	Dibenzofuran	5000	U
100-02-7	4-Nitrophenol	5000	U
121-14-2	2,4-Dinitrotoluene	5000	U
84-66-2	Diethylphthalate	5000	U
86-73-7	Fluorene	5000	U
7005-72-3	4-Chlorophenyl-phenylether	5000	U
100-01-6	4-Nitroaniline	5000	U
534-52-1	4,6-Dinitro-2-methylphenol	5000	U
86-30-6	n-Nitrosodiphenylamine	5000	U
103-33-3	Azobenzene	5000	U
101-55-3	4-Bromophenyl-phenylether	5000	U
118-74-1	Hexachlorobenzene	5000	U
87-86-5	Pentachlorophenol	5000	U
85-01-8	Phenanthrene	5000	U
120-12-7	Anthracene	5000	U
84-74-2	Di-n-butylphthalate	510	JBD
206-44-0	Fluoranthene	5000	U
92-87-5	Benzidine	5000	U
129-00-0	Pyrene	730	JD
85-68-7	Butylbenzylphthalate	5000	U
56-55-3	Benzo[a]anthracene	5000	U
91-94-1	3,3'-Dichlorobenzidine	5000	U
218-01-9	Chrysene	5000	U
117-81-7	bis(2-Ethylhexyl)phthalate	1500	JBD
117-84-0	Di-n-octylphthalate	5000	U
205-99-2	Benzo[b]fluoranthene	5000	U
207-08-9	Benzo[k]fluoranthene	5000	U
50-32-8	Benzo[a]pyrene	5000	U
193-39-5	Indeno[1,2,3-cd]pyrene	5000	U
53-70-3	Dibenz[a,h]anthracene	5000	U
191-24-2	Benzo[g,h,i]perylene	5000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-119

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.12(1:5)

Sample wt/vol: 10.33 (g/ml) G Lab File ID: BN03900.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 2.51 decanted: (Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 019047-85-9	Phosphonic acid, dioctadecyl este	23.46	5300	JND

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-120

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.14

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BN03815.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 9.24 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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	180	J
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-120

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.14

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BN03815.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 9.24 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	250	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	550	JB
206-44-0	Fluoranthene	320	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	440	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	220	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	310	J
117-81-7	bis(2-Ethylhexyl)phthalate	150	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	170	J
207-08-9	Benzo[k]fluoranthene	180	J
50-32-8	Benzo[a]pyrene	210	J
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-120

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.14

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BN03815.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 9.24 decanted: (Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 13 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 017312-62-8	Decane, 5-propyl-	14.36	890	JN
2. 055045-11-9	Tridecane, 5-propyl-	16.59	980	JN
3. 001921-70-6	Pentadecane, 2,6,10,14-tetramet	17.19	2000	JN
4.	unknown	18.84	1300	J
5. 010544-50-0	Sulfur, mol. (S8)	20.55	1800	JN
6. 006971-40-0	17-Pentatriacontene	24.13	470	JN
7. 000506-52-5	1-Hexacosanol	24.76	1300	JN
8. 000629-94-7	Heneicosane	25.91	550	JN
9. 000112-92-5	1-Octadecanol	25.94	600	JN
10. 000638-66-4	Octadecanal	26.78	520	JN
11. 000630-06-8	Hexatriacontane	27.11	770	JN
12. 000629-96-9	1-Eicosanol	27.19	2200	JN
13. 000661-19-8	1-Docosanol	28.78	870	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-121

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.16

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN03812.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 14.09 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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	240	J
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-121

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.16

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN03812.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 14.09 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	190	J
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	260	J
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	540	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1400	B
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	340	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-121

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.16

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN03812.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 14.09 decanted: (Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 25 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.07	1400	J
2.	017301-23-4	Undecane, 2,6-dimethyl-	10.94	1500	JN
3.		unknown	11.78	2400	J
4.	029949-27-7	n-Amylcyclohexane	12.79	1200	JN
5.		unknown	13.25	1000	J
6.	000582-16-1	Naphthalene, 2,7-dimethyl-	13.74	1100	JN
7.	000581-40-8	Naphthalene, 2,3-dimethyl-	13.98	980	JN
8.	000575-37-1	Naphthalene, 1,7-dimethyl-	14.01	2100	JN
9.	000581-40-8	Naphthalene, 2,3-dimethyl-	14.23	960	JN
10.	003891-98-3	Dodecane, 2,6,10-trimethyl-	14.36	2800	JN
11.	000000-00-0	Decahydro-4,4,8,9,10-pentameth	14.51	1300	JN
12.		unknown	15.53	1300	J
13.	002245-38-7	Naphthalene, 1,6,7-trimethyl-	15.61	960	JN
14.		unknown	15.66	1300	J
15.	055045-11-9	Tridecane, 5-propyl-	16.60	3600	JN
16.		unknown	16.77	1100	J
17.	001921-70-6	Pentadecane, 2,6,10,14-tetramet	17.20	6000	JN
18.		unknown	17.41	990	J
19.		unknown	18.85	2900	J
20.	000593-45-3	Octadecane	18.96	1100	JN
21.	010544-50-0	Sulfur, mol. (S8)	20.55	2200	JN
22.	074685-30-6	5-Eicosene, (E)-	23.49	7100	JN
23.		unknown	24.59	1000	J
24.	000112-92-5	1-Octadecanol	24.75	1300	JN
25.	000629-96-9	1-Eicosanol	27.19	1800	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-122

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.18(1:10)

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN03904.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 19.64 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	12000	U
62-75-9	N-nitroso-dimethylamine	12000	U
62-53-3	Aniline	12000	U
108-95-2	Phenol	12000	U
111-44-4	bis(2-Chloroethyl)ether	12000	U
95-57-8	2-Chlorophenol	12000	U
541-73-1	1,3-Dichlorobenzene	12000	U
106-46-7	1,4-Dichlorobenzene	12000	U
100-51-6	Benzyl alcohol	12000	U
95-50-1	1,2-Dichlorobenzene	12000	U
95-48-7	2-Methylphenol	12000	U
108-60-1	bis(2-chloroisopropyl)ether	12000	U
106-44-5	4-Methylphenol	12000	U
621-64-7	n-Nitroso-di-n-propylamine	12000	U
67-72-1	Hexachloroethane	12000	U
98-95-3	Nitrobenzene	12000	U
78-59-1	Isophorone	12000	U
88-75-5	2-Nitrophenol	12000	U
105-67-9	2,4-Dimethylphenol	12000	U
111-91-1	bis(2-Chloroethoxy)methane	12000	U
120-83-2	2,4-Dichlorophenol	12000	U
65-85-0	Benzoic Acid	12000	U
120-82-1	1,2,4-Trichlorobenzene	12000	U
91-20-3	Naphthalene	12000	U
106-47-8	4-Chloroaniline	12000	U
87-68-3	Hexachlorobutadiene	12000	U
59-50-7	4-Chloro-3-methylphenol	12000	U
91-57-6	2-Methylnaphthalene	12000	U
77-47-4	Hexachlorocyclopentadiene	12000	U
88-06-2	2,4,6-Trichlorophenol	12000	U
95-95-4	2,4,5-Trichlorophenol	12000	U
91-58-7	2-Chloronaphthalene	12000	U
88-74-4	2-Nitroaniline	12000	U
131-11-3	Dimethylphthalate	12000	U
208-96-8	Acenaphthylene	7200	JD
606-20-2	2,6-Dinitrotoluene	12000	U
99-09-2	3-Nitroaniline	12000	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-122

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.18(1:10)

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN03904.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 19.64 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	12000	U
51-28-5	2,4-Dinitrophenol	12000	U
132-64-9	Dibenzofuran	12000	U
100-02-7	4-Nitrophenol	12000	U
121-14-2	2,4-Dinitrotoluene	12000	U
84-66-2	Diethylphthalate	12000	U
86-73-7	Fluorene	1700	JD
7005-72-3	4-Chlorophenyl-phenylether	12000	U
100-01-6	4-Nitroaniline	12000	U
534-52-1	4,6-Dinitro-2-methylphenol	12000	U
86-30-6	n-Nitrosodiphenylamine	12000	U
103-33-3	Azobenzene	12000	U
101-55-3	4-Bromophenyl-phenylether	12000	U
118-74-1	Hexachlorobenzene	12000	U
87-86-5	Pentachlorophenol	12000	U
85-01-8	Phenanthrene	15000	D
120-12-7	Anthracene	3500	JD
84-74-2	Di-n-butylphthalate	1400	JBD
206-44-0	Fluoranthene	13000	D
92-87-5	Benzidine	12000	U
129-00-0	Pyrene	28000	D
85-68-7	Butylbenzylphthalate	12000	U
56-55-3	Benzo[a]anthracene	11000	JD
91-94-1	3,3'-Dichlorobenzidine	12000	U
218-01-9	Chrysene	14000	D
117-81-7	bis(2-Ethylhexyl)phthalate	12000	U
117-84-0	Di-n-octylphthalate	12000	U
205-99-2	Benzo[b]fluoranthene	7700	JD
207-08-9	Benzo[k]fluoranthene	8500	JD
50-32-8	Benzo[a]pyrene	11000	JD
193-39-5	Indeno[1,2,3-cd]pyrene	2700	JD
53-70-3	Dibenz[a,h]anthracene	12000	U
191-24-2	Benzo[g,h,i]perylene	3100	JD

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-122

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.18(1:10)

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN03904.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 19.64 decanted: (Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 16 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	18.84	5000	JD
2. 000613-12-7	Anthracene, 2-methyl-	19.22	6500	JND
3. 000832-71-3	Phenanthrene, 3-methyl-	19.28	8400	JND
4. 000610-48-0	Anthracene, 1-methyl-	19.45	11000	JND
5. 000779-02-2	Anthracene, 9-methyl-	19.50	5600	JND
6. 003674-66-6	Phenanthrene, 2,5-dimethyl-	20.40	6900	JND
7.	unknown	20.46	5800	JD
8.	unknown	20.85	5800	JD
9.	unknown	21.83	7800	JD
10. 002381-21-7	Pyrene, 1-methyl-	22.03	4900	JND
11. 003442-78-2	Pyrene, 2-methyl-	22.21	6200	JND
12. 002381-21-7	Pyrene, 1-methyl-	22.27	5200	JND
13. 000082-05-3	7H-Benz[de]anthracen-7-one	22.87	5800	JND
14. 019047-85-9	Phosphonic acid, dioctadecyl este	23.47	8200	JND
15. 002381-31-9	Benz[a]anthracene, 8-methyl-	24.38	7500	JND
16. 000192-97-2	Benzo[e]pyrene	26.04	7900	JND

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-123

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.20

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BN03813.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 9.9 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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	120	J
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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-123

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.20

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BN03813.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 9.9 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	470	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1900	B
206-44-0	Fluoranthene	220	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	210	J
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	140	J
117-81-7	bis(2-Ethylhexyl)phthalate	140	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-123

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.20

Sample wt/vol: 10.11 (g/ml) G Lab File ID: BN03813.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 9.9 decanted: (Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 17 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.07	1600	J
2.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.85	3100	JN
3.	010544-50-0	Sulfur, mol. (S8)	20.55	2500	JN
4.	000544-76-3	Hexadecane	22.84	490	JN
5.	074685-30-6	5-Eicosene, (E)-	23.49	7500	JN
6.	006971-40-0	17-Pentatriacontene	24.13	460	JN
7.	000506-52-5	1-Hexacosanol	24.75	1400	JN
8.	056554-89-3	14-Octadecenal	25.60	1100	JN
9.	000629-97-0	Docosane	25.91	550	JN
10.	000112-92-5	1-Octadecanol	25.94	1100	JN
11.	056554-90-6	13-Octadecenal	26.78	490	JN
12.	000629-94-7	Heneicosane	27.11	760	JN
13.	000629-96-9	1-Eicosanol	27.18	2000	JN
14.		unknown	27.30	450	J
15.	000124-25-4	Tetradecanal	28.24	730	JN
16.	000661-19-8	1-Docosanol	28.78	1100	JN
17.		unknown	28.93	640	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-124

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.22

Sample wt/vol: 10.77 (g/ml) G Lab File ID: BN03816.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 9.07 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-124

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.22

Sample wt/vol: 10.77 (g/ml) G Lab File ID: BN03816.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 9.07 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	170	J
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	1600	B
206-44-0	Fluoranthene	190	J
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	250	J
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	120	J
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	180	J
117-81-7	bis(2-Ethylhexyl)phthalate	180	JB
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	130	J
207-08-9	Benzo[k]fluoranthene	100	J
50-32-8	Benzo[a]pyrene	140	J
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-124

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.22

Sample wt/vol: 10.77 (g/ml) G Lab File ID: BN03816.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 9.07 decanted: (Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/21/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 17 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 017301-33-6	Undecane, 4,8-dimethyl-	14.36	530	JN
2.	unknown	16.59	830	J
3. 001921-70-6	Pentadecane, 2,6,10,14-tetramet	17.19	1600	JN
4. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.85	2800	JN
5. 000057-10-3	Hexadecanoic acid	19.58	760	JN
6. 000112-92-5	1-Octadecanol	20.57	490	JN
7. 004292-19-7	Dodecane, 1-iodo-	22.84	500	JN
8. 001454-84-8	1-Nonadecanol	23.49	9000	JN
9. 006971-40-0	17-Pentatriacontene	24.13	560	JN
10. 006624-79-9	1-Dotriacontanol	24.75	1400	JN
11. 000112-95-8	Eicosane	25.91	440	JN
12. 057289-07-3	Isoheptadecanol	25.95	590	JN
13. 000629-97-0	Docosane	27.11	580	JN
14. 000629-96-9	1-Eicosanol	27.19	2400	JN
15.	unknown	27.94	590	J
16. 001599-67-3	1-Docosene	28.79	1100	JN
17.	unknown	29.34	480	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-125

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.24

Sample wt/vol: 10.61 (g/ml) G Lab File ID: BN03851.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 19.72 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-125

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.24

Sample wt/vol: 10.61 (g/ml) G Lab File ID: BN03851.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 19.72 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	220	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1800	B
206-44-0	Fluoranthene	430	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	380	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	180	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	240	J
117-81-7	bis(2-Ethylhexyl)phthalate	230	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	210	J
207-08-9	Benzo[k]fluoranthene	200	J
50-32-8	Benzo[a]pyrene	190	J
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-125

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.24

Sample wt/vol: 10.61 (g/ml) G Lab File ID: BN03851.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 19.72 decanted: (Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 003622-84-2	Benzenesulfonamide, N-butyl-	18.25	13000	JN
2.	unknown	18.84	1900	J
3. 000057-10-3	Hexadecanoic acid	19.58	1100	JN
4. 000057-11-4	Octadecanoic acid	21.17	600	JN
5. 000629-78-7	Heptadecane	22.83	620	JN
6.	unknown	22.99	530	J
7.	unknown	23.40	2100	J
8. 000112-85-6	Docosanoic acid	23.96	670	JN
9. 006624-79-9	1-Dotriacontanol	24.76	1300	JN
10. 000629-78-7	Heptadecane	25.91	1300	JN
11. 000297-03-0	Cyclotetracosane	25.95	3700	JN
12. 056554-90-6	13-Octadecenal	26.77	1400	JN
13. 000629-97-0	Docosane	27.11	2800	JN
14. 000629-96-9	1-Eicosanol	27.19	2500	JN
15. 000000-00-0	2-Heptacosanone	27.31	610	JN
16.	unknown	27.93	500	J
17.	unknown	28.24	1800	J
18. 000593-45-3	Octadecane	28.65	1400	JN
19. 000629-96-9	1-Eicosanol	28.78	1600	JN
20.	unknown	28.92	1100	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-126

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.26(1:5)

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BN03901.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 16.54 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	5900	U
62-75-9	N-nitroso-dimethylamine	5900	U
62-53-3	Aniline	5900	U
108-95-2	Phenol	5900	U
111-44-4	bis(2-Chloroethyl)ether	5900	U
95-57-8	2-Chlorophenol	5900	U
541-73-1	1,3-Dichlorobenzene	5900	U
106-46-7	1,4-Dichlorobenzene	5900	U
100-51-6	Benzyl alcohol	5900	U
95-50-1	1,2-Dichlorobenzene	5900	U
95-48-7	2-Methylphenol	5900	U
108-60-1	bis(2-chloroisopropyl)ether	5900	U
106-44-5	4-Methylphenol	5900	U
621-64-7	n-Nitroso-di-n-propylamine	5900	U
67-72-1	Hexachloroethane	5900	U
98-95-3	Nitrobenzene	5900	U
78-59-1	Isophorone	5900	U
88-75-5	2-Nitrophenol	5900	U
105-67-9	2,4-Dimethylphenol	5900	U
111-91-1	bis(2-Chloroethoxy)methane	5900	U
120-83-2	2,4-Dichlorophenol	5900	U
65-85-0	Benzoic Acid	5900	U
120-82-1	1,2,4-Trichlorobenzene	5900	U
91-20-3	Naphthalene	5900	U
106-47-8	4-Chloroaniline	5900	U
87-68-3	Hexachlorobutadiene	5900	U
59-50-7	4-Chloro-3-methylphenol	5900	U
91-57-6	2-Methylnaphthalene	5900	U
77-47-4	Hexachlorocyclopentadiene	5900	U
88-06-2	2,4,6-Trichlorophenol	5900	U
95-95-4	2,4,5-Trichlorophenol	5900	U
91-58-7	2-Chloronaphthalene	5900	U
88-74-4	2-Nitroaniline	5900	U
131-11-3	Dimethylphthalate	5900	U
208-96-8	Acenaphthylene	3200	JD
606-20-2	2,6-Dinitrotoluene	5900	U
99-09-2	3-Nitroaniline	5900	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-126

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.26(1:5)

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BN03901.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 16.54 decanted:(Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	5900	U
51-28-5	2,4-Dinitrophenol	5900	U
132-64-9	Dibenzofuran	5900	U
100-02-7	4-Nitrophenol	5900	U
121-14-2	2,4-Dinitrotoluene	5900	U
84-66-2	Diethylphthalate	5900	U
86-73-7	Fluorene	1000	JD
7005-72-3	4-Chlorophenyl-phenylether	5900	U
100-01-6	4-Nitroaniline	5900	U
534-52-1	4,6-Dinitro-2-methylphenol	5900	U
86-30-6	n-Nitrosodiphenylamine	5900	U
103-33-3	Azobenzene	5900	U
101-55-3	4-Bromophenyl-phenylether	5900	U
118-74-1	Hexachlorobenzene	5900	U
87-86-5	Pentachlorophenol	5900	U
85-01-8	Phenanthrene	6400	D
120-12-7	Anthracene	1600	JD
84-74-2	Di-n-butylphthalate	1800	JBD
206-44-0	Fluoranthene	6300	D
92-87-5	Benzidine	5900	U
129-00-0	Pyrene	12000	D
85-68-7	Butylbenzylphthalate	5900	U
56-55-3	Benzo[a]anthracene	5400	JD
91-94-1	3,3'-Dichlorobenzidine	5900	U
218-01-9	Chrysene	7200	D
117-81-7	bis(2-Ethylhexyl)phthalate	5900	U
117-84-0	Di-n-octylphthalate	5900	U
205-99-2	Benzo[b]fluoranthene	3700	JD
207-08-9	Benzo[k]fluoranthene	3300	JD
50-32-8	Benzo[a]pyrene	5500	JD
193-39-5	Indeno[1,2,3-cd]pyrene	1800	JD
53-70-3	Dibenz[a,h]anthracene	780	JD
191-24-2	Benzo[g,h,i]perylene	2000	JD

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B-126

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4777 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4777.26(1:5)

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BN03901.D

Level: (low/med) LOW Date Received: 9/8/99

% Moisture: 16.54 decanted: (Y/N) N Date Extracted: 9/20/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 16 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	18.83	4800	JD
2. 000832-71-3	Phenanthrene, 3-methyl-	19.21	2800	JND
3. 000613-12-7	Anthracene, 2-methyl-	19.27	3500	JND
4. 000832-69-9	Phenanthrene, 1-methyl-	19.44	5400	JND
5. 000613-12-7	Anthracene, 2-methyl-	19.49	2800	JND
6. 003674-66-6	Phenanthrene, 2,5-dimethyl-	20.40	3500	JND
7.	unknown	20.45	3600	JD
8.	unknown	20.85	2500	JD
9. 000243-17-4	11H-Benzo[b]fluorene	21.83	4200	JND
10. 002381-21-7	Pyrene, 1-methyl-	22.02	2500	JND
11. 003353-12-6	Pyrene, 4-methyl-	22.20	3400	JND
12. 002381-21-7	Pyrene, 1-methyl-	22.26	2700	JND
13.	unknown	23.13	2500	JD
14. 000629-96-9	1-Eicosanol	23.47	10000	JND
15. 002381-31-9	Benz[a]anthracene, 8-methyl-	24.37	4600	JND
16. 000198-55-0	Perylene	26.04	3600	JND

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-127

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.02

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BN03918.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 10.24 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/29/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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	670	J
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	390	J
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	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	1600	
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-127

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.02

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BN03918.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 10.24 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/29/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	840	J
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	460	J
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	1000	J
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	9800	
120-12-7	Anthracene	3400	
84-74-2	Di-n-butylphthalate	550	JB
206-44-0	Fluoranthene	15000	E
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	16000	E
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	13000	
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	11000	
117-81-7	bis(2-Ethylhexyl)phthalate	190	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	11000	
207-08-9	Benzo[k]fluoranthene	9100	
50-32-8	Benzo[a]pyrene	12000	
193-39-5	Indeno[1,2,3-cd]pyrene	4400	
53-70-3	Dibenz[a,h]anthracene	2000	
191-24-2	Benzo[g,h,i]perylene	3700	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-127

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.02

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BN03918.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 10.24 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/29/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 25 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000832-71-3	Phenanthrene, 3-methyl-	19.23	1200	JN
2. 000613-12-7	Anthracene, 2-methyl-	19.28	1800	JN
3.	unknown	19.46	3100	J
4. 000612-94-2	Naphthalene, 2-phenyl-	19.88	1600	JN
5. 000084-65-1	9,10-Anthracenedione	19.94	1200	JN
6. 003674-65-5	Phenanthrene, 2,3-dimethyl-	20.45	1500	JN
7. 005737-13-3	Cyclopenta(def)phenanthrenone	20.61	2400	JN
8. 003442-78-2	Pyrene, 2-methyl-	21.87	1400	JN
9.	unknown	23.18	1500	J
10. 019047-85-9	Phosphonic acid, dioctadecyl este	23.49	1700	JN
11. 003351-28-8	Chrysene, 1-methyl-	24.42	1200	JN
12. 001705-85-7	Chrysene, 6-methyl-	24.68	1000	JN
13. 004325-74-0	1,2'-Binaphthalene	25.38	2100	JN
14. 000198-55-0	Perylene	25.82	2800	JN
15. 000112-95-8	Eicosane	25.92	1200	JN
16. 000297-03-0	Cyclotetracosane	25.95	1600	JN
17. 000192-97-2	Benzo[e]pyrene	26.12	7400	JN
18.	unknown	26.40	1200	J
19.	unknown	26.79	1000	J
20.	unknown	27.11	2500	J
21. 000629-96-9	1-Eicosanol	27.19	1400	JN
22. 000215-58-7	Benzo[b]triphenylene	28.15	1100	JN
23.	unknown	28.66	1600	J
24.	unknown	28.76	1100	J
25.	unknown	18.84	1400	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-127

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.02 (1:10)

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BN03936.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 10.24 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/1/99

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	11000	U
62-75-9	N-nitroso-dimethylamine	11000	U
62-53-3	Aniline	11000	U
108-95-2	Phenol	11000	U
111-44-4	bis(2-Chloroethyl)ether	11000	U
95-57-8	2-Chlorophenol	11000	U
541-73-1	1,3-Dichlorobenzene	11000	U
106-46-7	1,4-Dichlorobenzene	11000	U
100-51-6	Benzyl alcohol	11000	U
95-50-1	1,2-Dichlorobenzene	11000	U
95-48-7	2-Methylphenol	11000	U
108-60-1	bis(2-chloroisopropyl)ether	11000	U
106-44-5	4-Methylphenol	11000	U
621-64-7	n-Nitroso-di-n-propylamine	11000	U
67-72-1	Hexachloroethane	11000	U
98-95-3	Nitrobenzene	11000	U
78-59-1	Isophorone	11000	U
88-75-5	2-Nitrophenol	11000	U
105-67-9	2,4-Dimethylphenol	11000	U
111-91-1	bis(2-Chloroethoxy)methane	11000	U
120-83-2	2,4-Dichlorophenol	11000	U
65-85-0	Benzoic Acid	11000	U
120-82-1	1,2,4-Trichlorobenzene	11000	U
91-20-3	Naphthalene	11000	U
106-47-8	4-Chloroaniline	11000	U
87-68-3	Hexachlorobutadiene	11000	U
59-50-7	4-Chloro-3-methylphenol	11000	U
91-57-6	2-Methylnaphthalene	11000	U
77-47-4	Hexachlorocyclopentadiene	11000	U
88-06-2	2,4,6-Trichlorophenol	11000	U
95-95-4	2,4,5-Trichlorophenol	11000	U
91-58-7	2-Chloronaphthalene	11000	U
88-74-4	2-Nitroaniline	11000	U
131-11-3	Dimethylphthalate	11000	U
208-96-8	Acenaphthylene	1700	JD
606-20-2	2,6-Dinitrotoluene	11000	U
99-09-2	3-Nitroaniline	11000	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-127

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.02 (1:10)

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BN03936.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 10.24 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/1/99

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	11000	U
51-28-5	2,4-Dinitrophenol	11000	U
132-64-9	Dibenzofuran	11000	U
100-02-7	4-Nitrophenol	11000	U
121-14-2	2,4-Dinitrotoluene	11000	U
84-66-2	Diethylphthalate	11000	U
86-73-7	Fluorene	1200	JD
7005-72-3	4-Chlorophenyl-phenylether	11000	U
100-01-6	4-Nitroaniline	11000	U
534-52-1	4,6-Dinitro-2-methylphenol	11000	U
86-30-6	n-Nitrosodiphenylamine	11000	U
103-33-3	Azobenzene	11000	U
101-55-3	4-Bromophenyl-phenylether	11000	U
118-74-1	Hexachlorobenzene	11000	U
87-86-5	Pentachlorophenol	11000	U
85-01-8	Phenanthrene	15000	D
120-12-7	Anthracene	3900	JD
84-74-2	Di-n-butylphthalate	11000	U
206-44-0	Fluoranthene	32000	D
92-87-5	Benzidine	11000	U
129-00-0	Pyrene	29000	D
85-68-7	Butylbenzylphthalate	11000	U
56-55-3	Benzo[a]anthracene	17000	D
91-94-1	3,3'-Dichlorobenzidine	11000	U
218-01-9	Chrysene	18000	D
117-81-7	bis(2-Ethylhexyl)phthalate	11000	U
117-84-0	Di-n-octylphthalate	11000	U
205-99-2	Benzo[b]fluoranthene	15000	D
207-08-9	Benzo[k]fluoranthene	13000	D
50-32-8	Benzo[a]pyrene	17000	D
193-39-5	Indeno[1,2,3-cd]pyrene	7500	JD
53-70-3	Dibenz[a,h]anthracene	3200	JD
191-24-2	Benzo[g,h,i]perylene	7500	JD

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-128

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.04(1:5)

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN03902.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 6.11 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	5300	U
108-60-1	bis(2-chloroisopropyl)ether	5300	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-128

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.04(1:5)

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN03902.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 6.11 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

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	850	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

EPA SAMPLE NO.

B-128

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.04(1:5)

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN03902.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 6.11 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 027519-02-4	9-Tricosene, (Z)-	23.47	6000	JND
2. 000112-95-8	Eicosane	27.11	2200	JND
3.	unknown	27.26	5700	JD
4.	unknown	27.87	2800	JD

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-129

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.06

Sample wt/vol: 10.04 (g/ml) G Lab File ID: BN03843.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 36.89 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1600	U
62-75-9	N-nitroso-dimethylamine	1600	U
62-53-3	Aniline	1600	U
108-95-2	Phenol	1600	U
111-44-4	bis(2-Chloroethyl)ether	1600	U
95-57-8	2-Chlorophenol	1600	U
541-73-1	1,3-Dichlorobenzene	1600	U
106-46-7	1,4-Dichlorobenzene	1600	U
100-51-6	Benzyl alcohol	1600	U
95-50-1	1,2-Dichlorobenzene	1600	U
95-48-7	2-Methylphenol	1600	U
108-60-1	bis(2-chloroisopropyl)ether	1600	U
106-44-5	4-Methylphenol	1600	U
621-64-7	n-Nitroso-di-n-propylamine	1600	U
67-72-1	Hexachloroethane	1600	U
98-95-3	Nitrobenzene	1600	U
78-59-1	Isophorone	1600	U
88-75-5	2-Nitrophenol	1600	U
105-67-9	2,4-Dimethylphenol	1600	U
111-91-1	bis(2-Chloroethoxy)methane	1600	U
120-83-2	2,4-Dichlorophenol	1600	U
65-85-0	Benzoic Acid	1600	U
120-82-1	1,2,4-Trichlorobenzene	1600	U
91-20-3	Naphthalene	1600	U
106-47-8	4-Chloroaniline	1600	U
87-68-3	Hexachlorobutadiene	1600	U
59-50-7	4-Chloro-3-methylphenol	1600	U
91-57-6	2-Methylnaphthalene	1600	U
77-47-4	Hexachlorocyclopentadiene	1600	U
88-06-2	2,4,6-Trichlorophenol	1600	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	1600	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethylphthalate	1600	U
208-96-8	Acenaphthylene	340	J
606-20-2	2,6-Dinitrotoluene	1600	U
99-09-2	3-Nitroaniline	1600	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-129

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.06

Sample wt/vol: 10.04 (g/ml) G Lab File ID: BN03843.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 36.89 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1600	U
51-28-5	2,4-Dinitrophenol	1600	U
132-64-9	Dibenzofuran	1600	U
100-02-7	4-Nitrophenol	1600	U
121-14-2	2,4-Dinitrotoluene	1600	U
84-66-2	Diethylphthalate	1600	U
86-73-7	Fluorene	170	J
7005-72-3	4-Chlorophenyl-phenylether	1600	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-methylphenol	1600	U
86-30-6	n-Nitrosodiphenylamine	1600	U
103-33-3	Azobenzene	1600	U
101-55-3	4-Bromophenyl-phenylether	1600	U
118-74-1	Hexachlorobenzene	1600	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	1400	J
120-12-7	Anthracene	310	J
84-74-2	Di-n-butylphthalate	750	JB
206-44-0	Fluoranthene	2100	
92-87-5	Benzidine	1600	U
129-00-0	Pyrene	2200	
85-68-7	Butylbenzylphthalate	1600	U
56-55-3	Benzo[a]anthracene	1200	J
91-94-1	3,3'-Dichlorobenzidine	1600	U
218-01-9	Chrysene	1400	J
117-81-7	bis(2-Ethylhexyl)phthalate	300	JB
117-84-0	Di-n-octylphthalate	1600	U
205-99-2	Benzo[b]fluoranthene	900	J
207-08-9	Benzo[k]fluoranthene	1000	J
50-32-8	Benzo[a]pyrene	1200	J
193-39-5	Indeno[1,2,3-cd]pyrene	580	J
53-70-3	Dibenz[a,h]anthracene	160	J
191-24-2	Benzo[g,h,i]perylene	650	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-129

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.06

Sample wt/vol: 10.04 (g/ml) G Lab File ID: BN03843.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 36.89 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 9 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	18.83	1200	J
2. 000057-10-3	Hexadecanoic acid	19.57	1400	JN
3. 000112-92-5	1-Octadecanol	23.48	7800	JN
4. 006971-40-0	17-Pentatriacontene	24.75	1200	JN
5.	unknown	25.94	1300	J
6. 000192-97-2	Benzo[e]pyrene	26.03	1100	JN
7. 000630-06-8	Hexatriacontane	27.11	1100	JN
8. 074685-33-9	3-Eicosene, (E)-	27.18	2500	JN
9. 000629-96-9	1-Eicosanol	28.78	1300	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-130

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.08

Sample wt/vol: 10.6 (g/ml) G Lab File ID: BN03844.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 16.25 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-130

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.08

Sample wt/vol: 10.6 (g/ml) G Lab File ID: BN03844.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 16.25 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1400	B
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	160	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-130

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.08

Sample wt/vol: 10.6 (g/ml) G Lab File ID: BN03844.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 16.25 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	18.83	1600	J
2. 000057-10-3	Hexadecanoic acid	19.56	510	JN
3. 001454-84-8	1-Nonadecanol	23.48	5300	JN
4. 001599-67-3	1-Docosene	24.75	510	JN
5. 000629-96-9	1-Eicosanol	27.18	1400	JN
6. 006971-40-0	17-Pentatriacontene	28.76	530	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-131

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.10(1:5)

Sample wt/vol: 9.98 (g/ml) G Lab File ID: BN03903.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 10.25 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	5600	U
108-60-1	bis(2-chloroisopropyl)ether	5600	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-131

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.10(1:5)

Sample wt/vol: 9.98 (g/ml) G Lab File ID: BN03903.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 10.25 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	660	JD
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	570	JD
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	7800	D
120-12-7	Anthracene	1700	JD
84-74-2	Di-n-butylphthalate	1300	JBD
206-44-0	Fluoranthene	16000	D
92-87-5	Benzidine	5600	U
129-00-0	Pyrene	14000	D
85-68-7	Butylbenzylphthalate	5600	U
56-55-3	Benzo[a]anthracene	7500	D
91-94-1	3,3'-Dichlorobenzidine	5600	U
218-01-9	Chrysene	8500	D
117-81-7	bis(2-Ethylhexyl)phthalate	2000	JBD
117-84-0	Di-n-octylphthalate	5600	U
205-99-2	Benzo[b]fluoranthene	9500	D
207-08-9	Benzo[k]fluoranthene	8000	D
50-32-8	Benzo[a]pyrene	8600	D
193-39-5	Indeno[1,2,3-cd]pyrene	3000	JD
53-70-3	Dibenz[a,h]anthracene	920	JD
191-24-2	Benzo[g,h,i]perylene	2800	JD

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-131

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.10(1:5)

Sample wt/vol: 9.98 (g/ml) G Lab File ID: BN03903.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 10.25 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000238-84-6	11H-Benzo[a]fluorene	21.82	2700	JND
2. 019047-85-9	Phosphonic acid, dioctadecyl este	23.47	5900	JND
3. 000205-99-2	Benz[e]acephenanthrylene	25.76	2300	JND
4. 080249-75-8	3,4-Epoxy-4a-ethyl-2,3,4,4a,5,6-h	25.93	3300	JND
5. 000198-55-0	Perylene	26.04	6400	JND
6. 002765-11-9	Pentadecanal-	26.77	2600	JND
7. 054833-23-7	Eicosane, 10-methyl-	27.11	3600	JND

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-132

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.12

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN03845.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 14.24 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-132

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.12

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN03845.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 14.24 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	180	J
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	1400	B
206-44-0	Fluoranthene	180	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	190	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	140	J
117-81-7	bis(2-Ethylhexyl)phthalate	150	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
50-32-8	Benzo[a]pyrene	120	J
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-132

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.12

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN03845.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 14.24 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 10 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.83	2000	JN
2.	000057-10-3	Hexadecanoic acid	19.57	740	JN
3.	019047-85-9	Phosphonic acid, dioctadecyl este	23.47	5100	JN
4.	006971-40-0	17-Pentatriacontene	24.75	620	JN
5.	000629-80-1	Hexadecanal	25.58	1200	JN
6.	000629-96-9	1-Eicosanol	25.94	1000	JN
7.	055045-08-4	Dodecane, 2-methyl-6-propyl-	27.11	620	JN
8.	000629-96-9	1-Eicosanol	27.18	1500	JN
9.	007390-81-0	Oxirane, hexadecyl-	28.23	510	JN
10.	000629-96-9	1-Eicosanol	28.77	860	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-133

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.14(1:5)

Sample wt/vol: 10.44 (g/ml) G Lab File ID: BN03899.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 9.98 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	5300	U
108-60-1	bis(2-chloroisopropyl)ether	5300	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-133

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.14(1:5)

Sample wt/vol: 10.44 (g/ml) G Lab File ID: BN03899.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 9.98 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

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	2700	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

EPA SAMPLE NO.

B-133

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.14(1:5)

Sample wt/vol: 10.44 (g/ml) G Lab File ID: BN03899.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 9.98 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	18.82	3300	JD
2. 019047-85-9	Phosphonic acid, dioctadecyl este	23.46	6900	JND

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-134

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.16

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN03846.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 8.3 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-134

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.16

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN03846.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 8.3 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1300	B
206-44-0	Fluoranthene	180	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	230	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	120	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	180	J
117-81-7	bis(2-Ethylhexyl)phthalate	140	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	140	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	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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-134

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.16

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN03846.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 8.3 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 15 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	18.84	1700	JN
2. 000057-10-3	Hexadecanoic acid	19.57	570	JN
3. 007704-34-9	Sulfur	20.53	660	JN
4. 019047-85-9	Phosphonic acid, dioctadecyl este	23.48	5100	JN
5. 015965-99-8	Oxirane, [(hexadecyloxy)methyl]-	24.74	1000	JN
6. 000629-92-5	Nonadecane	25.91	890	JN
7. 000629-96-9	1-Eicosanol	25.94	3500	JN
8. 000000-00-0	1-Hexacosanal	26.78	1200	JN
9. 000629-94-7	Heneicosane	27.11	2300	JN
10. 000629-96-9	1-Eicosanol	27.18	2000	JN
11. 000000-00-0	1-Hexacosanal	28.24	1400	JN
12. 000593-45-3	Octadecane	28.65	1400	JN
13. 077899-03-7	1-Heneicosyl formate	28.78	1100	JN
14.	unknown	28.92	1100	J
15. 000083-47-6	.gamma.-Sitosterol	29.33	520	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-135

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.18

Sample wt/vol: 10.42 (g/ml) G Lab File ID: BN03847.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 16.29 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-135

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.18

Sample wt/vol: 10.42 (g/ml) G Lab File ID: BN03847.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 16.29 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1700	B
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	260	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-135

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.18

Sample wt/vol: 10.42 (g/ml) G Lab File ID: BN03847.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 16.29 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	18.84	1900	J
2. 000057-10-3	Hexadecanoic acid	19.57	730	JN
3. 074685-30-6	5-Eicosene, (E)-	23.48	6100	JN
4. 006624-79-9	1-Dotriacontanol	24.75	670	JN
5. 000629-96-9	1-Eicosanol	27.18	1700	JN
6. 006971-40-0	17-Pentatriacontene	28.78	690	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-136

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.20

Sample wt/vol: 10.61 (g/ml) G Lab File ID: BN03848.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 14.26 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-136

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.20

Sample wt/vol: 10.61 (g/ml) G Lab File ID: BN03848.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 14.26 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	740	JB
206-44-0	Fluoranthene	120	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	120	J
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	200	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-136

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.20

Sample wt/vol: 10.61 (g/ml) G Lab File ID: BN03848.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 14.26 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 11 (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	18.83	1100	J
2.	000057-10-3	Hexadecanoic acid	19.58	1100	JN
3.	000112-92-5	1-Octadecanol	23.49	5900	JN
4.	006971-40-0	17-Pentatriacontene	24.75	700	JN
5.	007390-81-0	Oxirane, hexadecyl-	25.59	570	JN
6.		unknown	25.93	460	J
7.	000629-96-9	1-Eicosanol	27.18	1800	JN
8.		unknown	28.23	1000	J
9.	004651-51-8	Ergost-5-en-3-ol, (3.beta.)-	28.49	640	JN
10.	000083-48-7	Stigmasterol	28.78	1600	JN
11.		unknown	28.91	510	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-137

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.22

Sample wt/vol: 10.12 (g/ml) G Lab File ID: BN03897.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 15.05 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-137

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.22

Sample wt/vol: 10.12 (g/ml) G Lab File ID: BN03897.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 15.05 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	310	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1600	B
206-44-0	Fluoranthene	550	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	510	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	280	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	330	J
117-81-7	bis(2-Ethylhexyl)phthalate	240	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	270	J
207-08-9	Benzo[k]fluoranthene	240	J
50-32-8	Benzo[a]pyrene	310	J
193-39-5	Indeno[1,2,3-cd]pyrene	160	J
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	180	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-137

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.22

Sample wt/vol: 10.12 (g/ml) G Lab File ID: BN03897.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 15.05 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 13 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	18.83	1900	JN
2. 000057-10-3	Hexadecanoic acid	19.56	560	JN
3. 000629-96-9	1-Eicosanol	23.47	7000	JN
4. 001599-67-3	1-Docosene	24.12	530	JN
5. 000506-52-5	1-Hexacosanol	24.75	880	JN
6. 000629-92-5	Nonadecane	25.90	640	JN
7. 000112-92-5	1-Octadecanol	25.94	1300	JN
8. 056554-90-6	13-Octadecenal	26.76	710	JN
9. 000630-06-8	Hexatriacontane	27.10	990	JN
10. 000661-19-8	1-Docosanol	27.18	1300	JN
11.	unknown	27.30	470	J
12. 055045-08-4	Dodecane, 2-methyl-6-propyl-	28.64	490	JN
13. 001599-67-3	1-Docosene	28.76	700	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-138

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.24

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN03872.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 16.43 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-138

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.24

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN03872.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 16.43 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	270	J
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	2700	B
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
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	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	250	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-138

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.24

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN03872.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 16.43 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 13 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	18.83	3300	JN
2. 000057-10-3	Hexadecanoic acid	19.58	1200	JN
3. 007704-34-9	Sulfur	20.53	680	JN
4. 019047-85-9	Phosphonic acid, dioctadecyl este	23.48	6400	JN
5. 040710-42-7	1-Hentetracontanol	24.74	760	JN
6. 000000-00-0	1-Hexacosanal	25.58	1400	JN
7. 006971-40-0	17-Pentatriacontene	25.93	1500	JN
8. 056554-87-1	16-Octadecenal	26.77	470	JN
9. 000629-92-5	Nonadecane	27.11	930	JN
10. 000629-96-9	1-Eicosanol	27.18	1700	JN
11. 007098-22-8	Tetratetracontane	28.64	500	JN
12. 000112-88-9	1-Octadecene	28.77	780	JN
13.	unknown	29.32	520	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-139

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.26

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BN03881.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 12.98 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-139

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.26

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BN03881.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 12.98 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	230	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	730	JB
206-44-0	Fluoranthene	710	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	710	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	410	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	470	J
117-81-7	bis(2-Ethylhexyl)phthalate	230	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	390	J
207-08-9	Benzo[k]fluoranthene	410	J
50-32-8	Benzo[a]pyrene	430	J
193-39-5	Indeno[1,2,3-cd]pyrene	210	J
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	220	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-139

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4790 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4790.26

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BN03881.D

Level: (low/med) LOW Date Received: 9/15/99

% Moisture: 12.98 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 17 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.83	1000	JN
2. 010544-50-0	Sulfur, mol. (S8)	20.54	870	JN
3. 000243-46-9	Benzo[b]naphtho[2,3-d]thiophene	23.06	610	JN
4. 019047-85-9	Phosphonic acid, dioctadecyl este	23.48	7400	JN
5. 025276-70-4	1-Pentadecanethiol	24.12	490	JN
6. 006624-79-9	1-Dotriacontanol	24.75	1500	JN
7. 000000-00-0	10-Methylnonadecane	25.33	510	JN
8. 054833-23-7	Eicosane, 10-methyl-	25.90	1200	JN
9. 000297-03-0	Cyclotetracosane	25.94	2100	JN
10. 000205-82-3	Benzo[j]fluoranthene	26.04	540	JN
11. 056554-86-0	17-Octadecenal	26.77	1100	JN
12. 073105-67-6	1-Iodo-2-methylundecane	27.11	1900	JN
13. 000629-96-9	1-Eicosanol	27.18	1900	JN
14. 056554-86-0	17-Octadecenal	28.23	930	JN
15. 000112-95-8	Eicosane	28.65	1100	JN
16. 036653-82-4	1-Hexadecanol	28.77	1400	JN
17. 000083-47-6	.gamma.-Sitosterol	29.32	530	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-140

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.02

Sample wt/vol: 9.98 (g/ml) G Lab File ID: BN03873.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 15.56 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-140

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.02

Sample wt/vol: 9.98 (g/ml) G Lab File ID: BN03873.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 15.56 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	280	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1500	B
206-44-0	Fluoranthene	410	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	380	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	200	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	240	J
117-81-7	bis(2-Ethylhexyl)phthalate	210	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	200	J
207-08-9	Benzo[k]fluoranthene	160	J
50-32-8	Benzo[a]pyrene	190	J
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B-140

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.02

Sample wt/vol: 9.98 (g/ml) G Lab File ID: BN03873.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 15.56 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 13 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-10-3	Hexadecanoic acid	19.57	1100	JN
2. 000629-96-9	1-Eicosanol	23.48	7100	JN
3. 000112-92-5	1-Octadecanol	24.75	1200	JN
4. 054833-23-7	Eicosane, 10-methyl-	25.90	910	JN
5. 000297-03-0	Cyclotetracosane	25.94	1500	JN
6. 000629-80-1	Hexadecanal	26.77	890	JN
7. 000629-59-4	Tetradecane	27.11	1500	JN
8. 000629-96-9	1-Eicosanol	27.18	2100	JN
9.	unknown	28.23	1000	J
10. 000544-76-3	Hexadecane	28.65	640	JN
11. 029354-98-1	Hexadecanol	28.77	1200	JN
12.	unknown	28.91	1000	J
13. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.83	1900	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-141

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.04

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN03874.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 14.38 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-141

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.04

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN03874.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 14.38 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	270	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	520	JB
206-44-0	Fluoranthene	430	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	380	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	180	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	200	J
117-81-7	bis(2-Ethylhexyl)phthalate	150	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	150	J
207-08-9	Benzo[k]fluoranthene	130	J
50-32-8	Benzo[a]pyrene	150	J
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-141

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.04

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN03874.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 14.38 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 10 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-64-0	1,2-Benzenedicarboxylic acid, but	18.83	820	JN
2. 000057-10-3	Hexadecanoic acid	19.56	590	JN
3. 074685-30-6	5-Eicosene, (E)-	23.48	6100	JN
4. 006624-79-9	1-Dotriacontanol	24.75	730	JN
5. 000112-92-5	1-Octadecanol	25.94	820	JN
6. 000112-95-8	Eicosane	27.10	730	JN
7. 000629-96-9	1-Eicosanol	27.18	1600	JN
8. 000638-66-4	Octadecanal	28.23	580	JN
9. 006971-40-0	17-Pentatriacontene	28.77	930	JN
10.	unknown	28.91	580	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-142

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.06

Sample wt/vol: 10.14 (g/ml) G Lab File ID: BN03880.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 17.85 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-142

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.06

Sample wt/vol: 10.14 (g/ml) G Lab File ID: BN03880.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 17.85 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	250	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1500	B
206-44-0	Fluoranthene	400	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	370	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	170	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)phthalate	260	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	190	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	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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-142

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.06

Sample wt/vol: 10.14 (g/ml) G Lab File ID: BN03880.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 17.85 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 17 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.84	2200	JN
2. 000057-10-3	Hexadecanoic acid	19.58	1900	JN
3. 010544-50-0	Sulfur, mol. (S8)	20.56	3000	JN
4. 074685-30-6	5-Eicosene, (E)-	23.48	7600	JN
5. 015965-99-8	Oxirane, [(hexadecyloxy)methyl]-	24.75	1800	JN
6. 000630-06-8	Hexatriacontane	25.33	750	JN
7. 054833-23-7	Eicosane, 10-methyl-	25.91	1800	JN
8. 001454-84-8	1-Nonadecanol	25.95	6300	JN
9.	unknown	26.04	640	J
10. 056554-90-6	13-Octadecenal	26.77	2300	JN
11. 000629-97-0	Docosane	27.11	3500	JN
12. 000629-96-9	1-Eicosanol	27.19	2400	JN
13. 056554-87-1	16-Octadecenal	28.24	1200	JN
14. 004651-51-8	Ergost-5-en-3-ol, (3.beta.)-	28.50	500	JN
15. 054833-23-7	Eicosane, 10-methyl-	28.65	2100	JN
16. 055401-76-8	Cyclopentane, 1,1'-hexadecylider	28.78	1400	JN
17. 000083-47-6	.gamma.-Sitosterol	29.34	1700	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-143

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.08

Sample wt/vol: 10.3 (g/ml) G Lab File ID: BN03875.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 16.22 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-143

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.08

Sample wt/vol: 10.3 (g/ml) G Lab File ID: BN03875.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 16.22 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	520	JB
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
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	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	150	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-143

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.08

Sample wt/vol: 10.3 (g/ml) G Lab File ID: BN03875.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 16.22 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 9 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	18.83	780	JN
2. 000057-10-3	Hexadecanoic acid	19.57	1100	JN
3. 000112-92-5	1-Octadecanol	23.48	5600	JN
4. 006971-40-0	17-Pentatriacontene	24.75	670	JN
5. 000630-06-8	Hexatriacontane	27.10	570	JN
6. 000629-96-9	1-Eicosanol	27.18	1400	JN
7.	unknown	28.65	490	J
8. 006971-40-0	17-Pentatriacontene	28.77	750	JN
9.	unknown	28.91	480	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-144

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.10

Sample wt/vol: 10.9 (g/ml) G Lab File ID: BN03876.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 12.09 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-144

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.10

Sample wt/vol: 10.9 (g/ml) G Lab File ID: BN03876.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 12.09 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	2400	B
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	JB
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-144

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.10

Sample wt/vol: 10.9 (g/ml) G Lab File ID: BN03876.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 12.09 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	17.50	2300	J
2.	unknown	17.63	1600	J
3.	unknown	18.84	3500	J
4. 000057-10-3	Hexadecanoic acid	19.57	430	JN
5. 000629-96-9	1-Eicosanol	23.48	6100	JN
6. 006971-40-0	17-Pentatriacontene	24.75	560	JN
7. 006624-79-9	1-Dotriacontanol	27.18	1200	JN
8. 006971-40-0	17-Pentatriacontene	28.77	640	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-145

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.12

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BN03877.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 16.23 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-145

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.12

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BN03877.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 16.23 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	2200	B
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
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	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	180	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	1200	U
207-08-9	Benzo[k]fluoranthene	1200	U
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	1200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-145

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.12

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BN03877.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 16.23 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 6 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	18.84	3000	JN
2. 000057-10-3	Hexadecanoic acid	19.58	1100	JN
3. 019047-85-9	Phosphonic acid, dioctadecyl este	23.48	5500	JN
4. 006624-79-9	1-Dotriacontanol	24.75	590	JN
5. 000629-96-9	1-Eicosanol	27.18	1400	JN
6. 000629-96-9	1-Eicosanol	28.77	520	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-146

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.14

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BN03898.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 16.81 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-146

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.14

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BN03898.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 16.81 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	410	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-butylphthalate	1700	B
206-44-0	Fluoranthene	630	J
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	650	J
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	350	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	400	J
117-81-7	bis(2-Ethylhexyl)phthalate	190	JB
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo[b]fluoranthene	290	J
207-08-9	Benzo[k]fluoranthene	290	J
50-32-8	Benzo[a]pyrene	340	J
193-39-5	Indeno[1,2,3-cd]pyrene	160	J
53-70-3	Dibenz[a,h]anthracene	1200	U
191-24-2	Benzo[g,h,i]perylene	180	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-146

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.14

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BN03898.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 16.81 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	18.83	2600	J
2. 000057-10-3	Hexadecanoic acid	19.57	970	JN
3. 019047-85-9	Phosphonic acid, dioctadecyl este	23.47	5400	JN
4. 000112-88-9	1-Octadecene	24.74	680	JN
5. 001454-84-8	1-Nonadecanol	25.93	1000	JN
6. 000638-66-4	Octadecanal	26.76	550	JN
7. 000630-03-5	Nonacosane	27.09	630	JN
8. 000629-96-9	1-Eicosanol	27.17	1400	JN
9. 000661-19-8	1-Docosanol	28.76	730	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-147

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.16

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN03879.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 11.05 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-147

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.16

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN03879.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 11.05 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1600	B
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	220	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-147

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.16

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN03879.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 11.05 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 6

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	18.83	2500	JN
2. 000057-10-3	Hexadecanoic acid	19.58	930	JN
3. 000629-96-9	1-Eicosanol	23.48	5200	JN
4. 006624-79-9	1-Dotriacontanol	24.75	520	JN
5. 001599-67-3	1-Docosene	27.18	1300	JN
6. 006971-40-0	17-Pentatriacontene	28.77	530	JN

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-148

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.18

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BN03878.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 11.34 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
95-48-7	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
106-44-5	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
95-95-4	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-148

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.18

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BN03878.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 11.34 decanted:(Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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	1100	JB
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	220	JB
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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B-148

Lab Name: FMETL Project: 98-0211

Lab Code: 13461 Case No.: 4793 Location: M-12 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4793.18

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BN03878.D

Level: (low/med) LOW Date Received: 9/20/99

% Moisture: 11.34 decanted: (Y/N) N Date Extracted: 9/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 6 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	18.84	1300	JN
2. 000057-10-3	Hexadecanoic acid	19.58	1100	JN
3. 001454-84-8	1-Nonadecanol	23.48	6600	JN
4. 006971-40-0	17-Pentatriacontene	24.74	800	JN
5. 000629-96-9	1-Eicosanol	27.17	1300	JN
6. 000629-96-9	1-Eicosanol	28.77	580	JN

PEST/PCB'S

METHOD BLANKS

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:**	4/25/98
Analysis:	SW-846 Method 8081/8082	**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	0.0002	ND	NLE
beta-BHC	1	100.00	0.0002	ND	NLE
gamma-BHC	1	100.00	0.0002	ND	0.52
delta-BHC	1	100.00	0.0002	ND	NLE
Heptachlor	1	100.00	0.0002	ND	0.15
Aldrin	1	100.00	0.0002	ND	0.04
Heptachlor Epoxide	1	100.00	0.0003	ND	NLE
Endosulfan I	1	100.00	0.0003	ND	NLE
4,4'-DDE	1	100.00	0.0002	ND	2
Dieldrin	1	100.00	0.0003	ND	0.042
Endrin	1	100.00	0.0003	ND	17
Endosulfan II	1	100.00	0.0002	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	0.0006	ND	2
Endosulfan-Sulfate	1	100.00	0.0002	ND	NLE
gamma -Chlordane	1	100.00	0.0003	ND	NLE
alpha-Chlordane	1	100.00	0.0003	ND	NLE
Toxaphene	1	100.00	0.0002	ND	0.1
Arochlor 1016	1	100.00	0.0056	ND	0.49
Arochlor 1221	1	100.00	0.0103	ND	0.49
Arochlor 1232	1	100.00	0.0070	ND	0.49
Arochlor 1242	1	100.00	0.0080	ND	0.49
Arochlor 1248	1	100.00	0.0032	ND	0.49
Arochlor 1254	1	100.00	0.0020	ND	0.49
Arochlor 1260	1	100.00	0.0018	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	BLK57
	DPW. SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	3/23/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/1/98
Analysis:	SW-846 Method 8081/8082	**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	0.0002	ND	NLE
beta-BHC	1	100.00	0.0002	ND	NLE
gamma-BHC	1	100.00	0.0002	ND	0.52
delta-BHC	1	100.00	0.0002	ND	NLE
Heptachlor	1	100.00	0.0002	ND	0.15
Aldrin	1	100.00	0.0002	ND	0.04
Heptachlor Epoxide	1	100.00	0.0003	ND	NLE
Endosulfan I	1	100.00	0.0003	ND	NLE
4,4'-DDE	1	100.00	0.0002	ND	2
Dieldrin	1	100.00	0.0003	ND	0.042
Endrin	1	100.00	0.0003	ND	17
Endosulfan II	1	100.00	0.0002	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	0.0006	ND	2
Endosulfan-Sulfate	1	100.00	0.0002	ND	NLE
gamma -Chlordane	1	100.00	0.0003	ND	NLE
alpha-Chlordane	1	100.00	0.0003	ND	NLE
Toxaphene	1	100.00	0.0002	ND	0.1
Arochlor 1016	1	100.00	0.0056	ND	0.49
Arochlor 1221	1	100.00	0.0103	ND	0.49
Arochlor 1232	1	100.00	0.0070	ND	0.49
Arochlor 1242	1	100.00	0.0080	ND	0.49
Arochlor 1248	1	100.00	0.0032	ND	0.49
Arochlor 1254	1	100.00	0.0020	ND	0.49
Arochlor 1260	1	100.00	0.0018	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	BLK58
	DPW. SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**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	0.0002	ND	NLE
beta-BHC	1	100.00	0.0002	ND	NLE
gamma-BHC	1	100.00	0.0002	ND	0.52
delta-BHC	1	100.00	0.0002	ND	NLE
Heptachlor	1	100.00	0.0002	ND	0.15
Aldrin	1	100.00	0.0002	ND	0.04
Heptachlor Epoxide	1	100.00	0.0003	ND	NLE
Endosulfan I	1	100.00	0.0003	ND	NLE
4,4'-DDE	1	100.00	0.0002	ND	2
Dieldrin	1	100.00	0.0003	ND	0.042
Endrin	1	100.00	0.0003	ND	17
Endosulfan II	1	100.00	0.0002	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	0.0006	ND	2
Endosulfan-Sulfate	1	100.00	0.0002	ND	NLE
gamma -Chlordane	1	100.00	0.0003	ND	NLE
alpha-Chlordane	1	100.00	0.0003	ND	NLE
Toxaphene	1	100.00	0.0002	ND	0.1
Arochlor 1016	1	100.00	0.0056	ND	0.49
Arochlor 1221	1	100.00	0.0103	ND	0.49
Arochlor 1232	1	100.00	0.0070	ND	0.49
Arochlor 1242	1	100.00	0.0080	ND	0.49
Arochlor 1248	1	100.00	0.0032	ND	0.49
Arochlor 1254	1	100.00	0.0020	ND	0.49
Arochlor 1260	1	100.00	0.0018	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25u

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	BLK59
	DPW. SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/15/98
Analysis:	SW-846 Method 8081/8082	**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	0.0003	ND	NLE
beta-BHC	1	100.00	0.0003	ND	NLE
gamma-BHC	1	100.00	0.0004	ND	0.52
delta-BHC	1	100.00	0.0004	ND	NLE
Heptachlor	1	100.00	0.0003	ND	0.15
Aldrin	1	100.00	0.0004	ND	0.04
Heptachlor Epoxide	1	100.00	0.0006	ND	NLE
Endosulfan I	1	100.00	0.0005	ND	NLE
4,4'-DDE	1	100.00	0.0004	ND	2
Dieldrin	1	100.00	0.0005	ND	0.042
Endrin	1	100.00	0.0005	ND	17
Endosulfan II	1	100.00	0.0004	ND	NLE
4,4'-DDD	1	100.00	0.0006	ND	3
Endrin Aldehyde	1	100.00	0.0005	ND	NLE
4,4'-DDT	1	100.00	0.0011	ND	2
Endosulfan-Sulfate	1	100.00	0.0004	ND	NLE
gamma -Chlordane	1	100.00	0.0005	ND	NLE
alpha-Chlordane	1	100.00	0.0005	ND	NLE
Toxaphene	1	100.00	0.0003	ND	0.1
Arochlor 1016	1	100.00	0.0112	ND	0.49
Arochlor 1221	1	100.00	0.0206	ND	0.49
Arochlor 1232	1	100.00	0.0140	ND	0.49
Arochlor 1242	1	100.00	0.0160	ND	0.49
Arochlor 1248	1	100.00	0.0064	ND	0.49
Arochlor 1254	1	100.00	0.0040	ND	0.49
Arochlor 1260	1	100.00	0.0036	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	BLK60
	DPW. SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	3/26/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/6/98
Analysis:	SW-846 Method 8081/8082	**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	0.0003	ND	NLE
beta-BHC	1	100.00	0.0003	ND	NLE
gamma-BHC	1	100.00	0.0004	ND	0.52
delta-BHC	1	100.00	0.0004	ND	NLE
Heptachlor	1	100.00	0.0003	ND	0.15
Aldrin	1	100.00	0.0004	ND	0.04
Heptachlor Epoxide	1	100.00	0.0006	ND	NLE
Endosulfan I	1	100.00	0.0005	ND	NLE
4,4'-DDE	1	100.00	0.0004	ND	2
Dieldrin	1	100.00	0.0005	ND	0.042
Endrin	1	100.00	0.0005	ND	17
Endosulfan II	1	100.00	0.0004	ND	NLE
4,4'-DDD	1	100.00	0.0006	ND	3
Endrin Aldehyde	1	100.00	0.0005	ND	NLE
4,4'-DDT	1	100.00	0.0011	ND	2
Endosulfan-Sulfate	1	100.00	0.0004	ND	NLE
gamma -Chlordane	1	100.00	0.0005	ND	NLE
alpha-Chlordane	1	100.00	0.0005	ND	NLE
Toxaphene	1	100.00	0.0003	ND	0.1
Arochlor 1016	1	100.00	0.0112	ND	0.49
Arochlor 1221	1	100.00	0.0206	ND	0.49
Arochlor 1232	1	100.00	0.0140	ND	0.49
Arochlor 1242	1	100.00	0.0160	ND	0.49
Arochlor 1248	1	100.00	0.0064	ND	0.49
Arochlor 1254	1	100.00	0.0040	ND	0.49
Arochlor 1260	1	100.00	0.0036	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	BLK61
	DPW. SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	3/27/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/6/98
Analysis:	SW-846 Method 8081/8082	**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	0.0003	ND	NLE
beta-BHC	1	100.00	0.0003	ND	NLE
gamma-BHC	1	100.00	0.0004	ND	0.52
delta-BHC	1	100.00	0.0004	ND	NLE
Heptachlor	1	100.00	0.0003	ND	0.15
Aldrin	1	100.00	0.0004	ND	0.04
Heptachlor Epoxide	1	100.00	0.0006	ND	NLE
Endosulfan I	1	100.00	0.0005	ND	NLE
4,4'-DDE	1	100.00	0.0004	ND	2
Dieldrin	1	100.00	0.0005	ND	0.042
Endrin	1	100.00	0.0005	ND	17
Endosulfan II	1	100.00	0.0004	ND	NLE
4,4'-DDD	1	100.00	0.0006	ND	3
Endrin Aldehyde	1	100.00	0.0005	ND	NLE
4,4'-DDT	1	100.00	0.0011	ND	2
Endosulfan-Sulfate	1	100.00	0.0004	ND	NLE
gamma -Chlordane	1	100.00	0.0005	ND	NLE
alpha-Chlordane	1	100.00	0.0005	ND	NLE
Toxaphene	1	100.00	0.0003	ND	0.1
Arochlor 1016	1	100.00	0.0112	ND	0.49
Arochlor 1221	1	100.00	0.0206	ND	0.49
Arochlor 1232	1	100.00	0.0140	ND	0.49
Arochlor 1242	1	100.00	0.0160	ND	0.49
Arochlor 1248	1	100.00	0.0064	ND	0.49
Arochlor 1254	1	100.00	0.0040	ND	0.49
Arochlor 1260	1	100.00	0.0036	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25u

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	BLK390
	DPW. SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	8/27/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	100.00	0.0003	ND	NLE
beta-BHC	1	100.00	0.0003	ND	NLE
gamma-BHC	1	100.00	0.0004	ND	0.52
delta-BHC	1	100.00	0.0004	ND	NLE
Heptachlor	1	100.00	0.0003	ND	0.15
Aldrin	1	100.00	0.0004	ND	0.04
Heptachlor Epoxide	1	100.00	0.0006	ND	NLE
Endosulfan I	1	100.00	0.0005	ND	NLE
4,4'-DDE	1	100.00	0.0004	ND	2
Dieldrin	1	100.00	0.0005	ND	0.042
Endrin	1	100.00	0.0005	ND	17
Endosulfan II	1	100.00	0.0004	ND	NLE
4,4'-DDD	1	100.00	0.0006	ND	3
Endrin Aldehyde	1	100.00	0.0005	ND	NLE
4,4'-DDT	1	100.00	0.0011	ND	2
Endosulfan-Sulfate	1	100.00	0.0004	ND	NLE
gamma -Chlordane	1	100.00	0.0005	ND	NLE
alpha-Chlordane	1	100.00	0.0005	ND	NLE
Toxaphene	1	100.00	0.0003	ND	0.1
Arochlor 1016	1	100.00	0.0112	ND	0.49
Arochlor 1221	1	100.00	0.0206	ND	0.49
Arochlor 1232	1	100.00	0.0140	ND	0.49
Arochlor 1242	1	100.00	0.0160	ND	0.49
Arochlor 1248	1	100.00	0.0064	ND	0.49
Arochlor 1254	1	100.00	0.0040	ND	0.49
Arochlor 1260	1	100.00	0.0036	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	BLK391
	DPW. SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	8/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/24/99
Analysis:	SW-846 Method 8081/8082	**Location :**	
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	100.00	0.0003	ND	NLE
beta-BHC	1	100.00	0.0003	ND	NLE
gamma-BHC	1	100.00	0.0004	ND	0.52
delta-BHC	1	100.00	0.0004	ND	NLE
Heptachlor	1	100.00	0.0003	ND	0.15
Aldrin	1	100.00	0.0004	ND	0.04
Heptachlor Epoxide	1	100.00	0.0006	ND	NLE
Endosulfan I	1	100.00	0.0005	ND	NLE
4,4'-DDE	1	100.00	0.0004	ND	2
Dieldrin	1	100.00	0.0005	ND	0.042
Endrin	1	100.00	0.0005	ND	17
Endosulfan II	1	100.00	0.0004	ND	NLE
4,4'-DDD	1	100.00	0.0006	ND	3
Endrin Aldehyde	1	100.00	0.0005	ND	NLE
4,4'-DDT	1	100.00	0.0011	ND	2
Endosulfan-Sulfate	1	100.00	0.0004	ND	NLE
gamma -Chlordane	1	100.00	0.0005	ND	NLE
alpha-Chlordane	1	100.00	0.0005	ND	NLE
Toxaphene	1	100.00	0.0003	ND	0.1
Arochlor 1016	1	100.00	0.0112	ND	0.49
Arochlor 1221	1	100.00	0.0206	ND	0.49
Arochlor 1232	1	100.00	0.0140	ND	0.49
Arochlor 1242	1	100.00	0.0160	ND	0.49
Arochlor 1248	1	100.00	0.0064	ND	0.49
Arochlor 1254	1	100.00	0.0040	ND	0.49
Arochlor 1260	1	100.00	0.0036	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	BLK393
	DPW. SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/27/99
Analysis:	SW-846 Method 8081/8082	**Location :**	
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	100.00	0.0003	ND	NLE
beta-BHC	1	100.00	0.0003	ND	NLE
gamma-BHC	1	100.00	0.0004	ND	0.52
delta-BHC	1	100.00	0.0004	ND	NLE
Heptachlor	1	100.00	0.0003	ND	0.15
Aldrin	1	100.00	0.0004	ND	0.04
Heptachlor Epoxide	1	100.00	0.0006	ND	NLE
Endosulfan I	1	100.00	0.0005	ND	NLE
4,4'-DDE	1	100.00	0.0004	ND	2
Dieldrin	1	100.00	0.0005	ND	0.042
Endrin	1	100.00	0.0005	ND	17
Endosulfan II	1	100.00	0.0004	ND	NLE
4,4'-DDD	1	100.00	0.0006	ND	3
Endrin Aldehyde	1	100.00	0.0005	ND	NLE
4,4'-DDT	1	100.00	0.0011	ND	2
Endosulfan-Sulfate	1	100.00	0.0004	ND	NLE
gamma -Chlordane	1	100.00	0.0005	ND	NLE
alpha-Chlordane	1	100.00	0.0005	ND	NLE
Toxaphene	1	100.00	0.0003	ND	0.1
Arochlor 1016	1	100.00	0.0112	ND	0.49
Arochlor 1221	1	100.00	0.0206	ND	0.49
Arochlor 1232	1	100.00	0.0140	ND	0.49
Arochlor 1242	1	100.00	0.0160	ND	0.49
Arochlor 1248	1	100.00	0.0064	ND	0.49
Arochlor 1254	1	100.00	0.0040	ND	0.49
Arochlor 1260	1	100.00	0.0036	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

001262

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	BLK395
	DPW. SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	9/3/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/6/99
Analysis:	SW-846 Method 8081/8082	**Location :**	
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	100.00	0.0003	ND	NLE
beta-BHC	1	100.00	0.0003	ND	NLE
gamma-BHC	1	100.00	0.0004	ND	0.52
delta-BHC	1	100.00	0.0004	ND	NLE
Heptachlor	1	100.00	0.0003	ND	0.15
Aldrin	1	100.00	0.0004	ND	0.04
Heptachlor Epoxide	1	100.00	0.0006	ND	NLE
Endosulfan I	1	100.00	0.0005	ND	NLE
4,4'-DDE	1	100.00	0.0004	ND	2
Dieldrin	1	100.00	0.0005	ND	0.042
Endrin	1	100.00	0.0005	ND	17
Endosulfan II	1	100.00	0.0004	ND	NLE
4,4'-DDD	1	100.00	0.0006	ND	3
Endrin Aldehyde	1	100.00	0.0005	ND	NLE
4,4'-DDT	1	100.00	0.0011	ND	2
Endosulfan-Sulfate	1	100.00	0.0004	ND	NLE
gamma -Chlordane	1	100.00	0.0005	ND	NLE
alpha-Chlordane	1	100.00	0.0005	ND	NLE
Toxaphene	1	100.00	0.0003	ND	0.1
Arochlor 1016	1	100.00	0.0112	ND	0.49
Arochlor 1221	1	100.00	0.0206	ND	0.49
Arochlor 1232	1	100.00	0.0140	ND	0.49
Arochlor 1242	1	100.00	0.0160	ND	0.49
Arochlor 1248	1	100.00	0.0064	ND	0.49
Arochlor 1254	1	100.00	0.0040	ND	0.49
Arochlor 1260	1	100.00	0.0036	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	BLK398
	DPW. SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	9/10/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/10/99
Analysis:	SW-846 Method 8081/8082	**Location :**	
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	100.00	0.0003	ND	NLE
beta-BHC	1	100.00	0.0003	ND	NLE
gamma-BHC	1	100.00	0.0004	ND	0.52
delta-BHC	1	100.00	0.0004	ND	NLE
Heptachlor	1	100.00	0.0003	ND	0.15
Aldrin	1	100.00	0.0004	ND	0.04
Heptachlor Epoxide	1	100.00	0.0006	ND	NLE
Endosulfan I	1	100.00	0.0005	ND	NLE
4,4'-DDE	1	100.00	0.0004	ND	2
Dieldrin	1	100.00	0.0005	ND	0.042
Endrin	1	100.00	0.0005	ND	17
Endosulfan II	1	100.00	0.0004	ND	NLE
4,4'-DDD	1	100.00	0.0006	ND	3
Endrin Aldehyde	1	100.00	0.0005	ND	NLE
4,4'-DDT	1	100.00	0.0011	ND	2
Endosulfan-Sulfate	1	100.00	0.0004	ND	NLE
gamma -Chlordane	1	100.00	0.0005	ND	NLE
alpha-Chlordane	1	100.00	0.0005	ND	NLE
Toxaphene	1	100.00	0.0003	ND	0.1
Arochlor 1016	1	100.00	0.0112	ND	0.49
Arochlor 1221	1	100.00	0.0206	ND	0.49
Arochlor 1232	1	100.00	0.0140	ND	0.49
Arochlor 1242	1	100.00	0.0160	ND	0.49
Arochlor 1248	1	100.00	0.0064	ND	0.49
Arochlor 1254	1	100.00	0.0040	ND	0.49
Arochlor 1260	1	100.00	0.0036	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	BLK400
	DPW. SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	9/13/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/19/99
Analysis:	SW-846 Method 8081/8082	**Location :**	
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	100.00	0.0003	ND	NLE
beta-BHC	1	100.00	0.0003	ND	NLE
gamma-BHC	1	100.00	0.0004	ND	0.52
delta-BHC	1	100.00	0.0004	ND	NLE
Heptachlor	1	100.00	0.0003	ND	0.15
Aldrin	1	100.00	0.0004	ND	0.04
Heptachlor Epoxide	1	100.00	0.0006	ND	NLE
Endosulfan I	1	100.00	0.0005	ND	NLE
4,4'-DDE	1	100.00	0.0004	ND	2
Dieldrin	1	100.00	0.0005	ND	0.042
Endrin	1	100.00	0.0005	ND	17
Endosulfan II	1	100.00	0.0004	ND	NLE
4,4'-DDD	1	100.00	0.0006	ND	3
Endrin Aldehyde	1	100.00	0.0005	ND	NLE
4,4'-DDT	1	100.00	0.0011	ND	2
Endosulfan-Sulfate	1	100.00	0.0004	ND	NLE
gamma -Chlordane	1	100.00	0.0005	ND	NLE
alpha-Chlordane	1	100.00	0.0005	ND	NLE
Toxaphene	1	100.00	0.0003	ND	0.1
Arochlor 1016	1	100.00	0.0112	ND	0.49
Arochlor 1221	1	100.00	0.0206	ND	0.49
Arochlor 1232	1	100.00	0.0140	ND	0.49
Arochlor 1242	1	100.00	0.0160	ND	0.49
Arochlor 1248	1	100.00	0.0064	ND	0.49
Arochlor 1254	1	100.00	0.0040	ND	0.49
Arochlor 1260	1	100.00	0.0036	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	BLK408
	DPW. SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/21/99
Analysis:	SW-846 Method 8081/8082	**Location :**	
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	100.00	0.0003	ND	NLE
beta-BHC	1	100.00	0.0003	ND	NLE
gamma-BHC	1	100.00	0.0004	ND	0.52
delta-BHC	1	100.00	0.0004	ND	NLE
Heptachlor	1	100.00	0.0003	ND	0.15
Aldrin	1	100.00	0.0004	ND	0.04
Heptachlor Epoxide	1	100.00	0.0006	ND	NLE
Endosulfan I	1	100.00	0.0005	ND	NLE
4,4'-DDE	1	100.00	0.0004	ND	2
Dieldrin	1	100.00	0.0005	ND	0.042
Endrin	1	100.00	0.0005	ND	17
Endosulfan II	1	100.00	0.0004	ND	NLE
4,4'-DDD	1	100.00	0.0006	ND	3
Endrin Aldehyde	1	100.00	0.0005	ND	NLE
4,4'-DDT	1	100.00	0.0011	ND	2
Endosulfan-Sulfate	1	100.00	0.0004	ND	NLE
gamma -Chlordane	1	100.00	0.0005	ND	NLE
alpha-Chlordane	1	100.00	0.0005	ND	NLE
Toxaphene	1	100.00	0.0003	ND	0.1
Arochlor 1016	1	100.00	0.0112	ND	0.49
Arochlor 1221	1	100.00	0.0206	ND	0.49
Arochlor 1232	1	100.00	0.0140	ND	0.49
Arochlor 1242	1	100.00	0.0160	ND	0.49
Arochlor 1248	1	100.00	0.0064	ND	0.49
Arochlor 1254	1	100.00	0.0040	ND	0.49
Arochlor 1260	1	100.00	0.0036	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

FIELD DUPLICATES

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3425.24
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/23/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	Field Dup

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	89.13	0.0006	ND	NLE
beta-BHC	2	89.13	0.0006	ND	NLE
gamma-BHC	2	89.13	0.0008	ND	0.52
delta-BHC	2	89.13	0.0008	ND	NLE
Heptachlor	2	89.13	0.0006	ND	0.15
Aldrin	2	89.13	0.0008	ND	0.04
Heptachlor Epoxide	2	89.13	0.0012	ND	NLE
Endosulfan I	2	89.13	0.0010	ND	NLE
4,4'-DDE	2	89.13	0.0008	0.032	2
Dieldrin	2	89.13	0.0010	ND	0.042
Endrin	2	89.13	0.0010	ND	17
Endosulfan II	2	89.13	0.0008	ND	NLE
4,4'-DDD	2	89.13	0.0012	0.050	3
Endrin Aldehyde	2	89.13	0.0010	ND	NLE
4,4'-DDT	2	89.13	0.0022	0.008	2
Endosulfan-Sulfate	2	89.13	0.0008	ND	NLE
gamma -Chlordane	2	89.13	0.0010	ND	NLE
alpha-Chlordane	2	89.13	0.0010	ND	NLE
Toxaphene	2	89.13	0.0006	ND	0.1
Arochlor 1016	2	89.13	0.0226	ND	0.49
Arochlor 1221	2	89.13	0.0416	ND	0.49
Arochlor 1232	2	89.13	0.0283	ND	0.49
Arochlor 1242	2	89.13	0.0323	ND	0.49
Arochlor 1248	2	89.13	0.0129	ND	0.49
Arochlor 1254	2	89.13	0.0081	ND	0.49
Arochlor 1260	2	89.13	0.0073	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25u

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3428.24
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/24/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/4/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	Field Dup

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	83.27	0.0007	ND	NLE
beta-BHC	2	83.27	0.0007	ND	NLE
gamma-BHC	2	83.27	0.0009	ND	0.52
delta-BHC	2	83.27	0.0009	ND	NLE
Heptachlor	2	83.27	0.0007	ND	0.15
Aldrin	2	83.27	0.0009	ND	0.04
Heptachlor Epoxide	2	83.27	0.0014	ND	NLE
Endosulfan I	2	83.27	0.0011	ND	NLE
4,4'-DDE	100	83.27	0.0455	0.944	2
Dieldrin	2	83.27	0.0011	ND	0.042
Endrin	2	83.27	0.0011	ND	17
Endosulfan II	2	83.27	0.0009	ND	NLE
4,4'-DDD	100	83.27	0.0683	0.289	3
Endrin Aldehyde	2	83.27	0.0011	ND	NLE
4,4'-DDT	100	83.27	0.1252	0.208	2
Endosulfan-Sulfate	2	83.27	0.0009	ND	NLE
gamma -Chlordane	2	83.27	0.0011	ND	NLE
alpha-Chlordane	2	83.27	0.0011	ND	NLE
Toxaphene	2	83.27	0.0007	ND	0.1
Arochlor 1016	2	83.27	0.0255	ND	0.49
Arochlor 1221	2	83.27	0.0469	ND	0.49
Arochlor 1232	2	83.27	0.0319	ND	0.49
Arochlor 1242	2	83.27	0.0364	ND	0.49
Arochlor 1248	2	83.27	0.0146	ND	0.49
Arochlor 1254	2	83.27	0.0091	ND	0.49
Arochlor 1260	2	83.27	0.0082	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4754.24
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/27/99
	Bldg. 173	**Extraction Date:**	8/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/25/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	Field Dup

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	86.41	0.0003	ND	NLE
beta-BHC	1	86.41	0.0003	ND	NLE
gamma-BHC	1	86.41	0.0004	ND	0.52
delta-BHC	1	86.41	0.0004	ND	NLE
Heptachlor	1	86.41	0.0003	ND	0.15
Aldrin	1	86.41	0.0004	ND	0.04
Heptachlor Epoxide	1	86.41	0.0007	ND	NLE
Endosulfan I	1	86.41	0.0006	ND	NLE
4,4'-DDE	1	86.41	0.0004	ND	2
Dieldrin	1	86.41	0.0006	ND	0.042
Endrin	1	86.41	0.0006	ND	17
Endosulfan II	1	86.41	0.0004	ND	NLE
4,4'-DDD	1	86.41	0.0007	ND	3
Endrin Aldehyde	1	86.41	0.0006	ND	NLE
4,4'-DDT	1	86.41	0.0012	ND	2
Endosulfan-Sulfate	1	86.41	0.0004	ND	NLE
gamma -Chlordane	1	86.41	0.0006	ND	NLE
alpha-Chlordane	1	86.41	0.0006	ND	NLE
Toxaphene	1	86.41	0.0003	ND	0.1
Arochlor 1016	1	86.41	0.0125	ND	0.49
Arochlor 1221	1	86.41	0.0230	ND	0.49
Arochlor 1232	1	86.41	0.0157	ND	0.49
Arochlor 1242	1	86.41	0.0179	ND	0.49
Arochlor 1248	1	86.41	0.0072	ND	0.49
Arochlor 1254	1	86.41	0.0045	ND	0.49
Arochlor 1260	1	86.41	0.0040	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

001270

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4762.30
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/31/99
	Bldg. 173	**Extraction Date:**	9/3/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/7/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	Field Dup

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.94	0.0003	ND	NLE
beta-BHC	1	85.94	0.0003	ND	NLE
gamma-BHC	1	85.94	0.0004	ND	0.52
delta-BHC	1	85.94	0.0004	ND	NLE
Heptachlor	1	85.94	0.0003	ND	0.15
Aldrin	1	85.94	0.0004	ND	0.04
Heptachlor Epoxide	1	85.94	0.0007	ND	NLE
Endosulfan I	1	85.94	0.0006	ND	NLE
4,4'-DDE	1	85.94	0.0004	0.003	2
Dieldrin	1	85.94	0.0006	ND	0.042
Endrin	1	85.94	0.0006	ND	17
Endosulfan II	1	85.94	0.0004	ND	NLE
4,4'-DDD	1	85.94	0.0007	0.002	3
Endrin Aldehyde	1	85.94	0.0006	ND	NLE
4,4'-DDT	1	85.94	0.0012	0.003	2
Endosulfan-Sulfate	1	85.94	0.0004	ND	NLE
gamma -Chlordane	1	85.94	0.0006	ND	NLE
alpha-Chlordane	1	85.94	0.0006	ND	NLE
Toxaphene	1	85.94	0.0003	ND	0.1
Arochlor 1016	1	85.94	0.0124	ND	0.49
Arochlor 1221	1	85.94	0.0227	ND	0.49
Arochlor 1232	1	85.94	0.0154	ND	0.49
Arochlor 1242	1	85.94	0.0176	ND	0.49
Arochlor 1248	1	85.94	0.0071	ND	0.49
Arochlor 1254	1	85.94	0.0044	ND	0.49
Arochlor 1260	1	85.94	0.0040	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4774.24
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/7/99
	Bldg. 173	**Extraction Date:**	9/10/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/18/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	Field Dup

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.41	0.0003	ND	NLE
beta-BHC	1	89.41	0.0003	ND	NLE
gamma-BHC	1	89.41	0.0004	ND	0.52
delta-BHC	1	89.41	0.0004	ND	NLE
Heptachlor	1	89.41	0.0003	ND	0.15
Aldrin	1	89.41	0.0004	ND	0.04
Heptachlor Epoxide	1	89.41	0.0007	ND	NLE
Endosulfan I	1	89.41	0.0005	ND	NLE
4,4'-DDE	1	89.41	0.0004	0.014	2
Dieldrin	1	89.41	0.0005	ND	0.042
Endrin	1	89.41	0.0005	ND	17
Endosulfan II	1	89.41	0.0004	ND	NLE
4,4'-DDD	1	89.41	0.0007	0.042	3
Endrin Aldehyde	1	89.41	0.0005	ND	NLE
4,4'-DDT	1	89.41	0.0012	0.009	2
Endosulfan-Sulfate	1	89.41	0.0004	ND	NLE
gamma -Chlordane	1	89.41	0.0005	ND	NLE
alpha-Chlordane	1	89.41	0.0005	ND	NLE
Toxaphene	1	89.41	0.0003	ND	0.1
Arochlor 1016	1	89.41	0.0122	ND	0.49
Arochlor 1221	1	89.41	0.0224	ND	0.49
Arochlor 1232	1	89.41	0.0152	ND	0.49
Arochlor 1242	1	89.41	0.0174	ND	0.49
Arochlor 1248	1	89.41	0.0069	ND	0.49
Arochlor 1254	1	89.41	0.0043	ND	0.49
Arochlor 1260	1	89.41	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

001272

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4790.28
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/15/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/21/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	Field Dup

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	87.81	0.0003	ND	NLE
beta-BHC	1	87.81	0.0003	ND	NLE
gamma-BHC	1	87.81	0.0004	ND	0.52
delta-BHC	1	87.81	0.0004	ND	NLE
Heptachlor	1	87.81	0.0003	ND	0.15
Aldrin	1	87.81	0.0004	ND	0.04
Heptachlor Epoxide	1	87.81	0.0006	ND	NLE
Endosulfan I	1	87.81	0.0005	ND	NLE
4,4'-DDE	1	87.81	0.0004	0.014	2
Dieldrin	1	87.81	0.0005	ND	0.042
Endrin	1	87.81	0.0005	ND	17
Endosulfan II	1	87.81	0.0004	ND	NLE
4,4'-DDD	1	87.81	0.0006	0.012	3
Endrin Aldehyde	1	87.81	0.0005	ND	NLE
4,4'-DDT	1	87.81	0.0012	0.012	2
Endosulfan-Sulfate	1	87.81	0.0004	ND	NLE
gamma -Chlordane	1	87.81	0.0005	ND	NLE
alpha-Chlordane	1	87.81	0.0005	ND	NLE
Toxaphene	1	87.81	0.0003	ND	0.1
Arochlor 1016	1	87.81	0.0117	ND	0.49
Arochlor 1221	1	87.81	0.0216	ND	0.49
Arochlor 1232	1	87.81	0.0147	ND	0.49
Arochlor 1242	1	87.81	0.0167	ND	0.49
Arochlor 1248	1	87.81	0.0067	ND	0.49
Arochlor 1254	1	87.81	0.0042	ND	0.49
Arochlor 1260	1	87.81	0.0038	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

SAMPLES

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3420.01
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/19/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/25/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-1

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	4	88.98	0.0006	ND	NLE
beta-BHC	4	88.98	0.0006	ND	NLE
gamma-BHC	4	88.98	0.0009	ND	0.52
delta-BHC	4	88.98	0.0009	ND	NLE
Heptachlor	4	88.98	0.0006	ND	0.15
Aldrin	4	88.98	0.0009	ND	0.04
Heptachlor Epoxide	4	88.98	0.0013	ND	NLE
Endosulfan I	4	88.98	0.0011	ND	NLE
4,4'-DDE	4	88.98	0.0009	0.009	2
Dieldrin	4	88.98	0.0011	ND	0.042
Endrin	4	88.98	0.0011	ND	17
Endosulfan II	4	88.98	0.0009	ND	NLE
4,4'-DDD	4	88.98	0.0013	0.004	3
Endrin Aldehyde	4	88.98	0.0011	ND	NLE
4,4'-DDT	4	88.98	0.0024	0.035	2
Endosulfan-Sulfate	4	88.98	0.0009	ND	NLE
gamma -Chlordane	4	88.98	0.0011	ND	NLE
alpha-Chlordane	4	88.98	0.0011	ND	NLE
Toxaphene	4	88.98	0.0006	ND	0.1
Arochlor 1016	4	88.98	0.0243	ND	0.49
Arochlor 1221	4	88.98	0.0446	ND	0.49
Arochlor 1232	4	88.98	0.0303	ND	0.49
Arochlor 1242	4	88.98	0.0346	ND	0.49
Arochlor 1248	4	88.98	0.0139	ND	0.49
Arochlor 1254	4	88.98	0.0087	ND	0.49
Arochlor 1260	4	88.98	0.0078	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3420.03
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/19/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/25/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-2

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	4	76.33	0.0007	ND	NLE
beta-BHC	4	76.33	0.0007	ND	NLE
gamma-BHC	4	76.33	0.0010	ND	0.52
delta-BHC	4	76.33	0.0010	ND	NLE
Heptachlor	4	76.33	0.0007	ND	0.15
Aldrin	4	76.33	0.0010	ND	0.04
Heptachlor Epoxide	4	76.33	0.0015	ND	NLE
Endosulfan I	4	76.33	0.0012	ND	NLE
4,4'-DDE	4	76.33	0.0010	0.069	2
Dieldrin	4	76.33	0.0012	ND	0.042
Endrin	4	76.33	0.0012	ND	17
Endosulfan II	4	76.33	0.0010	ND	NLE
4,4'-DDD	4	76.33	0.0015	0.090	3
Endrin Aldehyde	4	76.33	0.0012	ND	NLE
4,4'-DDT	10	76.33	0.0068	0.223	2
Endosulfan-Sulfate	4	76.33	0.0010	ND	NLE
gamma -Chlordane	4	76.33	0.0012	ND	NLE
alpha-Chlordane	4	76.33	0.0012	ND	NLE
Toxaphene	4	76.33	0.0007	ND	0.1
Arochlor 1016	4	76.33	0.0277	ND	0.49
Arochlor 1221	4	76.33	0.0509	ND	0.49
Arochlor 1232	4	76.33	0.0346	ND	0.49
Arochlor 1242	4	76.33	0.0396	ND	0.49
Arochlor 1248	4	76.33	0.0158	ND	0.49
Arochlor 1254	4	76.33	0.0099	ND	0.49
Arochlor 1260	4	76.33	0.0089	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3420.05
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/19/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/25/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-3

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	4	78.50	0.0008	ND	NLE
beta-BHC	4	78.50	0.0008	ND	NLE
gamma-BHC	4	78.50	0.0010	ND	0.52
delta-BHC	4	78.50	0.0010	ND	NLE
Heptachlor	4	78.50	0.0008	ND	0.15
Aldrin	4	78.50	0.0010	ND	0.04
Heptachlor Epoxide	4	78.50	0.0015	ND	NLE
Endosulfan I	4	78.50	0.0013	ND	NLE
4,4'-DDE	4	78.50	0.0010	0.074	2
Dieldrin	4	78.50	0.0013	ND	0.042
Endrin	4	78.50	0.0013	ND	17
Endosulfan II	4	78.50	0.0010	ND	NLE
4,4'-DDD	4	78.50	0.0015	0.115	3
Endrin Aldehyde	4	78.50	0.0013	ND	NLE
4,4'-DDT	10	78.50	0.0069	0.202	2
Endosulfan-Sulfate	4	78.50	0.0010	ND	NLE
gamma -Chlordane	4	78.50	0.0013	ND	NLE
alpha-Chlordane	4	78.50	0.0013	ND	NLE
Toxaphene	4	78.50	0.0008	ND	0.1
Arochlor 1016	4	78.50	0.0283	ND	0.49
Arochlor 1221	4	78.50	0.0520	ND	0.49
Arochlor 1232	4	78.50	0.0353	ND	0.49
Arochlor 1242	4	78.50	0.0404	ND	0.49
Arochlor 1248	4	78.50	0.0162	ND	0.49
Arochlor 1254	4	78.50	0.0101	ND	0.49
Arochlor 1260	4	78.50	0.0091	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

001277

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3420.07
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/19/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/25/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-4

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	4	80.10	0.0007	ND	NLE
beta-BHC	4	80.10	0.0007	ND	NLE
gamma-BHC	4	80.10	0.0010	ND	0.52
delta-BHC	4	80.10	0.0010	ND	NLE
Heptachlor	4	80.10	0.0007	ND	0.15
Aldrin	4	80.10	0.0010	ND	0.04
Heptachlor Epoxide	4	80.10	0.0015	ND	NLE
Endosulfan I	4	80.10	0.0012	ND	NLE
4,4'-DDE	4	80.10	0.0010	0.014	2
Dieldrin	4	80.10	0.0012	ND	0.042
Endrin	4	80.10	0.0012	ND	17
Endosulfan II	4	80.10	0.0010	ND	NLE
4,4'-DDD	4	80.10	0.0015	0.008	3
Endrin Aldehyde	4	80.10	0.0012	ND	NLE
4,4'-DDT	4	80.10	0.0027	0.081	2
Endosulfan-Sulfate	4	80.10	0.0010	ND	NLE
gamma -Chlordane	4	80.10	0.0012	ND	NLE
alpha-Chlordane	4	80.10	0.0012	ND	NLE
Toxaphene	4	80.10	0.0007	ND	0.1
Arochlor 1016	4	80.10	0.0274	ND	0.49
Arochlor 1221	4	80.10	0.0504	ND	0.49
Arochlor 1232	4	80.10	0.0342	ND	0.49
Arochlor 1242	4	80.10	0.0391	ND	0.49
Arochlor 1248	4	80.10	0.0157	ND	0.49
Arochlor 1254	4	80.10	0.0098	ND	0.49
Arochlor 1260	4	80.10	0.0088	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3420.09
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/19/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/25/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-5

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	4	81.37	0.0007	ND	NLE
beta-BHC	4	81.37	0.0007	ND	NLE
gamma-BHC	4	81.37	0.0010	ND	0.52
delta-BHC	4	81.37	0.0010	ND	NLE
Heptachlor	4	81.37	0.0007	ND	0.15
Aldrin	4	81.37	0.0010	ND	0.04
Heptachlor Epoxide	4	81.37	0.0015	ND	NLE
Endosulfan I	4	81.37	0.0012	ND	NLE
4,4'-DDE	4	81.37	0.0010	0.028	2
Dieldrin	4	81.37	0.0012	ND	0.042
Endrin	4	81.37	0.0012	ND	17
Endosulfan II	4	81.37	0.0010	ND	NLE
4,4'-DDD	4	81.37	0.0015	0.055	3
Endrin Aldehyde	4	81.37	0.0012	ND	NLE
4,4'-DDT	4	81.37	0.0027	0.084	2
Endosulfan-Sulfate	4	81.37	0.0010	ND	NLE
gamma -Chlordane	4	81.37	0.0012	ND	NLE
alpha-Chlordane	4	81.37	0.0012	ND	NLE
Toxaphene	4	81.37	0.0007	ND	0.1
Arochlor 1016	4	81.37	0.0274	ND	0.49
Arochlor 1221	4	81.37	0.0503	ND	0.49
Arochlor 1232	4	81.37	0.0342	ND	0.49
Arochlor 1242	4	81.37	0.0391	ND	0.49
Arochlor 1248	4	81.37	0.0156	ND	0.49
Arochlor 1254	4	81.37	0.0098	ND	0.49
Arochlor 1260	4	81.37	0.0088	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3420.11
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/19/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/25/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-6

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	4	78.76	0.0008	ND	NLE
beta-BHC	4	78.76	0.0008	ND	NLE
gamma-BHC	4	78.76	0.0010	ND	0.52
delta-BHC	4	78.76	0.0010	ND	NLE
Heptachlor	4	78.76	0.0008	ND	0.15
Aldrin	4	78.76	0.0010	ND	0.04
Heptachlor Epoxide	4	78.76	0.0015	ND	NLE
Endosulfan I	4	78.76	0.0013	ND	NLE
4,4'-DDE	4	78.76	0.0010	0.070	2
Dieldrin	4	78.76	0.0013	ND	0.042
Endrin	4	78.76	0.0013	ND	17
Endosulfan II	4	78.76	0.0010	ND	NLE
4,4'-DDD	4	78.76	0.0015	0.088	3
Endrin Aldehyde	4	78.76	0.0013	ND	NLE
4,4'-DDT	20	78.76	0.0138	0.306	2
Endosulfan-Sulfate	4	78.76	0.0010	ND	NLE
gamma -Chlordane	4	78.76	0.0013	ND	NLE
alpha-Chlordane	4	78.76	0.0013	ND	NLE
Toxaphene	4	78.76	0.0008	ND	0.1
Arochlor 1016	4	78.76	0.0281	ND	0.49
Arochlor 1221	4	78.76	0.0517	ND	0.49
Arochlor 1232	4	78.76	0.0351	ND	0.49
Arochlor 1242	4	78.76	0.0401	ND	0.49
Arochlor 1248	4	78.76	0.0161	ND	0.49
Arochlor 1254	4	78.76	0.0100	ND	0.49
Arochlor 1260	4	78.76	0.0090	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3420.13
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/19/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/25/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-7

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	4	79.29	0.0007	ND	NLE
beta-BHC	4	79.29	0.0007	ND	NLE
gamma-BHC	4	79.29	0.0010	ND	0.52
delta-BHC	4	79.29	0.0010	ND	NLE
Heptachlor	4	79.29	0.0007	ND	0.15
Aldrin	4	79.29	0.0010	ND	0.04
Heptachlor Epoxide	4	79.29	0.0014	ND	NLE
Endosulfan I	4	79.29	0.0012	ND	NLE
4,4'-DDE	4	79.29	0.0010	0.075	2
Dieldrin	4	79.29	0.0012	ND	0.042
Endrin	4	79.29	0.0012	ND	17
Endosulfan II	4	79.29	0.0010	ND	NLE
4,4'-DDD	10	79.29	0.0036	0.311	3
Endrin Aldehyde	4	79.29	0.0012	ND	NLE
4,4'-DDT	10	79.29	0.0066	0.113	2
Endosulfan-Sulfate	4	79.29	0.0010	ND	NLE
gamma -Chlordane	4	79.29	0.0012	ND	NLE
alpha-Chlordane	4	79.29	0.0012	ND	NLE
Toxaphene	4	79.29	0.0007	ND	0.1
Arochlor 1016	4	79.29	0.0268	ND	0.49
Arochlor 1221	4	79.29	0.0492	ND	0.49
Arochlor 1232	4	79.29	0.0335	ND	0.49
Arochlor 1242	4	79.29	0.0382	ND	0.49
Arochlor 1248	4	79.29	0.0153	ND	0.49
Arochlor 1254	4	79.29	0.0096	ND	0.49
Arochlor 1260	4	79.29	0.0086	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3420.15
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/19/98
	Bldg. 173	**Extraction Date:**	3/20/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/25/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-8

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	4	76.39	0.0008	ND	NLE
beta-BHC	4	76.39	0.0008	ND	NLE
gamma-BHC	4	76.39	0.0010	ND	0.52
delta-BHC	4	76.39	0.0010	ND	NLE
Heptachlor	4	76.39	0.0008	ND	0.15
Aldrin	4	76.39	0.0010	ND	0.04
Heptachlor Epoxide	4	76.39	0.0016	ND	NLE
Endosulfan I	4	76.39	0.0013	ND	NLE
4,4'-DDE	50	76.39	0.0131	0.541	2
Dieldrin	4	76.39	0.0013	ND	0.042
Endrin	4	76.39	0.0013	ND	17
Endosulfan II	4	76.39	0.0010	ND	NLE
4,4'-DDD	50	76.39	0.0196	0.736	3
Endrin Aldehyde	4	76.39	0.0013	ND	NLE
4,4'-DDT	50	76.39	0.0359	0.500	2
Endosulfan-Sulfate	4	76.39	0.0010	ND	NLE
gamma -Chlordane	4	76.39	0.0013	ND	NLE
alpha-Chlordane	4	76.39	0.0013	ND	NLE
Toxaphene	4	76.39	0.0008	ND	0.1
Arochlor 1016	4	76.39	0.0293	ND	0.49
Arochlor 1221	4	76.39	0.0539	ND	0.49
Arochlor 1232	4	76.39	0.0366	ND	0.49
Arochlor 1242	4	76.39	0.0418	ND	0.49
Arochlor 1248	4	76.39	0.0167	ND	0.49
Arochlor 1254	4	76.39	0.0105	ND	0.49
Arochlor 1260	4	76.39	0.0094	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcidc 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

001282

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3420.17
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/19/98
	Bldg. 173	**Extraction Date:**	3/23/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/25/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-9

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	4	74.50	0.0008	ND	NLE
beta-BHC	4	74.50	0.0008	ND	NLE
gamma-BHC	4	74.50	0.0010	ND	0.52
delta-BHC	4	74.50	0.0010	ND	NLE
Heptachlor	4	74.50	0.0008	ND	0.15
Aldrin	4	74.50	0.0010	ND	0.04
Heptachlor Epoxide	4	74.50	0.0016	ND	NLE
Endosulfan I	4	74.50	0.0013	ND	NLE
4,4'-DDE	25	74.50	0.0065	0.307	2
Dieldrin	4	74.50	0.0013	ND	0.042
Endrin	4	74.50	0.0013	ND	17
Endosulfan II	4	74.50	0.0010	ND	NLE
4,4'-DDD	25	74.50	0.0097	0.364	3
Endrin Aldehyde	4	74.50	0.0013	ND	NLE
4,4'-DDT	25	74.50	0.0178	0.271	2
Endosulfan-Sulfate	4	74.50	0.0010	ND	NLE
gamma -Chlordane	4	74.50	0.0013	ND	NLE
alpha-Chlordane	4	74.50	0.0013	ND	NLE
Toxaphene	4	74.50	0.0008	ND	0.1
Arochlor 1016	4	74.50	0.0290	ND	0.49
Arochlor 1221	4	74.50	0.0534	ND	0.49
Arochlor 1232	4	74.50	0.0363	ND	0.49
Arochlor 1242	4	74.50	0.0415	ND	0.49
Arochlor 1248	4	74.50	0.0166	ND	0.49
Arochlor 1254	4	74.50	0.0104	ND	0.49
Arochlor 1260	4	74.50	0.0093	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3424.02
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/20/98
	Bldg. 173	**Extraction Date:**	3/23/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/1/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-10

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	**20**	**91.30**	**0.0030**	**ND**	**NLE**
beta-BHC	**20**	**91.30**	**0.0030**	**ND**	**NLE**
gamma-BHC	**20**	**91.30**	**0.0041**	**ND**	**0.52**
delta-BHC	**20**	**91.30**	**0.0041**	**ND**	**NLE**
Heptachlor	**20**	**91.30**	**0.0030**	**ND**	**0.15**
Aldrin	**20**	**91.30**	**0.0041**	**ND**	**0.04**
Heptachlor Epoxide	**20**	**91.30**	**0.0061**	**ND**	**NLE**
Endosulfan I	**20**	**91.30**	**0.0051**	**ND**	**NLE**
4,4'-DDE	**20**	**91.30**	**0.0041**	**0.265**	**2**
Dieldrin	**20**	**91.30**	**0.0051**	**ND**	**0.042**
Endrin	**20**	**91.30**	**0.0051**	**ND**	**17**
Endosulfan II	**20**	**91.30**	**0.0041**	**ND**	**NLE**
4,4'-DDD	**20**	**91.30**	**0.0061**	**0.255**	**3**
Endrin Aldehyde	**20**	**91.30**	**0.0051**	**ND**	**NLE**
4,4'-DDT	**20**	**91.30**	**0.0111**	**0.203**	**2**
Endosulfan-Sulfate	**20**	**91.30**	**0.0041**	**ND**	**NLE**
gamma -Chlordane	**20**	**91.30**	**0.0051**	**ND**	**NLE**
alpha-Chlordane	**20**	**91.30**	**0.0051**	**ND**	**NLE**
Toxaphene	**20**	**91.30**	**0.0030**	**ND**	**0.1**
Arochlor 1016	**20**	**91.30**	**0.1134**	**ND**	**0.49**
Arochlor 1221	**20**	**91.30**	**0.2086**	**ND**	**0.49**
Arochlor 1232	**20**	**91.30**	**0.1418**	**ND**	**0.49**
Arochlor 1242	**20**	**91.30**	**0.1620**	**ND**	**0.49**
Arochlor 1248	**20**	**91.30**	**0.0648**	**ND**	**0.49**
Arochlor 1254	**20**	**91.30**	**0.0405**	**ND**	**0.49**
Arochlor 1260	**20**	**91.30**	**0.0365**	**ND**	**0.49**

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

001284

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3424.04
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/20/98
	Bldg. 173	**Extraction Date:**	3/23/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-11

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	4	89.45	0.0007	ND	NLE
beta-BHC	4	89.45	0.0007	ND	NLE
gamma-BHC	4	89.45	0.0009	ND	0.52
delta-BHC	4	89.45	0.0009	ND	NLE
Heptachlor	4	89.45	0.0007	ND	0.15
Aldrin	4	89.45	0.0009	ND	0.04
Heptachlor Epoxide	4	89.45	0.0013	ND	NLE
Endosulfan I	4	89.45	0.0011	ND	NLE
4,4'-DDE	4	89.45	0.0009	0.042	2
Dieldrin	4	89.45	0.0011	ND	0.042
Endrin	4	89.45	0.0011	ND	17
Endosulfan II	4	89.45	0.0009	ND	NLE
4,4'-DDD	4	89.45	0.0013	0.028	3
Endrin Aldehyde	4	89.45	0.0011	ND	NLE
4,4'-DDT	4	89.45	0.0024	0.078	2
Endosulfan-Sulfate	4	89.45	0.0009	ND	NLE
gamma -Chlordane	4	89.45	0.0011	ND	NLE
alpha-Chlordane	4	89.45	0.0011	ND	NLE
Toxaphene	4	89.45	0.0007	ND	0.1
Arochlor 1016	4	89.45	0.0246	ND	0.49
Arochlor 1221	4	89.45	0.0452	ND	0.49
Arochlor 1232	4	89.45	0.0307	ND	0.49
Arochlor 1242	4	89.45	0.0351	ND	0.49
Arochlor 1248	4	89.45	0.0140	ND	0.49
Arochlor 1254	4	89.45	0.0088	ND	0.49
Arochlor 1260	4	89.45	0.0079	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3424.06
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/20/98
	Bldg. 173	**Extraction Date:**	3/23/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-12

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	4	87.67	0.0007	ND	NLE
beta-BHC	4	87.67	0.0007	ND	NLE
gamma-BHC	4	87.67	0.0009	ND	0.52
delta-BHC	4	87.67	0.0009	ND	NLE
Heptachlor	4	87.67	0.0007	ND	0.15
Aldrin	4	87.67	0.0009	ND	0.04
Heptachlor Epoxide	4	87.67	0.0014	ND	NLE
Endosulfan I	4	87.67	0.0011	ND	NLE
4,4'-DDE	4	87.67	0.0009	0.065	2
Dieldrin	4	87.67	0.0011	ND	0.042
Endrin	4	87.67	0.0011	ND	17
Endosulfan II	4	87.67	0.0009	ND	NLE
4,4'-DDD	4	87.67	0.0014	0.052	3
Endrin Aldehyde	4	87.67	0.0011	ND	NLE
4,4'-DDT	4	87.67	0.0025	0.154	2
Endosulfan-Sulfate	4	87.67	0.0009	ND	NLE
gamma -Chlordane	4	87.67	0.0011	ND	NLE
alpha-Chlordane	4	87.67	0.0011	ND	NLE
Toxaphene	4	87.67	0.0007	ND	0.1
Arochlor 1016	4	87.67	0.0253	ND	0.49
Arochlor 1221	4	87.67	0.0465	ND	0.49
Arochlor 1232	4	87.67	0.0316	ND	0.49
Arochlor 1242	4	87.67	0.0361	ND	0.49
Arochlor 1248	4	87.67	0.0144	ND	0.49
Arochlor 1254	4	87.67	0.0090	ND	0.49
Arochlor 1260	4	87.67	0.0081	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3424.08
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/20/98
	Bldg. 173	**Extraction Date:**	3/23/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-13

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	20	84.43	0.0035	ND	NLE
beta-BHC	20	84.43	0.0035	ND	NLE
gamma-BHC	20	84.43	0.0047	ND	0.52
delta-BHC	20	84.43	0.0047	ND	NLE
Heptachlor	20	84.43	0.0035	ND	0.15
Aldrin	20	84.43	0.0047	ND	0.04
Heptachlor Epoxide	20	84.43	0.0071	ND	NLE
Endosulfan I	20	84.43	0.0059	ND	NLE
4,4'-DDE	20	84.43	0.0047	0.350	2
Dieldrin	20	84.43	0.0059	ND	0.042
Endrin	20	84.43	0.0059	ND	17
Endosulfan II	20	84.43	0.0047	ND	NLE
4,4'-DDD	20	84.43	0.0071	0.397	3
Endrin Aldehyde	20	84.43	0.0059	ND	NLE
4,4'-DDT	20	84.43	0.0130	0.504	2
Endosulfan-Sulfate	20	84.43	0.0047	ND	NLE
gamma -Chlordane	20	84.43	0.0059	ND	NLE
alpha-Chlordane	20	84.43	0.0059	ND	NLE
Toxaphene	20	84.43	0.0035	ND	0.1
Arochlor 1016	20	84.43	0.1321	ND	0.49
Arochlor 1221	20	84.43	0.2430	ND	0.49
Arochlor 1232	20	84.43	0.1652	ND	0.49
Arochlor 1242	20	84.43	0.1888	ND	0.49
Arochlor 1248	20	84.43	0.0755	ND	0.49
Arochlor 1254	20	84.43	0.0472	ND	0.49
Arochlor 1260	20	84.43	0.0425	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3424.10
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/20/98
	Bldg. 173	**Extraction Date:**	3/23/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-14

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	4	89.84	0.0006	ND	NLE
beta-BHC	4	89.84	0.0006	ND	NLE
gamma-BHC	4	89.84	0.0008	ND	0.52
delta-BHC	4	89.84	0.0008	ND	NLE
Heptachlor	4	89.84	0.0006	ND	0.15
Aldrin	4	89.84	0.0008	ND	0.04
Heptachlor Epoxide	4	89.84	0.0012	ND	NLE
Endosulfan I	4	89.84	0.0010	ND	NLE
4,4'-DDE	4	89.84	0.0008	0.044	2
Dieldrin	4	89.84	0.0010	ND	0.042
Endrin	4	89.84	0.0010	ND	17
Endosulfan II	4	89.84	0.0008	ND	NLE
4,4'-DDD	4	89.84	0.0012	0.024	3
Endrin Aldehyde	4	89.84	0.0010	ND	NLE
4,4'-DDT	4	89.84	0.0023	0.067	2
Endosulfan-Sulfate	4	89.84	0.0008	ND	NLE
gamma -Chlordane	4	89.84	0.0010	ND	NLE
alpha-Chlordane	4	89.84	0.0010	ND	NLE
Toxaphene	4	89.84	0.0006	ND	0.1
Arochlor 1016	4	89.84	0.0232	ND	0.49
Arochlor 1221	4	89.84	0.0428	ND	0.49
Arochlor 1232	4	89.84	0.0291	ND	0.49
Arochlor 1242	4	89.84	0.0332	ND	0.49
Arochlor 1248	4	89.84	0.0133	ND	0.49
Arochlor 1254	4	89.84	0.0083	ND	0.49
Arochlor 1260	4	89.84	0.0075	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3424.12
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/20/98
	Bldg. 173	**Extraction Date:**	3/23/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-15

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	20	81.13	0.0036	ND	NLE
beta-BHC	20	81.13	0.0036	ND	NLE
gamma-BHC	20	81.13	0.0048	ND	0.52
delta-BHC	20	81.13	0.0048	ND	NLE
Heptachlor	20	81.13	0.0036	ND	0.15
Aldrin	20	81.13	0.0048	ND	0.04
Heptachlor Epoxide	20	81.13	0.0072	ND	NLE
Endosulfan I	20	81.13	0.0060	ND	NLE
4,4'-DDE	20	81.13	0.0048	0.559	2
Dieldrin	20	81.13	0.0060	ND	0.042
Endrin	20	81.13	0.0060	ND	17
Endosulfan II	20	81.13	0.0048	ND	NLE
4,4'-DDD	20	81.13	0.0072	0.139	3
Endrin Aldehyde	20	81.13	0.0060	ND	NLE
4,4'-DDT	20	81.13	0.0132	0.481	2
Endosulfan-Sulfate	20	81.13	0.0048	ND	NLE
gamma -Chlordane	20	81.13	0.0060	ND	NLE
alpha-Chlordane	20	81.13	0.0060	ND	NLE
Toxaphene	20	81.13	0.0036	ND	0.1
Arochlor 1016	20	81.13	0.1340	ND	0.49
Arochlor 1221	20	81.13	0.2465	ND	0.49
Arochlor 1232	20	81.13	0.1675	ND	0.49
Arochlor 1242	20	81.13	0.1915	ND	0.49
Arochlor 1248	20	81.13	0.0766	ND	0.49
Arochlor 1254	20	81.13	0.0479	ND	0.49
Arochlor 1260	20	81.13	0.0431	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3424.14
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/20/98
	Bldg. 173	**Extraction Date:**	3/23/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-16

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	4	77.13	0.0008	ND	NLE
beta-BHC	4	77.13	0.0008	ND	NLE
gamma-BHC	4	77.13	0.0010	ND	0.52
delta-BHC	4	77.13	0.0010	ND	NLE
Heptachlor	4	77.13	0.0008	ND	0.15
Aldrin	4	77.13	0.0010	ND	0.04
Heptachlor Epoxide	4	77.13	0.0015	ND	NLE
Endosulfan I	4	77.13	0.0013	ND	NLE
4,4'-DDE	4	77.13	0.0010	0.039	2
Dieldrin	4	77.13	0.0013	ND	0.042
Endrin	4	77.13	0.0013	ND	17
Endosulfan II	4	77.13	0.0010	ND	NLE
4,4'-DDD	4	77.13	0.0015	0.012	3
Endrin Aldehyde	4	77.13	0.0013	ND	NLE
4,4'-DDT	4	77.13	0.0028	0.035	2
Endosulfan-Sulfate	4	77.13	0.0010	ND	NLE
gamma -Chlordane	4	77.13	0.0013	ND	NLE
alpha-Chlordane	4	77.13	0.0013	ND	NLE
Toxaphene	4	77.13	0.0008	ND	0.1
Arochlor 1016	4	77.13	0.0283	ND	0.49
Arochlor 1221	4	77.13	0.0520	ND	0.49
Arochlor 1232	4	77.13	0.0354	ND	0.49
Arochlor 1242	4	77.13	0.0404	ND	0.49
Arochlor 1248	4	77.13	0.0162	ND	0.49
Arochlor 1254	4	77.13	0.0101	ND	0.49
Arochlor 1260	4	77.13	0.0091	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3424.16
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/20/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-17

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	4	79.92	0.0007	ND	NLE
beta-BHC	4	79.92	0.0007	ND	NLE
gamma-BHC	4	79.92	0.0010	ND	0.52
delta-BHC	4	79.92	0.0010	ND	NLE
Heptachlor	4	79.92	0.0007	ND	0.15
Aldrin	4	79.92	0.0010	ND	0.04
Heptachlor Epoxide	4	79.92	0.0015	ND	NLE
Endosulfan I	4	79.92	0.0012	ND	NLE
4,4'-DDE	4	79.92	0.0010	0.002	2
Dieldrin	4	79.92	0.0012	ND	0.042
Endrin	4	79.92	0.0012	ND	17
Endosulfan II	4	79.92	0.0010	ND	NLE
4,4'-DDD	4	79.92	0.0015	0.003	3
Endrin Aldehyde	4	79.92	0.0012	ND	NLE
4,4'-DDT	4	79.92	0.0027	0.006	2
Endosulfan-Sulfate	4	79.92	0.0010	ND	NLE
gamma -Chlordane	4	79.92	0.0012	ND	NLE
alpha-Chlordane	4	79.92	0.0012	ND	NLE
Toxaphene	4	79.92	0.0007	ND	0.1
Arochlor 1016	4	79.92	0.0276	ND	0.49
Arochlor 1221	4	79.92	0.0508	ND	0.49
Arochlor 1232	4	79.92	0.0346	ND	0.49
Arochlor 1242	4	79.92	0.0395	ND	0.49
Arochlor 1248	4	79.92	0.0158	ND	0.49
Arochlor 1254	4	79.92	0.0099	ND	0.49
Arochlor 1260	4	79.92	0.0089	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3424.18
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/20/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-18

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	4	77.41	0.0008	ND	NLE
beta-BHC	4	77.41	0.0008	ND	NLE
gamma-BHC	4	77.41	0.0010	ND	0.52
delta-BHC	4	77.41	0.0010	ND	NLE
Heptachlor	4	77.41	0.0008	ND	0.15
Aldrin	4	77.41	0.0010	ND	0.04
Heptachlor Epoxide	4	77.41	0.0015	ND	NLE
Endosulfan I	4	77.41	0.0013	ND	NLE
4,4'-DDE	4	77.41	0.0010	0.033	2
Dieldrin	4	77.41	0.0013	ND	0.042
Endrin	4	77.41	0.0013	ND	17
Endosulfan II	4	77.41	0.0010	ND	NLE
4,4'-DDD	4	77.41	0.0015	0.044	3
Endrin Aldehyde	4	77.41	0.0013	ND	NLE
4,4'-DDT	4	77.41	0.0028	0.011	2
Endosulfan-Sulfate	4	77.41	0.0010	ND	NLE
gamma -Chlordane	4	77.41	0.0013	ND	NLE
alpha-Chlordane	4	77.41	0.0013	ND	NLE
Toxaphene	4	77.41	0.0008	ND	0.1
Arochlor 1016	4	77.41	0.0284	ND	0.49
Arochlor 1221	4	77.41	0.0522	ND	0.49
Arochlor 1232	4	77.41	0.0354	ND	0.49
Arochlor 1242	4	77.41	0.0405	ND	0.49
Arochlor 1248	4	77.41	0.0162	ND	0.49
Arochlor 1254	4	77.41	0.0101	ND	0.49
Arochlor 1260	4	77.41	0.0091	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3424.20
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/20/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-19

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	4	78.63	0.0008	ND	NLE
beta-BHC	4	78.63	0.0008	ND	NLE
gamma-BHC	4	78.63	0.0010	ND	0.52
delta-BHC	4	78.63	0.0010	ND	NLE
Heptachlor	4	78.63	0.0008	ND	0.15
Aldrin	4	78.63	0.0010	ND	0.04
Heptachlor Epoxide	4	78.63	0.0015	ND	NLE
Endosulfan I	4	78.63	0.0013	ND	NLE
4,4'-DDE	4	78.63	0.0010	0.048	2
Dieldrin	4	78.63	0.0013	ND	0.042
Endrin	4	78.63	0.0013	ND	17
Endosulfan II	4	78.63	0.0010	ND	NLE
4,4'-DDD	4	78.63	0.0015	0.015	3
Endrin Aldehyde	4	78.63	0.0013	ND	NLE
4,4'-DDT	4	78.63	0.0028	0.036	2
Endosulfan-Sulfate	4	78.63	0.0010	ND	NLE
gamma -Chlordane	4	78.63	0.0013	ND	NLE
alpha-Chlordane	4	78.63	0.0013	ND	NLE
Toxaphene	4	78.63	0.0008	ND	0.1
Arochlor 1016	4	78.63	0.0285	ND	0.49
Arochlor 1221	4	78.63	0.0523	ND	0.49
Arochlor 1232	4	78.63	0.0356	ND	0.49
Arochlor 1242	4	78.63	0.0407	ND	0.49
Arochlor 1248	4	78.63	0.0163	ND	0.49
Arochlor 1254	4	78.63	0.0102	ND	0.49
Arochlor 1260	4	78.63	0.0091	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3425.02
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/23/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-20

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	86.22	0.0007	ND	NLE
beta-BHC	2	86.22	0.0007	ND	NLE
gamma-BHC	2	86.22	0.0009	ND	0.52
delta-BHC	2	86.22	0.0009	ND	NLE
Heptachlor	2	86.22	0.0007	ND	0.15
Aldrin	2	86.22	0.0009	ND	0.04
Heptachlor Epoxide	2	86.22	0.0013	ND	NLE
Endosulfan I	2	86.22	0.0011	ND	NLE
4,4'-DDE	5	86.22	0.0022	0.098	2
Dieldrin	2	86.22	0.0011	ND	0.042
Endrin	2	86.22	0.0011	ND	17
Endosulfan II	2	86.22	0.0009	ND	NLE
4,4'-DDD	2	86.22	0.0013	0.072	3
Endrin Aldehyde	2	86.22	0.0011	ND	NLE
4,4'-DDT	5	86.22	0.0061	0.194	2
Endosulfan-Sulfate	2	86.22	0.0009	ND	NLE
gamma -Chlordane	2	86.22	0.0011	ND	NLE
alpha-Chlordane	2	86.22	0.0011	ND	NLE
Toxaphene	2	86.22	0.0007	ND	0.1
Arochlor 1016	2	86.22	0.0249	ND	0.49
Arochlor 1221	2	86.22	0.0458	ND	0.49
Arochlor 1232	2	86.22	0.0311	ND	0.49
Arochlor 1242	2	86.22	0.0356	ND	0.49
Arochlor 1248	2	86.22	0.0142	ND	0.49
Arochlor 1254	2	86.22	0.0089	ND	0.49
Arochlor 1260	2	86.22	0.0080	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3425.04
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/23/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-21

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	83.58	0.0007	ND	NLE
beta-BHC	2	83.58	0.0007	ND	NLE
gamma-BHC	2	83.58	0.0010	ND	0.52
delta-BHC	2	83.58	0.0010	ND	NLE
Heptachlor	2	83.58	0.0007	ND	0.15
Aldrin	2	83.58	0.0010	ND	0.04
Heptachlor Epoxide	2	83.58	0.0014	ND	NLE
Endosulfan I	2	83.58	0.0012	ND	NLE
4,4'-DDE	10	83.58	0.0048	0.232	2
Dieldrin	2	83.58	0.0012	ND	0.042
Endrin	2	83.58	0.0012	ND	17
Endosulfan II	2	83.58	0.0010	ND	NLE
4,4'-DDD	10	83.58	0.0072	0.207	3
Endrin Aldehyde	2	83.58	0.0012	ND	NLE
4,4'-DDT	2	83.58	0.0026	0.116	2
Endosulfan-Sulfate	2	83.58	0.0010	ND	NLE
gamma -Chlordane	2	83.58	0.0012	ND	NLE
alpha-Chlordane	2	83.58	0.0012	ND	NLE
Toxaphene	2	83.58	0.0007	ND	0.1
Arochlor 1016	2	83.58	0.0268	ND	0.49
Arochlor 1221	2	83.58	0.0493	ND	0.49
Arochlor 1232	2	83.58	0.0335	ND	0.49
Arochlor 1242	2	83.58	0.0383	ND	0.49
Arochlor 1248	2	83.58	0.0153	ND	0.49
Arochlor 1254	2	83.58	0.0096	ND	0.49
Arochlor 1260	2	83.58	0.0086	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3425.06
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/23/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-22

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	83.83	0.0007	ND	NLE
beta-BHC	2	83.83	0.0007	ND	NLE
gamma-BHC	2	83.83	0.0009	ND	0.52
delta-BHC	2	83.83	0.0009	ND	NLE
Heptachlor	2	83.83	0.0007	ND	0.15
Aldrin	2	83.83	0.0009	ND	0.04
Heptachlor Epoxide	2	83.83	0.0014	ND	NLE
Endosulfan I	2	83.83	0.0012	ND	NLE
4,4'-DDE	25	83.83	0.0116	0.317	2
Dieldrin	2	83.83	0.0012	ND	0.042
Endrin	2	83.83	0.0012	ND	17
Endosulfan II	2	83.83	0.0009	ND	NLE
4,4'-DDD	25	83.83	0.0174	0.158	3
Endrin Aldehyde	2	83.83	0.0012	ND	NLE
4,4'-DDT	25	83.83	0.0319	0.326	2
Endosulfan-Sulfate	2	83.83	0.0009	ND	NLE
gamma -Chlordane	2	83.83	0.0012	ND	NLE
alpha-Chlordane	2	83.83	0.0012	ND	NLE
Toxaphene	2	83.83	0.0007	ND	0.1
Arochlor 1016	2	83.83	0.0260	ND	0.49
Arochlor 1221	2	83.83	0.0478	ND	0.49
Arochlor 1232	2	83.83	0.0325	ND	0.49
Arochlor 1242	2	83.83	0.0371	ND	0.49
Arochlor 1248	2	83.83	0.0149	ND	0.49
Arochlor 1254	2	83.83	0.0093	ND	0.49
Arochlor 1260	2	83.83	0.0084	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3425.08
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/23/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-23

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	79.40	0.0007	ND	NLE
beta-BHC	2	79.40	0.0007	ND	NLE
gamma-BHC	2	79.40	0.0010	ND	0.52
delta-BHC	2	79.40	0.0010	ND	NLE
Heptachlor	2	79.40	0.0007	ND	0.15
Aldrin	2	79.40	0.0010	ND	0.04
Heptachlor Epoxide	2	79.40	0.0015	ND	NLE
Endosulfan I	2	79.40	0.0012	ND	NLE
4,4'-DDE	10	79.40	0.0049	0.109	2
Dieldrin	2	79.40	0.0012	ND	0.042
Endrin	2	79.40	0.0012	ND	17
Endosulfan II	2	79.40	0.0010	ND	NLE
4,4'-DDD	10	79.40	0.0074	0.113	3
Endrin Aldehyde	2	79.40	0.0012	ND	NLE
4,4'-DDT	10	79.40	0.0136	0.304	2
Endosulfan-Sulfate	2	79.40	0.0010	ND	NLE
gamma -Chlordane	2	79.40	0.0012	ND	NLE
alpha-Chlordane	2	79.40	0.0012	ND	NLE
Toxaphene	2	79.40	0.0007	ND	0.1
Arochlor 1016	2	79.40	0.0277	ND	0.49
Arochlor 1221	2	79.40	0.0510	ND	0.49
Arochlor 1232	2	79.40	0.0346	ND	0.49
Arochlor 1242	2	79.40	0.0396	ND	0.49
Arochlor 1248	2	79.40	0.0158	ND	0.49
Arochlor 1254	2	79.40	0.0099	ND	0.49
Arochlor 1260	2	79.40	0.0089	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3425.10
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/23/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-24

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	82.62	0.0007	ND	NLE
beta-BHC	2	82.62	0.0007	ND	NLE
gamma-BHC	2	82.62	0.0010	ND	0.52
delta-BHC	2	82.62	0.0010	ND	NLE
Heptachlor	2	82.62	0.0007	ND	0.15
Aldrin	2	82.62	0.0010	ND	0.04
Heptachlor Epoxide	2	82.62	0.0015	ND	NLE
Endosulfan I	2	82.62	0.0012	ND	NLE
4,4'-DDE	2	82.62	0.0010	0.066	2
Dieldrin	2	82.62	0.0012	ND	0.042
Endrin	2	82.62	0.0012	ND	17
Endosulfan II	2	82.62	0.0010	ND	NLE
4,4'-DDD	2	82.62	0.0015	0.063	3
Endrin Aldehyde	2	82.62	0.0012	ND	NLE
4,4'-DDT	2	82.62	0.0027	0.045	2
Endosulfan-Sulfate	2	82.62	0.0010	ND	NLE
gamma -Chlordane	2	82.62	0.0012	ND	NLE
alpha-Chlordane	2	82.62	0.0012	ND	NLE
Toxaphene	2	82.62	0.0007	ND	0.1
Arochlor 1016	2	82.62	0.0275	ND	0.49
Arochlor 1221	2	82.62	0.0506	ND	0.49
Arochlor 1232	2	82.62	0.0344	ND	0.49
Arochlor 1242	2	82.62	0.0393	ND	0.49
Arochlor 1248	2	82.62	0.0157	ND	0.49
Arochlor 1254	2	82.62	0.0098	ND	0.49
Arochlor 1260	2	82.62	0.0088	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3425.12
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/23/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-25

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	85.15	0.0007	ND	NLE
beta-BHC	2	85.15	0.0007	ND	NLE
gamma-BHC	2	85.15	0.0009	ND	0.52
delta-BHC	2	85.15	0.0009	ND	NLE
Heptachlor	2	85.15	0.0007	ND	0.15
Aldrin	2	85.15	0.0009	ND	0.04
Heptachlor Epoxide	2	85.15	0.0013	ND	NLE
Endosulfan I	2	85.15	0.0011	ND	NLE
4,4'-DDE	2	85.15	0.0009	0.041	2
Dieldrin	2	85.15	0.0011	ND	0.042
Endrin	2	85.15	0.0011	ND	17
Endosulfan II	2	85.15	0.0009	ND	NLE
4,4'-DDD	2	85.15	0.0013	0.037	3
Endrin Aldehyde	2	85.15	0.0011	ND	NLE
4,4'-DDT	2	85.15	0.0024	0.043	2
Endosulfan-Sulfate	2	85.15	0.0009	ND	NLE
gamma -Chlordane	2	85.15	0.0011	ND	NLE
alpha-Chlordane	2	85.15	0.0011	ND	NLE
Toxaphene	2	85.15	0.0007	ND	0.1
Arochlor 1016	2	85.15	0.0249	ND	0.49
Arochlor 1221	2	85.15	0.0459	ND	0.49
Arochlor 1232	2	85.15	0.0312	ND	0.49
Arochlor 1242	2	85.15	0.0356	ND	0.49
Arochlor 1248	2	85.15	0.0142	ND	0.49
Arochlor 1254	2	85.15	0.0089	ND	0.49
Arochlor 1260	2	85.15	0.0080	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3425.14
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/23/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-26

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	82.00	0.0007	ND	NLE
beta-BHC	2	82.00	0.0007	ND	NLE
gamma-BHC	2	82.00	0.0009	ND	0.52
delta-BHC	2	82.00	0.0009	ND	NLE
Heptachlor	2	82.00	0.0007	ND	0.15
Aldrin	2	82.00	0.0009	ND	0.04
Heptachlor Epoxide	2	82.00	0.0013	ND	NLE
Endosulfan I	2	82.00	0.0011	ND	NLE
4,4'-DDE	10	82.00	0.0045	0.171	2
Dieldrin	2	82.00	0.0011	ND	0.042
Endrin	2	82.00	0.0011	ND	17
Endosulfan II	2	82.00	0.0009	ND	NLE
4,4'-DDD	2	82.00	0.0013	0.066	3
Endrin Aldehyde	2	82.00	0.0011	ND	NLE
4,4'-DDT	10	82.00	0.0123	0.309	2
Endosulfan-Sulfate	2	82.00	0.0009	ND	NLE
gamma -Chlordane	2	82.00	0.0011	ND	NLE
alpha-Chlordane	2	82.00	0.0011	ND	NLE
Toxaphene	2	82.00	0.0007	ND	0.1
Arochlor 1016	2	82.00	0.0250	ND	0.49
Arochlor 1221	2	82.00	0.0460	ND	0.49
Arochlor 1232	2	82.00	0.0313	ND	0.49
Arochlor 1242	2	82.00	0.0357	ND	0.49
Arochlor 1248	2	82.00	0.0143	ND	0.49
Arochlor 1254	2	82.00	0.0089	ND	0.49
Arochlor 1260	2	82.00	0.0080	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3425.16
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/23/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-27

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	84.31	0.0007	ND	NLE
beta-BHC	2	84.31	0.0007	ND	NLE
gamma-BHC	2	84.31	0.0010	ND	0.52
delta-BHC	2	84.31	0.0010	ND	NLE
Heptachlor	2	84.31	0.0007	ND	0.15
Aldrin	2	84.31	0.0010	ND	0.04
Heptachlor Epoxide	2	84.31	0.0015	ND	NLE
Endosulfan I	2	84.31	0.0012	ND	NLE
4,4'-DDE	2	84.31	0.0010	0.044	2
Dieldrin	2	84.31	0.0012	ND	0.042
Endrin	2	84.31	0.0012	ND	17
Endosulfan II	2	84.31	0.0010	ND	NLE
4,4'-DDD	2	84.31	0.0015	0.113	3
Endrin Aldehyde	2	84.31	0.0012	ND	NLE
4,4'-DDT	2	84.31	0.0027	0.057	2
Endosulfan-Sulfate	2	84.31	0.0010	ND	NLE
gamma -Chlordane	2	84.31	0.0012	ND	NLE
alpha-Chlordane	2	84.31	0.0012	ND	NLE
Toxaphene	2	84.31	0.0007	ND	0.1
Arochlor 1016	2	84.31	0.0276	ND	0.49
Arochlor 1221	2	84.31	0.0508	ND	0.49
Arochlor 1232	2	84.31	0.0345	ND	0.49
Arochlor 1242	2	84.31	0.0395	ND	0.49
Arochlor 1248	2	84.31	0.0158	ND	0.49
Arochlor 1254	2	84.31	0.0099	ND	0.49
Arochlor 1260	2	84.31	0.0089	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3425.18
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/23/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/4/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-28

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	85.85	0.0007	ND	NLE
beta-BHC	2	85.85	0.0007	ND	NLE
gamma-BHC	2	85.85	0.0009	ND	0.52
delta-BHC	2	85.85	0.0009	ND	NLE
Heptachlor	2	85.85	0.0007	ND	0.15
Aldrin	2	85.85	0.0009	ND	0.04
Heptachlor Epoxide	2	85.85	0.0014	ND	NLE
Endosulfan I	2	85.85	0.0012	ND	NLE
4,4'-DDE	2	85.85	0.0009	ND	2
Dieldrin	2	85.85	0.0012	ND	0.042
Endrin	2	85.85	0.0012	ND	17
Endosulfan II	2	85.85	0.0009	ND	NLE
4,4'-DDD	2	85.85	0.0014	ND	3
Endrin Aldehyde	2	85.85	0.0012	ND	NLE
4,4'-DDT	2	85.85	0.0026	ND	2
Endosulfan-Sulfate	2	85.85	0.0009	ND	NLE
gamma -Chlordane	2	85.85	0.0012	ND	NLE
alpha-Chlordane	2	85.85	0.0012	ND	NLE
Toxaphene	2	85.85	0.0007	ND	0.1
Arochlor 1016	2	85.85	0.0260	ND	0.49
Arochlor 1221	2	85.85	0.0479	ND	0.49
Arochlor 1232	2	85.85	0.0325	ND	0.49
Arochlor 1242	2	85.85	0.0372	ND	0.49
Arochlor 1248	2	85.85	0.0149	ND	0.49
Arochlor 1254	2	85.85	0.0093	ND	0.49
Arochlor 1260	2	85.85	0.0084	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3425.20
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/23/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-29

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	81.88	0.0007	ND	NLE
beta-BHC	2	81.88	0.0007	ND	NLE
gamma-BHC	2	81.88	0.0009	ND	0.52
delta-BHC	2	81.88	0.0009	ND	NLE
Heptachlor	2	81.88	0.0007	ND	0.15
Aldrin	2	81.88	0.0009	ND	0.04
Heptachlor Epoxide	2	81.88	0.0014	ND	NLE
Endosulfan I	2	81.88	0.0011	ND	NLE
4,4'-DDE	2	81.88	0.0009	ND	2
Dieldrin	2	81.88	0.0011	ND	0.042
Endrin	2	81.88	0.0011	ND	17
Endosulfan II	2	81.88	0.0009	ND	NLE
4,4'-DDD	2	81.88	0.0014	ND	3
Endrin Aldehyde	2	81.88	0.0011	ND	NLE
4,4'-DDT	2	81.88	0.0025	ND	2
Endosulfan-Sulfate	2	81.88	0.0009	ND	NLE
gamma -Chlordane	2	81.88	0.0011	ND	NLE
alpha-Chlordane	2	81.88	0.0011	ND	NLE
Toxaphene	2	81.88	0.0007	ND	0.1
Arochlor 1016	2	81.88	0.0258	ND	0.49
Arochlor 1221	2	81.88	0.0474	ND	0.49
Arochlor 1232	2	81.88	0.0322	ND	0.49
Arochlor 1242	2	81.88	0.0368	ND	0.49
Arochlor 1248	2	81.88	0.0147	ND	0.49
Arochlor 1254	2	81.88	0.0092	ND	0.49
Arochlor 1260	2	81.88	0.0083	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3425.22
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/23/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/2/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-30

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	87.02	0.0007	ND	NLE
beta-BHC	2	87.02	0.0007	ND	NLE
gamma-BHC	2	87.02	0.0009	ND	0.52
delta-BHC	2	87.02	0.0009	ND	NLE
Heptachlor	2	87.02	0.0007	ND	0.15
Aldrin	2	87.02	0.0009	ND	0.04
Heptachlor Epoxide	2	87.02	0.0014	ND	NLE
Endosulfan I	2	87.02	0.0011	ND	NLE
4,4'-DDE	10	87.02	0.0045	0.273	2
Dieldrin	2	87.02	0.0011	ND	0.042
Endrin	2	87.02	0.0011	ND	17
Endosulfan II	2	87.02	0.0009	ND	NLE
4,4'-DDD	2	87.02	0.0014	0.051	3
Endrin Aldehyde	2	87.02	0.0011	ND	NLE
4,4'-DDT	10	87.02	0.0124	0.231	2
Endosulfan-Sulfate	2	87.02	0.0009	ND	NLE
gamma -Chlordane	2	87.02	0.0011	ND	NLE
alpha-Chlordane	2	87.02	0.0011	ND	NLE
Toxaphene	2	87.02	0.0007	ND	0.1
Arochlor 1016	2	87.02	0.0253	ND	0.49
Arochlor 1221	2	87.02	0.0466	ND	0.49
Arochlor 1232	2	87.02	0.0317	ND	0.49
Arochlor 1242	2	87.02	0.0362	ND	0.49
Arochlor 1248	2	87.02	0.0145	ND	0.49
Arochlor 1254	2	87.02	0.0090	ND	0.49
Arochlor 1260	2	87.02	0.0081	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3428.02
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/24/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/15/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-31

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	83.78	0.0018	ND	NLE
beta-BHC	5	83.78	0.0018	ND	NLE
gamma-BHC	5	83.78	0.0024	ND	0.52
delta-BHC	5	83.78	0.0024	ND	NLE
Heptachlor	5	83.78	0.0018	ND	0.15
Aldrin	5	83.78	0.0024	ND	0.04
Heptachlor Epoxide	5	83.78	0.0036	ND	NLE
Endosulfan I	5	83.78	0.0030	ND	NLE
4,4'-DDE	5	83.78	0.0024	0.136	2
Dieldrin	5	83.78	0.0030	ND	0.042
Endrin	5	83.78	0.0030	ND	17
Endosulfan II	5	83.78	0.0024	ND	NLE
4,4'-DDD	5	83.78	0.0036	0.039	3
Endrin Aldehyde	5	83.78	0.0030	ND	NLE
4,4'-DDT	5	83.78	0.0067	0.208	2
Endosulfan-Sulfate	5	83.78	0.0024	ND	NLE
gamma -Chlordane	5	83.78	0.0030	ND	NLE
alpha-Chlordane	5	83.78	0.0030	ND	NLE
Toxaphene	5	83.78	0.0018	ND	0.1
Arochlor 1016	5	83.78	0.0679	ND	0.49
Arochlor 1221	5	83.78	0.1248	ND	0.49
Arochlor 1232	5	83.78	0.0848	ND	0.49
Arochlor 1242	5	83.78	0.0969	ND	0.49
Arochlor 1248	5	83.78	0.0388	ND	0.49
Arochlor 1254	5	83.78	0.0242	ND	0.49
Arochlor 1260	5	83.78	0.0218	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3428.04
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/24/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/15/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-32

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	79.28	0.0016	ND	NLE
beta-BHC	5	79.28	0.0016	ND	NLE
gamma-BHC	5	79.28	0.0022	ND	0.52
delta-BHC	5	79.28	0.0022	ND	NLE
Heptachlor	5	79.28	0.0016	ND	0.15
Aldrin	5	79.28	0.0022	ND	0.04
Heptachlor Epoxide	5	79.28	0.0033	ND	NLE
Endosulfan I	5	79.28	0.0027	ND	NLE
4,4'-DDE	5	79.28	0.0022	0.107	2
Dieldrin	5	79.28	0.0027	ND	0.042
Endrin	5	79.28	0.0027	ND	17
Endosulfan II	5	79.28	0.0022	ND	NLE
4,4'-DDD	5	79.28	0.0033	0.019	3
Endrin Aldehyde	5	79.28	0.0027	ND	NLE
4,4'-DDT	5	79.28	0.0060	0.188	2
Endosulfan-Sulfate	5	79.28	0.0022	ND	NLE
gamma -Chlordane	5	79.28	0.0027	ND	NLE
alpha-Chlordane	5	79.28	0.0027	ND	NLE
Toxaphene	5	79.28	0.0016	ND	0.1
Arochlor 1016	5	79.28	0.0612	ND	0.49
Arochlor 1221	5	79.28	0.1126	ND	0.49
Arochlor 1232	5	79.28	0.0765	ND	0.49
Arochlor 1242	5	79.28	0.0874	ND	0.49
Arochlor 1248	5	79.28	0.0350	ND	0.49
Arochlor 1254	5	79.28	0.0219	ND	0.49
Arochlor 1260	5	79.28	0.0197	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3428.06
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/24/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/15/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-33

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	82.01	0.0036	ND	NLE
beta-BHC	10	82.01	0.0036	ND	NLE
gamma-BHC	10	82.01	0.0048	ND	0.52
delta-BHC	10	82.01	0.0048	ND	NLE
Heptachlor	10	82.01	0.0036	ND	0.15
Aldrin	10	82.01	0.0048	ND	0.04
Heptachlor Epoxide	10	82.01	0.0072	ND	NLE
Endosulfan I	10	82.01	0.0060	ND	NLE
4,4'-DDE	10	82.01	0.0048	0.141	2
Dieldrin	10	82.01	0.0060	ND	0.042
Endrin	10	82.01	0.0060	ND	17
Endosulfan II	10	82.01	0.0048	ND	NLE
4,4'-DDD	10	82.01	0.0072	0.030	3
Endrin Aldehyde	10	82.01	0.0060	ND	NLE
4,4'-DDT	10	82.01	0.0131	0.146	2
Endosulfan-Sulfate	10	82.01	0.0048	ND	NLE
gamma -Chlordane	10	82.01	0.0060	ND	NLE
alpha-Chlordane	10	82.01	0.0060	ND	NLE
Toxaphene	10	82.01	0.0036	ND	0.1
Arochlor 1016	10	82.01	0.1335	ND	0.49
Arochlor 1221	10	82.01	0.2455	ND	0.49
Arochlor 1232	10	82.01	0.1669	ND	0.49
Arochlor 1242	10	82.01	0.1907	ND	0.49
Arochlor 1248	10	82.01	0.0763	ND	0.49
Arochlor 1254	10	82.01	0.0477	ND	0.49
Arochlor 1260	10	82.01	0.0429	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3428.08
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/24/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/15/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-34

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	82.00	0.0007	ND	NLE
beta-BHC	2	82.00	0.0007	ND	NLE
gamma-BHC	2	82.00	0.0010	ND	0.52
delta-BHC	2	82.00	0.0010	ND	NLE
Heptachlor	2	82.00	0.0007	ND	0.15
Aldrin	2	82.00	0.0010	ND	0.04
Heptachlor Epoxide	2	82.00	0.0014	ND	NLE
Endosulfan I	2	82.00	0.0012	ND	NLE
4,4'-DDE	2	82.00	0.0010	0.066	2
Dieldrin	2	82.00	0.0012	ND	0.042
Endrin	2	82.00	0.0012	ND	17
Endosulfan II	2	82.00	0.0010	ND	NLE
4,4'-DDD	2	82.00	0.0014	0.026	3
Endrin Aldehyde	2	82.00	0.0012	ND	NLE
4,4'-DDT	2	82.00	0.0026	0.122	2
Endosulfan-Sulfate	2	82.00	0.0010	ND	NLE
gamma -Chlordane	2	82.00	0.0012	ND	NLE
alpha-Chlordane	2	82.00	0.0012	ND	NLE
Toxaphene	2	82.00	0.0007	ND	0.1
Arochlor 1016	2	82.00	0.0267	ND	0.49
Arochlor 1221	2	82.00	0.0491	ND	0.49
Arochlor 1232	2	82.00	0.0333	ND	0.49
Arochlor 1242	2	82.00	0.0381	ND	0.49
Arochlor 1248	2	82.00	0.0152	ND	0.49
Arochlor 1254	2	82.00	0.0095	ND	0.49
Arochlor 1260	2	82.00	0.0086	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3428.10
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/24/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/15/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-35

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	84.12	0.0008	ND	NLE
beta-BHC	2	84.12	0.0008	ND	NLE
gamma-BHC	2	84.12	0.0010	ND	0.52
delta-BHC	2	84.12	0.0010	ND	NLE
Heptachlor	2	84.12	0.0008	ND	0.15
Aldrin	2	84.12	0.0010	ND	0.04
Heptachlor Epoxide	2	84.12	0.0015	ND	NLE
Endosulfan I	2	84.12	0.0013	ND	NLE
4,4'-DDE	2	84.12	0.0010	0.166	2
Dieldrin	2	84.12	0.0013	ND	0.042
Endrin	2	84.12	0.0013	ND	17
Endosulfan II	2	84.12	0.0010	ND	NLE
4,4'-DDD	2	84.12	0.0015	0.076	3
Endrin Aldehyde	2	84.12	0.0013	ND	NLE
4,4'-DDT	2	84.12	0.0028	0.299	2
Endosulfan-Sulfate	2	84.12	0.0010	ND	NLE
gamma -Chlordane	2	84.12	0.0013	ND	NLE
alpha-Chlordane	2	84.12	0.0013	ND	NLE
Toxaphene	2	84.12	0.0008	ND	0.1
Arochlor 1016	2	84.12	0.0285	ND	0.49
Arochlor 1221	2	84.12	0.0524	ND	0.49
Arochlor 1232	2	84.12	0.0356	ND	0.49
Arochlor 1242	2	84.12	0.0407	ND	0.49
Arochlor 1248	2	84.12	0.0163	ND	0.49
Arochlor 1254	2	84.12	0.0102	ND	0.49
Arochlor 1260	2	84.12	0.0092	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3428.12
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/24/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/15/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-36

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	92.97	0.0006	ND	NLE
beta-BHC	2	92.97	0.0006	ND	NLE
gamma-BHC	2	92.97	0.0008	ND	0.52
delta-BHC	2	92.97	0.0008	ND	NLE
Heptachlor	2	92.97	0.0006	ND	0.15
Aldrin	2	92.97	0.0008	ND	0.04
Heptachlor Epoxide	2	92.97	0.0012	ND	NLE
Endosulfan I	2	92.97	0.0010	ND	NLE
4,4'-DDE	2	92.97	0.0008	0.059	2
Dieldrin	2	92.97	0.0010	ND	0.042
Endrin	2	92.97	0.0010	ND	17
Endosulfan II	2	92.97	0.0008	ND	NLE
4,4'-DDD	2	92.97	0.0012	0.005	3
Endrin Aldehyde	2	92.97	0.0010	ND	NLE
4,4'-DDT	2	92.97	0.0022	0.063	2
Endosulfan-Sulfate	2	92.97	0.0008	ND	NLE
gamma -Chlordane	2	92.97	0.0010	ND	NLE
alpha-Chlordane	2	92.97	0.0010	ND	NLE
Toxaphene	2	92.97	0.0006	ND	0.1
Arochlor 1016	2	92.97	0.0228	ND	0.49
Arochlor 1221	2	92.97	0.0419	ND	0.49
Arochlor 1232	2	92.97	0.0285	ND	0.49
Arochlor 1242	2	92.97	0.0325	ND	0.49
Arochlor 1248	2	92.97	0.0130	ND	0.49
Arochlor 1254	2	92.97	0.0081	ND	0.49
Arochlor 1260	2	92.97	0.0073	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3428.14
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/24/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/15/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-37

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	74.71	0.0008	ND	NLE
beta-BHC	2	74.71	0.0008	ND	NLE
gamma-BHC	2	74.71	0.0010	ND	0.52
delta-BHC	2	74.71	0.0010	ND	NLE
Heptachlor	2	74.71	0.0008	ND	0.15
Aldrin	2	74.71	0.0010	ND	0.04
Heptachlor Epoxide	2	74.71	0.0015	ND	NLE
Endosulfan I	2	74.71	0.0013	ND	NLE
4,4'-DDE	2	74.71	0.0010	0.014	2
Dieldrin	2	74.71	0.0013	ND	0.042
Endrin	2	74.71	0.0013	ND	17
Endosulfan II	2	74.71	0.0010	ND	NLE
4,4'-DDD	2	74.71	0.0015	ND	3
Endrin Aldehyde	2	74.71	0.0013	ND	NLE
4,4'-DDT	2	74.71	0.0028	0.008	2
Endosulfan-Sulfate	2	74.71	0.0010	ND	NLE
gamma -Chlordane	2	74.71	0.0013	ND	NLE
alpha-Chlordane	2	74.71	0.0013	ND	NLE
Toxaphene	2	74.71	0.0008	ND	0.1
Arochlor 1016	2	74.71	0.0285	ND	0.49
Arochlor 1221	2	74.71	0.0524	ND	0.49
Arochlor 1232	2	74.71	0.0356	ND	0.49
Arochlor 1242	2	74.71	0.0407	ND	0.49
Arochlor 1248	2	74.71	0.0163	ND	0.49
Arochlor 1254	2	74.71	0.0102	ND	0.49
Arochlor 1260	2	74.71	0.0092	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3428.16
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/24/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/15/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-38

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	82.81	0.0035	ND	NLE
beta-BHC	10	82.81	0.0035	ND	NLE
gamma-BHC	10	82.81	0.0047	ND	0.52
delta-BHC	10	82.81	0.0047	ND	NLE
Heptachlor	10	82.81	0.0035	ND	0.15
Aldrin	10	82.81	0.0047	ND	0.04
Heptachlor Epoxide	10	82.81	0.0070	ND	NLE
Endosulfan I	10	82.81	0.0058	ND	NLE
4,4'-DDE	10	82.81	0.0047	0.164	2
Dieldrin	10	82.81	0.0058	ND	0.042
Endrin	10	82.81	0.0058	ND	17
Endosulfan II	10	82.81	0.0047	ND	NLE
4,4'-DDD	10	82.81	0.0070	0.069	3
Endrin Aldehyde	10	82.81	0.0058	ND	NLE
4,4'-DDT	10	82.81	0.0128	0.250	2
Endosulfan-Sulfate	10	82.81	0.0047	ND	NLE
gamma -Chlordane	10	82.81	0.0058	ND	NLE
alpha-Chlordane	10	82.81	0.0058	ND	NLE
Toxaphene	10	82.81	0.0035	ND	0.1
Arochlor 1016	10	82.81	0.1308	ND	0.49
Arochlor 1221	10	82.81	0.2406	ND	0.49
Arochlor 1232	10	82.81	0.1635	ND	0.49
Arochlor 1242	10	82.81	0.1869	ND	0.49
Arochlor 1248	10	82.81	0.0747	ND	0.49
Arochlor 1254	10	82.81	0.0467	ND	0.49
Arochlor 1260	10	82.81	0.0420	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3428.18
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/24/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/15/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-39

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	85.66	0.0007	ND	NLE
beta-BHC	2	85.66	0.0007	ND	NLE
gamma-BHC	2	85.66	0.0009	ND	0.52
delta-BHC	2	85.66	0.0009	ND	NLE
Heptachlor	2	85.66	0.0007	ND	0.15
Aldrin	2	85.66	0.0009	ND	0.04
Heptachlor Epoxide	2	85.66	0.0014	ND	NLE
Endosulfan I	2	85.66	0.0011	ND	NLE
4,4'-DDE	2	85.66	0.0009	0.044	2
Dieldrin	2	85.66	0.0011	ND	0.042
Endrin	2	85.66	0.0011	ND	17
Endosulfan II	2	85.66	0.0009	ND	NLE
4,4'-DDD	2	85.66	0.0014	0.009	3
Endrin Aldehyde	2	85.66	0.0011	ND	NLE
4,4'-DDT	2	85.66	0.0025	0.117	2
Endosulfan-Sulfate	2	85.66	0.0009	ND	NLE
gamma -Chlordane	2	85.66	0.0011	ND	NLE
alpha-Chlordane	2	85.66	0.0011	ND	NLE
Toxaphene	2	85.66	0.0007	ND	0.1
Arochlor 1016	2	85.66	0.0255	ND	0.49
Arochlor 1221	2	85.66	0.0469	ND	0.49
Arochlor 1232	2	85.66	0.0319	ND	0.49
Arochlor 1242	2	85.66	0.0364	ND	0.49
Arochlor 1248	2	85.66	0.0146	ND	0.49
Arochlor 1254	2	85.66	0.0091	ND	0.49
Arochlor 1260	2	85.66	0.0082	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3428.20
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/24/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/15/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-40

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	84.46	0.0018	ND	NLE
beta-BHC	5	84.46	0.0018	ND	NLE
gamma-BHC	5	84.46	0.0024	ND	0.52
delta-BHC	5	84.46	0.0024	ND	NLE
Heptachlor	5	84.46	0.0018	ND	0.15
Aldrin	5	84.46	0.0024	ND	0.04
Heptachlor Epoxide	5	84.46	0.0035	ND	NLE
Endosulfan I	5	84.46	0.0029	ND	NLE
4,4'-DDE	5	84.46	0.0024	0.211	2
Dieldrin	5	84.46	0.0029	ND	0.042
Endrin	5	84.46	0.0029	ND	17
Endosulfan II	5	84.46	0.0024	ND	NLE
4,4'-DDD	5	84.46	0.0035	0.142	3
Endrin Aldehyde	5	84.46	0.0029	ND	NLE
4,4'-DDT	5	84.46	0.0065	0.112	2
Endosulfan-Sulfate	5	84.46	0.0024	ND	NLE
gamma -Chlordane	5	84.46	0.0029	ND	NLE
alpha-Chlordane	5	84.46	0.0029	ND	NLE
Toxaphene	5	84.46	0.0018	ND	0.1
Arochlor 1016	5	84.46	0.0660	ND	0.49
Arochlor 1221	5	84.46	0.1213	ND	0.49
Arochlor 1232	5	84.46	0.0825	ND	0.49
Arochlor 1242	5	84.46	0.0942	ND	0.49
Arochlor 1248	5	84.46	0.0377	ND	0.49
Arochlor 1254	5	84.46	0.0236	ND	0.49
Arochlor 1260	5	84.46	0.0212	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3428.22
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/24/98
	Bldg. 173	**Extraction Date:**	3/25/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/4/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-41

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	84.73	0.0007	ND	NLE
beta-BHC	2	84.73	0.0007	ND	NLE
gamma-BHC	2	84.73	0.0009	ND	0.52
delta-BHC	2	84.73	0.0009	ND	NLE
Heptachlor	2	84.73	0.0007	ND	0.15
Aldrin	2	84.73	0.0009	ND	0.04
Heptachlor Epoxide	2	84.73	0.0014	ND	NLE
Endosulfan I	2	84.73	0.0012	ND	NLE
4,4'-DDE	10	84.73	0.0047	0.456	2
Dieldrin	2	84.73	0.0012	ND	0.042
Endrin	2	84.73	0.0012	ND	17
Endosulfan II	2	84.73	0.0009	ND	NLE
4,4'-DDD	10	84.73	0.0070	0.133	3
Endrin Aldehyde	2	84.73	0.0012	ND	NLE
4,4'-DDT	10	84.73	0.0128	0.176	2
Endosulfan-Sulfate	2	84.73	0.0009	ND	NLE
gamma -Chlordane	2	84.73	0.0012	ND	NLE
alpha-Chlordane	2	84.73	0.0012	ND	NLE
Toxaphene	2	84.73	0.0007	ND	0.1
Arochlor 1016	2	84.73	0.0260	ND	0.49
Arochlor 1221	2	84.73	0.0479	ND	0.49
Arochlor 1232	2	84.73	0.0326	ND	0.49
Arochlor 1242	2	84.73	0.0372	ND	0.49
Arochlor 1248	2	84.73	0.0149	ND	0.49
Arochlor 1254	2	84.73	0.0093	ND	0.49
Arochlor 1260	2	84.73	0.0084	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3432.02
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/25/98
	Bldg. 173	**Extraction Date:**	3/26/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/5/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-42

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	85.17	0.0007	ND	NLE
beta-BHC	2	85.17	0.0007	ND	NLE
gamma-BHC	2	85.17	0.0009	ND	0.52
delta-BHC	2	85.17	0.0009	ND	NLE
Heptachlor	2	85.17	0.0007	ND	0.15
Aldrin	2	85.17	0.0009	ND	0.04
Heptachlor Epoxide	2	85.17	0.0014	ND	NLE
Endosulfan I	2	85.17	0.0011	ND	NLE
4,4'-DDE	10	85.17	0.0046	0.111	2
Dieldrin	2	85.17	0.0011	ND	0.042
Endrin	2	85.17	0.0011	ND	17
Endosulfan II	2	85.17	0.0009	ND	NLE
4,4'-DDD	2	85.17	0.0014	0.050	3
Endrin Aldehyde	2	85.17	0.0011	ND	NLE
4,4'-DDT	10	85.17	0.0126	0.176	2
Endosulfan-Sulfate	2	85.17	0.0009	ND	NLE
gamma -Chlordane	2	85.17	0.0011	ND	NLE
alpha-Chlordane	2	85.17	0.0011	ND	NLE
Toxaphene	2	85.17	0.0007	ND	0.1
Arochlor 1016	2	85.17	0.0256	ND	0.49
Arochlor 1221	2	85.17	0.0470	ND	0.49
Arochlor 1232	2	85.17	0.0319	ND	0.49
Arochlor 1242	2	85.17	0.0365	ND	0.49
Arochlor 1248	2	85.17	0.0146	ND	0.49
Arochlor 1254	2	85.17	0.0091	ND	0.49
Arochlor 1260	2	85.17	0.0082	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3432.04
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/25/98
	Bldg. 173	**Extraction Date:**	3/26/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/5/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-43

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	83.98	0.0007	ND	NLE
beta-BHC	2	83.98	0.0007	ND	NLE
gamma-BHC	2	83.98	0.0009	ND	0.52
delta-BHC	2	83.98	0.0009	ND	NLE
Heptachlor	2	83.98	0.0007	ND	0.15
Aldrin	2	83.98	0.0009	ND	0.04
Heptachlor Epoxide	2	83.98	0.0014	ND	NLE
Endosulfan I	2	83.98	0.0012	ND	NLE
4,4'-DDE	20	83.98	0.0095	0.098	2
Dieldrin	2	83.98	0.0012	ND	0.042
Endrin	2	83.98	0.0012	ND	17
Endosulfan II	2	83.98	0.0009	ND	NLE
4,4'-DDD	2	83.98	0.0014	0.059	3
Endrin Aldehyde	2	83.98	0.0012	ND	NLE
4,4'-DDT	20	83.98	0.0260	0.312	2
Endosulfan-Sulfate	2	83.98	0.0009	ND	NLE
gamma -Chlordane	2	83.98	0.0012	ND	NLE
alpha-Chlordane	2	83.98	0.0012	ND	NLE
Toxaphene	2	83.98	0.0007	ND	0.1
Arochlor 1016	2	83.98	0.0265	ND	0.49
Arochlor 1221	2	83.98	0.0487	ND	0.49
Arochlor 1232	2	83.98	0.0331	ND	0.49
Arochlor 1242	2	83.98	0.0378	ND	0.49
Arochlor 1248	2	83.98	0.0151	ND	0.49
Arochlor 1254	2	83.98	0.0095	ND	0.49
Arochlor 1260	2	83.98	0.0085	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3432.06
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/25/98
	Bldg. 173	**Extraction Date:**	3/27/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/6/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-44

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	84.51	0.0006	ND	NLE
beta-BHC	2	84.51	0.0006	ND	NLE
gamma-BHC	2	84.51	0.0009	ND	0.52
delta-BHC	2	84.51	0.0009	ND	NLE
Heptachlor	2	84.51	0.0006	ND	0.15
Aldrin	2	84.51	0.0009	ND	0.04
Heptachlor Epoxide	2	84.51	0.0013	ND	NLE
Endosulfan I	2	84.51	0.0011	ND	NLE
4,4'-DDE	10	84.51	0.0043	0.186	2
Dieldrin	2	84.51	0.0011	ND	0.042
Endrin	2	84.51	0.0011	ND	17
Endosulfan II	2	84.51	0.0009	ND	NLE
4,4'-DDD	10	84.51	0.0064	0.022	3
Endrin Aldehyde	2	84.51	0.0011	ND	NLE
4,4'-DDT	10	84.51	0.0117	0.225	2
Endosulfan-Sulfate	2	84.51	0.0009	ND	NLE
gamma -Chlordane	2	84.51	0.0011	ND	NLE
alpha-Chlordane	2	84.51	0.0011	ND	NLE
Toxaphene	2	84.51	0.0006	ND	0.1
Arochlor 1016	2	84.51	0.0238	ND	0.49
Arochlor 1221	2	84.51	0.0438	ND	0.49
Arochlor 1232	2	84.51	0.0298	ND	0.49
Arochlor 1242	2	84.51	0.0340	ND	0.49
Arochlor 1248	2	84.51	0.0136	ND	0.49
Arochlor 1254	2	84.51	0.0085	ND	0.49
Arochlor 1260	2	84.51	0.0077	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3432.08
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/25/98
	Bldg. 173	**Extraction Date:**	3/27/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/6/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-45

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	81.41	0.0007	ND	NLE
beta-BHC	2	81.41	0.0007	ND	NLE
gamma-BHC	2	81.41	0.0009	ND	0.52
delta-BHC	2	81.41	0.0009	ND	NLE
Heptachlor	2	81.41	0.0007	ND	0.15
Aldrin	2	81.41	0.0009	ND	0.04
Heptachlor Epoxide	2	81.41	0.0014	ND	NLE
Endosulfan I	2	81.41	0.0012	ND	NLE
4,4'-DDE	10	81.41	0.0046	0.275	2
Dieldrin	2	81.41	0.0012	ND	0.042
Endrin	2	81.41	0.0012	ND	17
Endosulfan II	2	81.41	0.0009	ND	NLE
4,4'-DDD	2	81.41	0.0014	0.041	3
Endrin Aldehyde	2	81.41	0.0012	ND	NLE
4,4'-DDT	10	81.41	0.0127	0.467	2
Endosulfan-Sulfate	2	81.41	0.0009	ND	NLE
gamma -Chlordane	2	81.41	0.0012	ND	NLE
alpha-Chlordane	2	81.41	0.0012	ND	NLE
Toxaphene	2	81.41	0.0007	ND	0.1
Arochlor 1016	2	81.41	0.0258	ND	0.49
Arochlor 1221	2	81.41	0.0474	ND	0.49
Arochlor 1232	2	81.41	0.0322	ND	0.49
Arochlor 1242	2	81.41	0.0368	ND	0.49
Arochlor 1248	2	81.41	0.0147	ND	0.49
Arochlor 1254	2	81.41	0.0092	ND	0.49
Arochlor 1260	2	81.41	0.0083	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3432.10
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/25/98
	Bldg. 173	**Extraction Date:**	3/27/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/6/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-46

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	84.82	0.0007	ND	NLE
beta-BHC	2	84.82	0.0007	ND	NLE
gamma-BHC	2	84.82	0.0009	ND	0.52
delta-BHC	2	84.82	0.0009	ND	NLE
Heptachlor	2	84.82	0.0007	ND	0.15
Aldrin	2	84.82	0.0009	ND	0.04
Heptachlor Epoxide	2	84.82	0.0014	ND	NLE
Endosulfan I	2	84.82	0.0011	ND	NLE
4,4'-DDE	10	84.82	0.0045	0.090	2
Dieldrin	2	84.82	0.0011	ND	0.042
Endrin	2	84.82	0.0011	ND	17
Endosulfan II	2	84.82	0.0009	ND	NLE
4,4'-DDD	2	84.82	0.0014	0.035	3
Endrin Aldehyde	2	84.82	0.0011	ND	NLE
4,4'-DDT	10	84.82	0.0124	0.180	2
Endosulfan-Sulfate	2	84.82	0.0009	ND	NLE
gamma -Chlordane	2	84.82	0.0011	ND	NLE
alpha-Chlordane	2	84.82	0.0011	ND	NLE
Toxaphene	2	84.82	0.0007	ND	0.1
Arochlor 1016	2	84.82	0.0253	ND	0.49
Arochlor 1221	2	84.82	0.0465	ND	0.49
Arochlor 1232	2	84.82	0.0316	ND	0.49
Arochlor 1242	2	84.82	0.0361	ND	0.49
Arochlor 1248	2	84.82	0.0145	ND	0.49
Arochlor 1254	2	84.82	0.0090	ND	0.49
Arochlor 1260	2	84.82	0.0081	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3432.12
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/25/98
	Bldg. 173	**Extraction Date:**	3/27/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/6/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-47

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	85.98	0.0006	ND	NLE
beta-BHC	2	85.98	0.0006	ND	NLE
gamma-BHC	2	85.98	0.0009	ND	0.52
delta-BHC	2	85.98	0.0009	ND	NLE
Heptachlor	2	85.98	0.0006	ND	0.15
Aldrin	2	85.98	0.0009	ND	0.04
Heptachlor Epoxide	2	85.98	0.0013	ND	NLE
Endosulfan I	2	85.98	0.0011	ND	NLE
4,4'-DDE	10	85.98	0.0043	0.128	2
Dieldrin	2	85.98	0.0011	ND	0.042
Endrin	2	85.98	0.0011	ND	17
Endosulfan II	2	85.98	0.0009	ND	NLE
4,4'-DDD	2	85.98	0.0013	0.033	3
Endrin Aldehyde	2	85.98	0.0011	ND	NLE
4,4'-DDT	10	85.98	0.0118	0.138	2
Endosulfan-Sulfate	2	85.98	0.0009	ND	NLE
gamma -Chlordane	2	85.98	0.0011	ND	NLE
alpha-Chlordane	2	85.98	0.0011	ND	NLE
Toxaphene	2	85.98	0.0006	ND	0.1
Arochlor 1016	2	85.98	0.0241	ND	0.49
Arochlor 1221	2	85.98	0.0443	ND	0.49
Arochlor 1232	2	85.98	0.0301	ND	0.49
Arochlor 1242	2	85.98	0.0344	ND	0.49
Arochlor 1248	2	85.98	0.0138	ND	0.49
Arochlor 1254	2	85.98	0.0086	ND	0.49
Arochlor 1260	2	85.98	0.0077	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3432.14
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/25/98
	Bldg. 173	**Extraction Date:**	3/27/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/6/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-48

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	88.82	0.0007	ND	NLE
beta-BHC	2	88.82	0.0007	ND	NLE
gamma-BHC	2	88.82	0.0009	ND	0.52
delta-BHC	2	88.82	0.0009	ND	NLE
Heptachlor	2	88.82	0.0007	ND	0.15
Aldrin	2	88.82	0.0009	ND	0.04
Heptachlor Epoxide	2	88.82	0.0013	ND	NLE
Endosulfan I	2	88.82	0.0011	ND	NLE
4,4'-DDE	10	88.82	0.0044	0.086	2
Dieldrin	2	88.82	0.0011	ND	0.042
Endrin	2	88.82	0.0011	ND	17
Endosulfan II	2	88.82	0.0009	ND	NLE
4,4'-DDD	2	88.82	0.0013	0.035	3
Endrin Aldehyde	2	88.82	0.0011	ND	NLE
4,4'-DDT	10	88.82	0.0122	0.270	2
Endosulfan-Sulfate	2	88.82	0.0009	ND	NLE
gamma -Chlordane	2	88.82	0.0011	ND	NLE
alpha-Chlordane	2	88.82	0.0011	ND	NLE
Toxaphene	2	88.82	0.0007	ND	0.1
Arochlor 1016	2	88.82	0.0249	ND	0.49
Arochlor 1221	2	88.82	0.0458	ND	0.49
Arochlor 1232	2	88.82	0.0311	ND	0.49
Arochlor 1242	2	88.82	0.0356	ND	0.49
Arochlor 1248	2	88.82	0.0142	ND	0.49
Arochlor 1254	2	88.82	0.0089	ND	0.49
Arochlor 1260	2	88.82	0.0080	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3432.16
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/25/98
	Bldg. 173	**Extraction Date:**	3/27/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/6/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-49

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	84.14	0.0006	ND	NLE
beta-BHC	2	84.14	0.0006	ND	NLE
gamma-BHC	2	84.14	0.0009	ND	0.52
delta-BHC	2	84.14	0.0009	ND	NLE
Heptachlor	2	84.14	0.0006	ND	0.15
Aldrin	2	84.14	0.0009	ND	0.04
Heptachlor Epoxide	2	84.14	0.0013	ND	NLE
Endosulfan I	2	84.14	0.0011	ND	NLE
4,4'-DDE	10	84.14	0.0043	0.140	2
Dieldrin	2	84.14	0.0011	ND	0.042
Endrin	2	84.14	0.0011	ND	17
Endosulfan II	2	84.14	0.0009	ND	NLE
4,4'-DDD	10	84.14	0.0065	0.073	3
Endrin Aldehyde	2	84.14	0.0011	ND	NLE
4,4'-DDT	50	84.14	0.0592	0.461	2
Endosulfan-Sulfate	2	84.14	0.0009	ND	NLE
gamma -Chlordane	2	84.14	0.0011	ND	NLE
alpha-Chlordane	2	84.14	0.0011	ND	NLE
Toxaphene	2	84.14	0.0006	ND	0.1
Arochlor 1016	2	84.14	0.0241	ND	0.49
Arochlor 1221	2	84.14	0.0443	ND	0.49
Arochlor 1232	2	84.14	0.0301	ND	0.49
Arochlor 1242	2	84.14	0.0344	ND	0.49
Arochlor 1248	2	84.14	0.0138	ND	0.49
Arochlor 1254	2	84.14	0.0086	ND	0.49
Arochlor 1260	2	84.14	0.0077	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3432.18
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/25/98
	Bldg. 173	**Extraction Date:**	3/27/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/6/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-50

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	82.51	0.0007	ND	NLE
beta-BHC	2	82.51	0.0007	ND	NLE
gamma-BHC	2	82.51	0.0010	ND	0.52
delta-BHC	2	82.51	0.0010	ND	NLE
Heptachlor	2	82.51	0.0007	ND	0.15
Aldrin	2	82.51	0.0010	ND	0.04
Heptachlor Epoxide	2	82.51	0.0015	ND	NLE
Endosulfan I	2	82.51	0.0012	ND	NLE
4,4'-DDE	20	82.51	0.0097	0.234	2
Dieldrin	2	82.51	0.0012	ND	0.042
Endrin	2	82.51	0.0012	ND	17
Endosulfan II	2	82.51	0.0010	ND	NLE
4,4'-DDD	20	82.51	0.0146	0.089	3
Endrin Aldehyde	2	82.51	0.0012	ND	NLE
4,4'-DDT	20	82.51	0.0268	0.485	2
Endosulfan-Sulfate	2	82.51	0.0010	ND	NLE
gamma -Chlordane	2	82.51	0.0012	ND	NLE
alpha-Chlordane	2	82.51	0.0012	ND	NLE
Toxaphene	2	82.51	0.0007	ND	0.1
Arochlor 1016	2	82.51	0.0273	ND	0.49
Arochlor 1221	2	82.51	0.0502	ND	0.49
Arochlor 1232	2	82.51	0.0341	ND	0.49
Arochlor 1242	2	82.51	0.0390	ND	0.49
Arochlor 1248	2	82.51	0.0156	ND	0.49
Arochlor 1254	2	82.51	0.0097	ND	0.49
Arochlor 1260	2	82.51	0.0088	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	3432.20
	DPW. SELFM-PW-EV	**Date Rec'd:**	3/25/98
	Bldg. 173	**Extraction Date:**	3/27/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/6/98
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	D. Wright	**Field ID:**	B-51

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	2	87.40	0.0007	ND	NLE
beta-BHC	2	87.40	0.0007	ND	NLE
gamma-BHC	2	87.40	0.0009	ND	0.52
delta-BHC	2	87.40	0.0009	ND	NLE
Heptachlor	2	87.40	0.0007	ND	0.15
Aldrin	2	87.40	0.0009	ND	0.04
Heptachlor Epoxide	2	87.40	0.0013	ND	NLE
Endosulfan I	2	87.40	0.0011	ND	NLE
4,4'-DDE	2	87.40	0.0009	0.044	2
Dieldrin	2	87.40	0.0011	ND	0.042
Endrin	2	87.40	0.0011	ND	17
Endosulfan II	2	87.40	0.0009	ND	NLE
4,4'-DDD	2	87.40	0.0013	0.008	3
Endrin Aldehyde	2	87.40	0.0011	ND	NLE
4,4'-DDT	2	87.40	0.0025	0.055	2
Endosulfan-Sulfate	2	87.40	0.0009	ND	NLE
gamma -Chlordane	2	87.40	0.0011	ND	NLE
alpha-Chlordane	2	87.40	0.0011	ND	NLE
Toxaphene	2	87.40	0.0007	ND	0.1
Arochlor 1016	2	87.40	0.0252	ND	0.49
Arochlor 1221	2	87.40	0.0463	ND	0.49
Arochlor 1232	2	87.40	0.0315	ND	0.49
Arochlor 1242	2	87.40	0.0360	ND	0.49
Arochlor 1248	2	87.40	0.0144	ND	0.49
Arochlor 1254	2	87.40	0.0090	ND	0.49
Arochlor 1260	2	87.40	0.0081	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4748.02
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/26/99
	Bldg. 173	**Extraction Date:**	8/27/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	52

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.52	0.0004	ND	NLE
beta-BHC	1	84.52	0.0004	ND	NLE
gamma-BHC	1	84.52	0.0005	ND	0.52
delta-BHC	1	84.52	0.0005	ND	NLE
Heptachlor	1	84.52	0.0004	ND	0.15
Aldrin	1	84.52	0.0005	ND	0.04
Heptachlor Epoxide	1	84.52	0.0007	ND	NLE
Endosulfan I	1	84.52	0.0006	ND	NLE
4,4'-DDE	1	84.52	0.0005	0.005	2
Dieldrin	1	84.52	0.0006	ND	0.042
Endrin	1	84.52	0.0006	ND	17
Endosulfan II	1	84.52	0.0005	ND	NLE
4,4'-DDD	1	84.52	0.0007	ND	3
Endrin Aldehyde	1	84.52	0.0006	ND	NLE
4,4'-DDT	1	84.52	0.0013	0.011	2
Endosulfan-Sulfate	1	84.52	0.0005	ND	NLE
gamma -Chlordane	1	84.52	0.0006	ND	NLE
alpha-Chlordane	1	84.52	0.0006	ND	NLE
Toxaphene	1	84.52	0.0004	ND	0.1
Arochlor 1016	1	84.52	0.0132	ND	0.49
Arochlor 1221	1	84.52	0.0242	ND	0.49
Arochlor 1232	1	84.52	0.0164	ND	0.49
Arochlor 1242	1	84.52	0.0188	ND	0.49
Arochlor 1248	1	84.52	0.0075	ND	0.49
Arochlor 1254	1	84.52	0.0047	ND	0.49
Arochlor 1260	1	84.52	0.0042	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4748.04
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/26/99
	Bldg. 173	**Extraction Date:**	8/27/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	53

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	86.39	0.0003	ND	NLE
beta-BHC	1	86.39	0.0003	ND	NLE
gamma-BHC	1	86.39	0.0004	ND	0.52
delta-BHC	1	86.39	0.0004	ND	NLE
Heptachlor	1	86.39	0.0003	ND	0.15
Aldrin	1	86.39	0.0004	ND	0.04
Heptachlor Epoxide	1	86.39	0.0007	ND	NLE
Endosulfan I	1	86.39	0.0006	ND	NLE
4,4'-DDE	1	86.39	0.0004	0.037	2
Dieldrin	1	86.39	0.0006	ND	0.042
Endrin	1	86.39	0.0006	ND	17
Endosulfan II	1	86.39	0.0004	ND	NLE
4,4'-DDD	1	86.39	0.0007	0.050	3
Endrin Aldehyde	1	86.39	0.0006	ND	NLE
4,4'-DDT	1	86.39	0.0012	0.112	2
Endosulfan-Sulfate	1	86.39	0.0004	ND	NLE
gamma -Chlordane	1	86.39	0.0006	ND	NLE
alpha-Chlordane	1	86.39	0.0006	ND	NLE
Toxaphene	1	86.39	0.0003	ND	0.1
Arochlor 1016	1	86.39	0.0126	ND	0.49
Arochlor 1221	1	86.39	0.0231	ND	0.49
Arochlor 1232	1	86.39	0.0157	ND	0.49
Arochlor 1242	1	86.39	0.0180	ND	0.49
Arochlor 1248	1	86.39	0.0072	ND	0.49
Arochlor 1254	1	86.39	0.0045	ND	0.49
Arochlor 1260	1	86.39	0.0040	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4748.06
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/26/99
	Bldg. 173	**Extraction Date:**	8/27/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	54

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	77.16	0.0004	ND	NLE
beta-BHC	1	77.16	0.0004	ND	NLE
gamma-BHC	1	77.16	0.0005	ND	0.52
delta-BHC	1	77.16	0.0005	ND	NLE
Heptachlor	1	77.16	0.0004	ND	0.15
Aldrin	1	77.16	0.0005	ND	0.04
Heptachlor Epoxide	1	77.16	0.0008	ND	NLE
Endosulfan I	1	77.16	0.0006	ND	NLE
4,4'-DDE	10	77.16	0.0050	0.264	2
Dieldrin	1	77.16	0.0006	ND	0.042
Endrin	1	77.16	0.0006	ND	17
Endosulfan II	1	77.16	0.0005	ND	NLE
4,4'-DDD	10	77.16	0.0076	0.781	3
Endrin Aldehyde	1	77.16	0.0006	ND	NLE
4,4'-DDT	10	77.16	0.0139	0.280	2
Endosulfan-Sulfate	1	77.16	0.0005	ND	NLE
gamma -Chlordane	1	77.16	0.0006	ND	NLE
alpha-Chlordane	1	77.16	0.0006	ND	NLE
Toxaphene	1	77.16	0.0004	ND	0.1
Arochlor 1016	1	77.16	0.0141	ND	0.49
Arochlor 1221	1	77.16	0.0259	ND	0.49
Arochlor 1232	1	77.16	0.0176	ND	0.49
Arochlor 1242	1	77.16	0.0202	ND	0.49
Arochlor 1248	1	77.16	0.0081	ND	0.49
Arochlor 1254	1	77.16	0.0050	ND	0.49
Arochlor 1260	1	77.16	0.0045	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4748.08
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/26/99
	Bldg. 173	**Extraction Date:**	8/27/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	55

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	82.56	0.0003	ND	NLE
beta-BHC	1	82.56	0.0003	ND	NLE
gamma-BHC	1	82.56	0.0005	ND	0.52
delta-BHC	1	82.56	0.0005	ND	NLE
Heptachlor	1	82.56	0.0003	ND	0.15
Aldrin	1	82.56	0.0005	ND	0.04
Heptachlor Epoxide	1	82.56	0.0007	ND	NLE
Endosulfan I	1	82.56	0.0006	ND	NLE
4,4'-DDE	1	82.56	0.0005	0.050	2
Dieldrin	1	82.56	0.0006	ND	0.042
Endrin	1	82.56	0.0006	ND	17
Endosulfan II	1	82.56	0.0005	ND	NLE
4,4'-DDD	1	82.56	0.0007	0.026	3
Endrin Aldehyde	1	82.56	0.0006	ND	NLE
4,4'-DDT	1	82.56	0.0013	0.046	2
Endosulfan-Sulfate	1	82.56	0.0005	ND	NLE
gamma -Chlordane	1	82.56	0.0006	ND	NLE
alpha-Chlordane	1	82.56	0.0006	ND	NLE
Toxaphene	1	82.56	0.0003	ND	0.1
Arochlor 1016	1	82.56	0.0131	ND	0.49
Arochlor 1221	1	82.56	0.0240	ND	0.49
Arochlor 1232	1	82.56	0.0163	ND	0.49
Arochlor 1242	1	82.56	0.0187	ND	0.49
Arochlor 1248	1	82.56	0.0075	ND	0.49
Arochlor 1254	1	82.56	0.0047	ND	0.49
Arochlor 1260	1	82.56	0.0042	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4748.10
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/26/99
	Bldg. 173	**Extraction Date:**	8/27/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	56

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	86.64	0.0003	ND	NLE
beta-BHC	1	86.64	0.0003	ND	NLE
gamma-BHC	1	86.64	0.0004	ND	0.52
delta-BHC	1	86.64	0.0004	ND	NLE
Heptachlor	1	86.64	0.0003	ND	0.15
Aldrin	1	86.64	0.0004	ND	0.04
Heptachlor Epoxide	1	86.64	0.0007	ND	NLE
Endosulfan I	1	86.64	0.0005	ND	NLE
4,4'-DDE	10	86.64	0.0043	0.560	2
Dieldrin	1	86.64	0.0005	ND	0.042
Endrin	1	86.64	0.0005	ND	17
Endosulfan II	1	86.64	0.0004	ND	NLE
4,4'-DDD	10	86.64	0.0065	0.714	3
Endrin Aldehyde	1	86.64	0.0005	ND	NLE
4,4'-DDT	1	86.64	0.0012	0.097	2
Endosulfan-Sulfate	1	86.64	0.0004	ND	NLE
gamma -Chlordane	1	86.64	0.0005	ND	NLE
alpha-Chlordane	1	86.64	0.0005	ND	NLE
Toxaphene	1	86.64	0.0003	ND	0.1
Arochlor 1016	1	86.64	0.0122	ND	0.49
Arochlor 1221	1	86.64	0.0224	ND	0.49
Arochlor 1232	1	86.64	0.0152	ND	0.49
Arochlor 1242	1	86.64	0.0174	ND	0.49
Arochlor 1248	1	86.64	0.0069	ND	0.49
Arochlor 1254	1	86.64	0.0043	ND	0.49
Arochlor 1260	1	86.64	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4748.12
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/26/99
	Bldg. 173	**Extraction Date:**	8/27/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	57

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	83.96	0.0004	ND	NLE
beta-BHC	1	83.96	0.0004	ND	NLE
gamma-BHC	1	83.96	0.0005	ND	0.52
delta-BHC	1	83.96	0.0005	ND	NLE
Heptachlor	1	83.96	0.0004	ND	0.15
Aldrin	1	83.96	0.0005	ND	0.04
Heptachlor Epoxide	1	83.96	0.0007	ND	NLE
Endosulfan I	1	83.96	0.0006	ND	NLE
4,4'-DDE	1	83.96	0.0005	0.002	2
Dieldrin	1	83.96	0.0006	ND	0.042
Endrin	1	83.96	0.0006	ND	17
Endosulfan II	1	83.96	0.0005	ND	NLE
4,4'-DDD	1	83.96	0.0007	ND	3
Endrin Aldehyde	1	83.96	0.0006	ND	NLE
4,4'-DDT	1	83.96	0.0013	0.004	2
Endosulfan-Sulfate	1	83.96	0.0005	ND	NLE
gamma -Chlordane	1	83.96	0.0006	ND	NLE
alpha-Chlordane	1	83.96	0.0006	ND	NLE
Toxaphene	1	83.96	0.0004	ND	0.1
Arochlor 1016	1	83.96	0.0132	ND	0.49
Arochlor 1221	1	83.96	0.0242	ND	0.49
Arochlor 1232	1	83.96	0.0165	ND	0.49
Arochlor 1242	1	83.96	0.0188	ND	0.49
Arochlor 1248	1	83.96	0.0075	ND	0.49
Arochlor 1254	1	83.96	0.0047	ND	0.49
Arochlor 1260	1	83.96	0.0042	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4748.14
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/26/99
	Bldg. 173	**Extraction Date:**	8/27/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	58

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.82	0.0003	ND	NLE
beta-BHC	1	85.82	0.0003	ND	NLE
gamma-BHC	1	85.82	0.0005	ND	0.52
delta-BHC	1	85.82	0.0005	ND	NLE
Heptachlor	1	85.82	0.0003	ND	0.15
Aldrin	1	85.82	0.0005	ND	0.04
Heptachlor Epoxide	1	85.82	0.0007	ND	NLE
Endosulfan I	1	85.82	0.0006	ND	NLE
4,4'-DDE	1	85.82	0.0005	0.006	2
Dieldrin	1	85.82	0.0006	ND	0.042
Endrin	1	85.82	0.0006	ND	17
Endosulfan II	1	85.82	0.0005	ND	NLE
4,4'-DDD	1	85.82	0.0007	0.003	3
Endrin Aldehyde	1	85.82	0.0006	ND	NLE
4,4'-DDT	1	85.82	0.0012	0.023	2
Endosulfan-Sulfate	1	85.82	0.0005	ND	NLE
gamma -Chlordane	1	85.82	0.0006	ND	NLE
alpha-Chlordane	1	85.82	0.0006	ND	NLE
Toxaphene	1	85.82	0.0003	ND	0.1
Arochlor 1016	1	85.82	0.0127	ND	0.49
Arochlor 1221	1	85.82	0.0233	ND	0.49
Arochlor 1232	1	85.82	0.0158	ND	0.49
Arochlor 1242	1	85.82	0.0181	ND	0.49
Arochlor 1248	1	85.82	0.0072	ND	0.49
Arochlor 1254	1	85.82	0.0045	ND	0.49
Arochlor 1260	1	85.82	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4748.16
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/26/99
	Bldg. 173	**Extraction Date:**	8/27/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	59

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	91.22	0.0003	ND	NLE
beta-BHC	1	91.22	0.0003	ND	NLE
gamma-BHC	1	91.22	0.0004	ND	0.52
delta-BHC	1	91.22	0.0004	ND	NLE
Heptachlor	1	91.22	0.0003	ND	0.15
Aldrin	1	91.22	0.0004	ND	0.04
Heptachlor Epoxide	1	91.22	0.0006	ND	NLE
Endosulfan I	1	91.22	0.0005	ND	NLE
4,4'-DDE	10	91.22	0.0041	0.252	2
Dieldrin	1	91.22	0.0005	ND	0.042
Endrin	1	91.22	0.0005	ND	17
Endosulfan II	1	91.22	0.0004	ND	NLE
4,4'-DDD	1	91.22	0.0006	0.028	3
Endrin Aldehyde	1	91.22	0.0005	ND	NLE
4,4'-DDT	10	91.22	0.0113	0.499	2
Endosulfan-Sulfate	1	91.22	0.0004	ND	NLE
gamma -Chlordane	1	91.22	0.0005	ND	NLE
alpha-Chlordane	1	91.22	0.0005	ND	NLE
Toxaphene	1	91.22	0.0003	ND	0.1
Arochlor 1016	1	91.22	0.0115	ND	0.49
Arochlor 1221	1	91.22	0.0212	ND	0.49
Arochlor 1232	1	91.22	0.0144	ND	0.49
Arochlor 1242	1	91.22	0.0165	ND	0.49
Arochlor 1248	1	91.22	0.0066	ND	0.49
Arochlor 1254	1	91.22	0.0041	ND	0.49
Arochlor 1260	1	91.22	0.0037	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4748.18
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/26/99
	Bldg. 173	**Extraction Date:**	8/27/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	60

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	91.44	0.0003	ND	NLE
beta-BHC	1	91.44	0.0003	ND	NLE
gamma-BHC	1	91.44	0.0004	ND	0.52
delta-BHC	1	91.44	0.0004	ND	NLE
Heptachlor	1	91.44	0.0003	ND	0.15
Aldrin	1	91.44	0.0004	ND	0.04
Heptachlor Epoxide	1	91.44	0.0006	ND	NLE
Endosulfan I	1	91.44	0.0005	ND	NLE
4,4'-DDE	1	91.44	0.0004	0.004	2
Dieldrin	1	91.44	0.0005	ND	0.042
Endrin	1	91.44	0.0005	ND	17
Endosulfan II	1	91.44	0.0004	ND	NLE
4,4'-DDD	1	91.44	0.0006	ND	3
Endrin Aldehyde	1	91.44	0.0005	ND	NLE
4,4'-DDT	1	91.44	0.0012	0.003	2
Endosulfan-Sulfate	1	91.44	0.0004	ND	NLE
gamma -Chlordane	1	91.44	0.0005	ND	NLE
alpha-Chlordane	1	91.44	0.0005	ND	NLE
Toxaphene	1	91.44	0.0003	ND	0.1
Arochlor 1016	1	91.44	0.0119	ND	0.49
Arochlor 1221	1	91.44	0.0219	ND	0.49
Arochlor 1232	1	91.44	0.0149	ND	0.49
Arochlor 1242	1	91.44	0.0170	ND	0.49
Arochlor 1248	1	91.44	0.0068	ND	0.49
Arochlor 1254	1	91.44	0.0043	ND	0.49
Arochlor 1260	1	91.44	0.0038	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4748.20
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/26/99
	Bldg. 173	**Extraction Date:**	8/27/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	61

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	90.26	0.0003	ND	NLE
beta-BHC	1	90.26	0.0003	ND	NLE
gamma-BHC	1	90.26	0.0004	ND	0.52
delta-BHC	1	90.26	0.0004	ND	NLE
Heptachlor	1	90.26	0.0003	ND	0.15
Aldrin	1	90.26	0.0004	ND	0.04
Heptachlor Epoxide	1	90.26	0.0007	ND	NLE
Endosulfan I	1	90.26	0.0005	ND	NLE
4,4'-DDE	1	90.26	0.0004	0.002	2
Dieldrin	1	90.26	0.0005	ND	0.042
Endrin	1	90.26	0.0005	ND	17
Endosulfan II	1	90.26	0.0004	ND	NLE
4,4'-DDD	1	90.26	0.0007	0.001	3
Endrin Aldehyde	1	90.26	0.0005	ND	NLE
4,4'-DDT	1	90.26	0.0012	ND	2
Endosulfan-Sulfate	1	90.26	0.0004	ND	NLE
gamma -Chlordane	1	90.26	0.0005	ND	NLE
alpha-Chlordane	1	90.26	0.0005	ND	NLE
Toxaphene	1	90.26	0.0003	ND	0.1
Arochlor 1016	1	90.26	0.0122	ND	0.49
Arochlor 1221	1	90.26	0.0224	ND	0.49
Arochlor 1232	1	90.26	0.0153	ND	0.49
Arochlor 1242	1	90.26	0.0174	ND	0.49
Arochlor 1248	1	90.26	0.0070	ND	0.49
Arochlor 1254	1	90.26	0.0044	ND	0.49
Arochlor 1260	1	90.26	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4754.02
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/27/99
	Bldg. 173	**Extraction Date:**	8/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/24/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	63

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	86.93	0.0003	ND	NLE
beta-BHC	1	86.93	0.0003	ND	NLE
gamma-BHC	1	86.93	0.0004	ND	0.52
delta-BHC	1	86.93	0.0004	ND	NLE
Heptachlor	1	86.93	0.0003	ND	0.15
Aldrin	1	86.93	0.0004	ND	0.04
Heptachlor Epoxide	1	86.93	0.0007	ND	NLE
Endosulfan I	1	86.93	0.0006	ND	NLE
4,4'-DDE	1	86.93	0.0004	0.048	2
Dieldrin	1	86.93	0.0006	ND	0.042
Endrin	1	86.93	0.0006	ND	17
Endosulfan II	1	86.93	0.0004	ND	NLE
4,4'-DDD	1	86.93	0.0007	0.024	3
Endrin Aldehyde	1	86.93	0.0006	ND	NLE
4,4'-DDT	1	86.93	0.0012	0.015	2
Endosulfan-Sulfate	1	86.93	0.0004	ND	NLE
gamma -Chlordane	1	86.93	0.0006	ND	NLE
alpha-Chlordane	1	86.93	0.0006	ND	NLE
Toxaphene	1	86.93	0.0003	ND	0.1
Arochlor 1016	1	86.93	0.0124	ND	0.49
Arochlor 1221	1	86.93	0.0228	ND	0.49
Arochlor 1232	1	86.93	0.0155	ND	0.49
Arochlor 1242	1	86.93	0.0177	ND	0.49
Arochlor 1248	1	86.93	0.0071	ND	0.49
Arochlor 1254	1	86.93	0.0044	ND	0.49
Arochlor 1260	1	86.93	0.0040	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4754.04
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/27/99
	Bldg. 173	**Extraction Date:**	8/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/24/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	64

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	81.44	0.0003	ND	NLE
beta-BHC	1	81.44	0.0003	ND	NLE
gamma-BHC	1	81.44	0.0005	ND	0.52
delta-BHC	1	81.44	0.0005	ND	NLE
Heptachlor	1	81.44	0.0003	ND	0.15
Aldrin	1	81.44	0.0005	ND	0.04
Heptachlor Epoxide	1	81.44	0.0007	ND	NLE
Endosulfan I	1	81.44	0.0006	ND	NLE
4,4'-DDE	1	81.44	0.0005	ND	2
Dieldrin	1	81.44	0.0006	ND	0.042
Endrin	1	81.44	0.0006	ND	17
Endosulfan II	1	81.44	0.0005	ND	NLE
4,4'-DDD	1	81.44	0.0007	ND	3
Endrin Aldehyde	1	81.44	0.0006	ND	NLE
4,4'-DDT	1	81.44	0.0013	0.003	2
Endosulfan-Sulfate	1	81.44	0.0005	ND	NLE
gamma -Chlordane	1	81.44	0.0006	ND	NLE
alpha-Chlordane	1	81.44	0.0006	ND	NLE
Toxaphene	1	81.44	0.0003	ND	0.1
Arochlor 1016	1	81.44	0.0128	ND	0.49
Arochlor 1221	1	81.44	0.0235	ND	0.49
Arochlor 1232	1	81.44	0.0160	ND	0.49
Arochlor 1242	1	81.44	0.0183	ND	0.49
Arochlor 1248	1	81.44	0.0073	ND	0.49
Arochlor 1254	1	81.44	0.0046	ND	0.49
Arochlor 1260	1	81.44	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4754.06
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/27/99
	Bldg. 173	**Extraction Date:**	8/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/24/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	65

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.06	0.0003	ND	NLE
beta-BHC	1	84.06	0.0003	ND	NLE
gamma-BHC	1	84.06	0.0005	ND	0.52
delta-BHC	1	84.06	0.0005	ND	NLE
Heptachlor	1	84.06	0.0003	ND	0.15
Aldrin	1	84.06	0.0005	ND	0.04
Heptachlor Epoxide	1	84.06	0.0007	ND	NLE
Endosulfan I	1	84.06	0.0006	ND	NLE
4,4'-DDE	1	84.06	0.0005	0.013	2
Dieldrin	1	84.06	0.0006	ND	0.042
Endrin	1	84.06	0.0006	ND	17
Endosulfan II	1	84.06	0.0005	ND	NLE
4,4'-DDD	1	84.06	0.0007	0.003	3
Endrin Aldehyde	1	84.06	0.0006	ND	NLE
4,4'-DDT	2	84.06	0.0025	0.174	2
Endosulfan-Sulfate	1	84.06	0.0005	ND	NLE
gamma -Chlordane	1	84.06	0.0006	ND	NLE
alpha-Chlordane	1	84.06	0.0006	ND	NLE
Toxaphene	1	84.06	0.0003	ND	0.1
Arochlor 1016	1	84.06	0.0128	ND	0.49
Arochlor 1221	1	84.06	0.0236	ND	0.49
Arochlor 1232	1	84.06	0.0160	ND	0.49
Arochlor 1242	1	84.06	0.0183	ND	0.49
Arochlor 1248	1	84.06	0.0073	ND	0.49
Arochlor 1254	1	84.06	0.0046	ND	0.49
Arochlor 1260	1	84.06	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4754.08
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/27/99
	Bldg. 173	**Extraction Date:**	8/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/24/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	66

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.91	0.0003	ND	NLE
beta-BHC	1	84.91	0.0003	ND	NLE
gamma-BHC	1	84.91	0.0004	ND	0.52
delta-BHC	1	84.91	0.0004	ND	NLE
Heptachlor	1	84.91	0.0003	ND	0.15
Aldrin	1	84.91	0.0004	ND	0.04
Heptachlor Epoxide	1	84.91	0.0007	ND	NLE
Endosulfan I	1	84.91	0.0006	ND	NLE
4,4'-DDE	1	84.91	0.0004	0.009	2
Dieldrin	1	84.91	0.0006	ND	0.042
Endrin	1	84.91	0.0006	ND	17
Endosulfan II	1	84.91	0.0004	ND	NLE
4,4'-DDD	1	84.91	0.0007	0.009	3
Endrin Aldehyde	1	84.91	0.0006	ND	NLE
4,4'-DDT	1	84.91	0.0012	0.011	2
Endosulfan-Sulfate	1	84.91	0.0004	ND	NLE
gamma -Chlordane	1	84.91	0.0006	ND	NLE
alpha-Chlordane	1	84.91	0.0006	ND	NLE
Toxaphene	1	84.91	0.0003	ND	0.1
Arochlor 1016	1	84.91	0.0124	ND	0.49
Arochlor 1221	1	84.91	0.0227	ND	0.49
Arochlor 1232	1	84.91	0.0154	ND	0.49
Arochlor 1242	1	84.91	0.0176	ND	0.49
Arochlor 1248	1	84.91	0.0071	ND	0.49
Arochlor 1254	1	84.91	0.0044	ND	0.49
Arochlor 1260	1	84.91	0.0040	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4754.10
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/27/99
	Bldg. 173	**Extraction Date:**	8/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/24/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	67

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	88.11	0.0003	ND	NLE
beta-BHC	1	88.11	0.0003	ND	NLE
gamma-BHC	1	88.11	0.0004	ND	0.52
delta-BHC	1	88.11	0.0004	ND	NLE
Heptachlor	1	88.11	0.0003	ND	0.15
Aldrin	1	88.11	0.0004	ND	0.04
Heptachlor Epoxide	1	88.11	0.0007	ND	NLE
Endosulfan I	1	88.11	0.0005	ND	NLE
4,4'-DDE	10	88.11	0.0044	0.210	2
Dieldrin	1	88.11	0.0005	ND	0.042
Endrin	1	88.11	0.0005	ND	17
Endosulfan II	1	88.11	0.0004	ND	NLE
4,4'-DDD	10	88.11	0.0066	0.961	3
Endrin Aldehyde	1	88.11	0.0005	ND	NLE
4,4'-DDT	1	88.11	0.0012	0.080	2
Endosulfan-Sulfate	1	88.11	0.0004	ND	NLE
gamma -Chlordane	1	88.11	0.0005	ND	NLE
alpha-Chlordane	1	88.11	0.0005	ND	NLE
Toxaphene	1	88.11	0.0003	ND	0.1
Arochlor 1016	1	88.11	0.0123	ND	0.49
Arochlor 1221	1	88.11	0.0225	ND	0.49
Arochlor 1232	1	88.11	0.0153	ND	0.49
Arochlor 1242	1	88.11	0.0175	ND	0.49
Arochlor 1248	1	88.11	0.0070	ND	0.49
Arochlor 1254	1	88.11	0.0044	ND	0.49
Arochlor 1260	1	88.11	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4754.12
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/27/99
	Bldg. 173	**Extraction Date:**	8/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/24/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	68

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	92.52	0.0003	ND	NLE
beta-BHC	1	92.52	0.0003	ND	NLE
gamma-BHC	1	92.52	0.0004	ND	0.52
delta-BHC	1	92.52	0.0004	ND	NLE
Heptachlor	1	92.52	0.0003	ND	0.15
Aldrin	1	92.52	0.0004	ND	0.04
Heptachlor Epoxide	1	92.52	0.0006	ND	NLE
Endosulfan I	1	92.52	0.0005	ND	NLE
4,4'-DDE	1	92.52	0.0004	ND	2
Dieldrin	1	92.52	0.0005	ND	0.042
Endrin	1	92.52	0.0005	ND	17
Endosulfan II	1	92.52	0.0004	ND	NLE
4,4'-DDD	1	92.52	0.0006	ND	3
Endrin Aldehyde	1	92.52	0.0005	ND	NLE
4,4'-DDT	1	92.52	0.0012	ND	2
Endosulfan-Sulfate	1	92.52	0.0004	ND	NLE
gamma -Chlordane	1	92.52	0.0005	ND	NLE
alpha-Chlordane	1	92.52	0.0005	ND	NLE
Toxaphene	1	92.52	0.0003	ND	0.1
Arochlor 1016	1	92.52	0.0118	ND	0.49
Arochlor 1221	1	92.52	0.0217	ND	0.49
Arochlor 1232	1	92.52	0.0147	ND	0.49
Arochlor 1242	1	92.52	0.0168	ND	0.49
Arochlor 1248	1	92.52	0.0067	ND	0.49
Arochlor 1254	1	92.52	0.0042	ND	0.49
Arochlor 1260	1	92.52	0.0038	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4754.14
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/27/99
	Bldg. 173	**Extraction Date:**	8/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/24/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	69

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.56	0.0003	ND	NLE
beta-BHC	1	89.56	0.0003	ND	NLE
gamma-BHC	1	89.56	0.0004	ND	0.52
delta-BHC	1	89.56	0.0004	ND	NLE
Heptachlor	1	89.56	0.0003	ND	0.15
Aldrin	1	89.56	0.0004	ND	0.04
Heptachlor Epoxide	1	89.56	0.0006	ND	NLE
Endosulfan I	1	89.56	0.0005	ND	NLE
4,4'-DDE	1	89.56	0.0004	0.003	2
Dieldrin	1	89.56	0.0005	ND	0.042
Endrin	1	89.56	0.0005	ND	17
Endosulfan II	1	89.56	0.0004	ND	NLE
4,4'-DDD	1	89.56	0.0006	ND	3
Endrin Aldehyde	1	89.56	0.0005	ND	NLE
4,4'-DDT	1	89.56	0.0012	0.002	2
Endosulfan-Sulfate	1	89.56	0.0004	ND	NLE
gamma -Chlordane	1	89.56	0.0005	ND	NLE
alpha-Chlordane	1	89.56	0.0005	ND	NLE
Toxaphene	1	89.56	0.0003	ND	0.1
Arochlor 1016	1	89.56	0.0120	ND	0.49
Arochlor 1221	1	89.56	0.0221	ND	0.49
Arochlor 1232	1	89.56	0.0150	ND	0.49
Arochlor 1242	1	89.56	0.0171	ND	0.49
Arochlor 1248	1	89.56	0.0069	ND	0.49
Arochlor 1254	1	89.56	0.0043	ND	0.49
Arochlor 1260	1	89.56	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4754.16
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/27/99
	Bldg. 173	**Extraction Date:**	8/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/24/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	70

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.97	0.0003	ND	NLE
beta-BHC	1	85.97	0.0003	ND	NLE
gamma-BHC	1	85.97	0.0005	ND	0.52
delta-BHC	1	85.97	0.0005	ND	NLE
Heptachlor	1	85.97	0.0003	ND	0.15
Aldrin	1	85.97	0.0005	ND	0.04
Heptachlor Epoxide	1	85.97	0.0007	ND	NLE
Endosulfan I	1	85.97	0.0006	ND	NLE
4,4'-DDE	1	85.97	0.0005	0.064	2
Dieldrin	1	85.97	0.0006	ND	0.042
Endrin	1	85.97	0.0006	ND	17
Endosulfan II	1	85.97	0.0005	ND	NLE
4,4'-DDD	1	85.97	0.0007	0.025	3
Endrin Aldehyde	1	85.97	0.0006	ND	NLE
4,4'-DDT	5	85.97	0.0064	0.330	2
Endosulfan-Sulfate	1	85.97	0.0005	ND	NLE
gamma -Chlordane	1	85.97	0.0006	ND	NLE
alpha-Chlordane	1	85.97	0.0006	ND	NLE
Toxaphene	1	85.97	0.0003	ND	0.1
Arochlor 1016	1	85.97	0.0130	ND	0.49
Arochlor 1221	1	85.97	0.0238	ND	0.49
Arochlor 1232	1	85.97	0.0162	ND	0.49
Arochlor 1242	1	85.97	0.0185	ND	0.49
Arochlor 1248	1	85.97	0.0074	ND	0.49
Arochlor 1254	1	85.97	0.0046	ND	0.49
Arochlor 1260	1	85.97	0.0042	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4754.18
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/27/99
	Bldg. 173	**Extraction Date:**	8/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/24/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	71

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.96	0.0003	ND	NLE
beta-BHC	1	84.96	0.0003	ND	NLE
gamma-BHC	1	84.96	0.0005	ND	0.52
delta-BHC	1	84.96	0.0005	ND	NLE
Heptachlor	1	84.96	0.0003	ND	0.15
Aldrin	1	84.96	0.0005	ND	0.04
Heptachlor Epoxide	1	84.96	0.0007	ND	NLE
Endosulfan I	1	84.96	0.0006	ND	NLE
4,4'-DDE	1	84.96	0.0005	0.005	2
Dieldrin	1	84.96	0.0006	ND	0.042
Endrin	1	84.96	0.0006	ND	17
Endosulfan II	1	84.96	0.0005	ND	NLE
4,4'-DDD	1	84.96	0.0007	ND	3
Endrin Aldehyde	1	84.96	0.0006	ND	NLE
4,4'-DDT	1	84.96	0.0013	0.008	2
Endosulfan-Sulfate	1	84.96	0.0005	ND	NLE
gamma -Chlordane	1	84.96	0.0006	ND	NLE
alpha-Chlordane	1	84.96	0.0006	ND	NLE
Toxaphene	1	84.96	0.0003	ND	0.1
Arochlor 1016	1	84.96	0.0128	ND	0.49
Arochlor 1221	1	84.96	0.0236	ND	0.49
Arochlor 1232	1	84.96	0.0161	ND	0.49
Arochlor 1242	1	84.96	0.0184	ND	0.49
Arochlor 1248	1	84.96	0.0073	ND	0.49
Arochlor 1254	1	84.96	0.0046	ND	0.49
Arochlor 1260	1	84.96	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4754.20
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/27/99
	Bldg. 173	**Extraction Date:**	8/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/24/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	72

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	86.36	0.0003	ND	NLE
beta-BHC	1	86.36	0.0003	ND	NLE
gamma-BHC	1	86.36	0.0005	ND	0.52
delta-BHC	1	86.36	0.0005	ND	NLE
Heptachlor	1	86.36	0.0003	ND	0.15
Aldrin	1	86.36	0.0005	ND	0.04
Heptachlor Epoxide	1	86.36	0.0007	ND	NLE
Endosulfan I	1	86.36	0.0006	ND	NLE
4,4'-DDE	1	86.36	0.0005	ND	2
Dieldrin	1	86.36	0.0006	ND	0.042
Endrin	1	86.36	0.0006	ND	17
Endosulfan II	1	86.36	0.0005	ND	NLE
4,4'-DDD	1	86.36	0.0007	ND	3
Endrin Aldehyde	1	86.36	0.0006	ND	NLE
4,4'-DDT	1	86.36	0.0013	ND	2
Endosulfan-Sulfate	1	86.36	0.0005	ND	NLE
gamma -Chlordane	1	86.36	0.0006	ND	NLE
alpha-Chlordane	1	86.36	0.0006	ND	NLE
Toxaphene	1	86.36	0.0003	ND	0.1
Arochlor 1016	1	86.36	0.0131	ND	0.49
Arochlor 1221	1	86.36	0.0240	ND	0.49
Arochlor 1232	1	86.36	0.0163	ND	0.49
Arochlor 1242	1	86.36	0.0187	ND	0.49
Arochlor 1248	1	86.36	0.0075	ND	0.49
Arochlor 1254	1	86.36	0.0047	ND	0.49
Arochlor 1260	1	86.36	0.0042	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4754.22
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/27/99
	Bldg. 173	**Extraction Date:**	8/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/24/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	73

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	94.59	0.0003	ND	NLE
beta-BHC	1	94.59	0.0003	ND	NLE
gamma-BHC	1	94.59	0.0004	ND	0.52
delta-BHC	1	94.59	0.0004	ND	NLE
Heptachlor	1	94.59	0.0003	ND	0.15
Aldrin	1	94.59	0.0004	ND	0.04
Heptachlor Epoxide	1	94.59	0.0006	ND	NLE
Endosulfan I	1	94.59	0.0005	ND	NLE
4,4'-DDE	5	94.59	0.0019	0.166	2
Dieldrin	1	94.59	0.0005	ND	0.042
Endrin	1	94.59	0.0005	ND	17
Endosulfan II	1	94.59	0.0004	ND	NLE
4,4'-DDD	20	94.59	0.0117	1.766	3
Endrin Aldehyde	1	94.59	0.0005	ND	NLE
4,4'-DDT	5	94.59	0.0054	0.200	2
Endosulfan-Sulfate	1	94.59	0.0004	ND	NLE
gamma -Chlordane	1	94.59	0.0005	ND	NLE
alpha-Chlordane	1	94.59	0.0005	ND	NLE
Toxaphene	1	94.59	0.0003	ND	0.1
Arochlor 1016	1	94.59	0.0109	ND	0.49
Arochlor 1221	1	94.59	0.0201	ND	0.49
Arochlor 1232	1	94.59	0.0136	ND	0.49
Arochlor 1242	1	94.59	0.0156	ND	0.49
Arochlor 1248	1	94.59	0.0062	ND	0.49
Arochlor 1254	1	94.59	0.0039	ND	0.49
Arochlor 1260	1	94.59	0.0035	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4760.02
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/30/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/27/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	74

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.54	0.0003	ND	NLE
beta-BHC	1	89.54	0.0003	ND	NLE
gamma-BHC	1	89.54	0.0004	ND	0.52
delta-BHC	1	89.54	0.0004	ND	NLE
Heptachlor	1	89.54	0.0003	ND	0.15
Aldrin	1	89.54	0.0004	ND	0.04
Heptachlor Epoxide	1	89.54	0.0006	ND	NLE
Endosulfan I	1	89.54	0.0005	ND	NLE
4,4'-DDE	1	89.54	0.0004	0.039	2
Dieldrin	1	89.54	0.0005	ND	0.042
Endrin	1	89.54	0.0005	ND	17
Endosulfan II	1	89.54	0.0004	ND	NLE
4,4'-DDD	1	89.54	0.0006	0.012	3
Endrin Aldehyde	1	89.54	0.0005	ND	NLE
4,4'-DDT	2	89.54	0.0024	0.085	2
Endosulfan-Sulfate	1	89.54	0.0004	ND	NLE
gamma -Chlordane	1	89.54	0.0005	ND	NLE
alpha-Chlordane	1	89.54	0.0005	ND	NLE
Toxaphene	1	89.54	0.0003	ND	0.1
Arochlor 1016	1	89.54	0.0121	ND	0.49
Arochlor 1221	1	89.54	0.0222	ND	0.49
Arochlor 1232	1	89.54	0.0151	ND	0.49
Arochlor 1242	1	89.54	0.0173	ND	0.49
Arochlor 1248	1	89.54	0.0069	ND	0.49
Arochlor 1254	1	89.54	0.0043	ND	0.49
Arochlor 1260	1	89.54	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4760.04
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/30/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/27/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	75

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	86.21	0.0003	ND	NLE
beta-BHC	1	86.21	0.0003	ND	NLE
gamma-BHC	1	86.21	0.0004	ND	0.52
delta-BHC	1	86.21	0.0004	ND	NLE
Heptachlor	1	86.21	0.0003	ND	0.15
Aldrin	1	86.21	0.0004	ND	0.04
Heptachlor Epoxide	1	86.21	0.0007	ND	NLE
Endosulfan I	1	86.21	0.0006	ND	NLE
4,4'-DDE	10	86.21	0.0044	0.491	2
Dieldrin	1	86.21	0.0006	ND	0.042
Endrin	1	86.21	0.0006	ND	17
Endosulfan II	1	86.21	0.0004	ND	NLE
4,4'-DDD	10	86.21	0.0066	0.689	3
Endrin Aldehyde	1	86.21	0.0006	ND	NLE
4,4'-DDT	10	86.21	0.0121	0.156	2
Endosulfan-Sulfate	1	86.21	0.0004	ND	NLE
gamma -Chlordane	1	86.21	0.0006	ND	NLE
alpha-Chlordane	1	86.21	0.0006	ND	NLE
Toxaphene	1	86.21	0.0003	ND	0.1
Arochlor 1016	1	86.21	0.0123	ND	0.49
Arochlor 1221	1	86.21	0.0227	ND	0.49
Arochlor 1232	1	86.21	0.0154	ND	0.49
Arochlor 1242	1	86.21	0.0176	ND	0.49
Arochlor 1248	1	86.21	0.0070	ND	0.49
Arochlor 1254	1	86.21	0.0044	ND	0.49
Arochlor 1260	1	86.21	0.0040	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4760.06
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/30/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/27/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	76

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	91.55	0.0003	ND	NLE
beta-BHC	1	91.55	0.0003	ND	NLE
gamma-BHC	1	91.55	0.0004	ND	0.52
delta-BHC	1	91.55	0.0004	ND	NLE
Heptachlor	1	91.55	0.0003	ND	0.15
Aldrin	1	91.55	0.0004	ND	0.04
Heptachlor Epoxide	1	91.55	0.0006	ND	NLE
Endosulfan I	1	91.55	0.0005	ND	NLE
4,4'-DDE	10	91.55	0.0043	0.137	2
Dieldrin	1	91.55	0.0005	ND	0.042
Endrin	1	91.55	0.0005	ND	17
Endosulfan II	1	91.55	0.0004	ND	NLE
4,4'-DDD	10	91.55	0.0065	0.115	3
Endrin Aldehyde	1	91.55	0.0005	ND	NLE
4,4'-DDT	10	91.55	0.0119	0.246	2
Endosulfan-Sulfate	1	91.55	0.0004	ND	NLE
gamma -Chlordane	1	91.55	0.0005	ND	NLE
alpha-Chlordane	1	91.55	0.0005	ND	NLE
Toxaphene	1	91.55	0.0003	ND	0.1
Arochlor 1016	1	91.55	0.0121	ND	0.49
Arochlor 1221	1	91.55	0.0223	ND	0.49
Arochlor 1232	1	91.55	0.0151	ND	0.49
Arochlor 1242	1	91.55	0.0173	ND	0.49
Arochlor 1248	1	91.55	0.0069	ND	0.49
Arochlor 1254	1	91.55	0.0043	ND	0.49
Arochlor 1260	1	91.55	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4760.08
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/30/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/27/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	77

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	87.59	0.0003	ND	NLE
beta-BHC	1	87.59	0.0003	ND	NLE
gamma-BHC	1	87.59	0.0004	ND	0.52
delta-BHC	1	87.59	0.0004	ND	NLE
Heptachlor	1	87.59	0.0003	ND	0.15
Aldrin	1	87.59	0.0004	ND	0.04
Heptachlor Epoxide	1	87.59	0.0007	ND	NLE
Endosulfan I	1	87.59	0.0005	ND	NLE
4,4'-DDE	1	87.59	0.0004	ND	2
Dieldrin	1	87.59	0.0005	ND	0.042
Endrin	1	87.59	0.0005	ND	17
Endosulfan II	1	87.59	0.0004	ND	NLE
4,4'-DDD	1	87.59	0.0007	ND	3
Endrin Aldehyde	1	87.59	0.0005	ND	NLE
4,4'-DDT	1	87.59	0.0012	0.003	2
Endosulfan-Sulfate	1	87.59	0.0004	ND	NLE
gamma -Chlordane	1	87.59	0.0005	ND	NLE
alpha-Chlordane	1	87.59	0.0005	ND	NLE
Toxaphene	1	87.59	0.0003	ND	0.1
Arochlor 1016	1	87.59	0.0121	ND	0.49
Arochlor 1221	1	87.59	0.0223	ND	0.49
Arochlor 1232	1	87.59	0.0152	ND	0.49
Arochlor 1242	1	87.59	0.0173	ND	0.49
Arochlor 1248	1	87.59	0.0069	ND	0.49
Arochlor 1254	1	87.59	0.0043	ND	0.49
Arochlor 1260	1	87.59	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4760.10
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/30/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/27/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	78

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	86.82	0.0003	ND	NLE
beta-BHC	1	86.82	0.0003	ND	NLE
gamma-BHC	1	86.82	0.0004	ND	0.52
delta-BHC	1	86.82	0.0004	ND	NLE
Heptachlor	1	86.82	0.0003	ND	0.15
Aldrin	1	86.82	0.0004	ND	0.04
Heptachlor Epoxide	1	86.82	0.0007	ND	NLE
Endosulfan I	1	86.82	0.0005	ND	NLE
4,4'-DDE	1	86.82	0.0004	0.001	2
Dieldrin	1	86.82	0.0005	ND	0.042
Endrin	1	86.82	0.0005	ND	17
Endosulfan II	1	86.82	0.0004	ND	NLE
4,4'-DDD	1	86.82	0.0007	ND	3
Endrin Aldehyde	1	86.82	0.0005	ND	NLE
4,4'-DDT	1	86.82	0.0012	0.003	2
Endosulfan-Sulfate	1	86.82	0.0004	ND	NLE
gamma -Chlordane	1	86.82	0.0005	ND	NLE
alpha-Chlordane	1	86.82	0.0005	ND	NLE
Toxaphene	1	86.82	0.0003	ND	0.1
Arochlor 1016	1	86.82	0.0122	ND	0.49
Arochlor 1221	1	86.82	0.0224	ND	0.49
Arochlor 1232	1	86.82	0.0152	ND	0.49
Arochlor 1242	1	86.82	0.0174	ND	0.49
Arochlor 1248	1	86.82	0.0070	ND	0.49
Arochlor 1254	1	86.82	0.0043	ND	0.49
Arochlor 1260	1	86.82	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4760.12
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/30/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/27/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	79

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	82.10	0.0004	ND	NLE
beta-BHC	1	82.10	0.0004	ND	NLE
gamma-BHC	1	82.10	0.0005	ND	0.52
delta-BHC	1	82.10	0.0005	ND	NLE
Heptachlor	1	82.10	0.0004	ND	0.15
Aldrin	1	82.10	0.0005	ND	0.04
Heptachlor Epoxide	1	82.10	0.0007	ND	NLE
Endosulfan I	1	82.10	0.0006	ND	NLE
4,4'-DDE	5	82.10	0.0024	0.097	2
Dieldrin	1	82.10	0.0006	ND	0.042
Endrin	1	82.10	0.0006	ND	17
Endosulfan II	1	82.10	0.0005	ND	NLE
4,4'-DDD	5	82.10	0.0036	0.230	3
Endrin Aldehyde	1	82.10	0.0006	ND	NLE
4,4'-DDT	1	82.10	0.0013	0.054	2
Endosulfan-Sulfate	1	82.10	0.0005	ND	NLE
gamma -Chlordane	1	82.10	0.0006	ND	NLE
alpha-Chlordane	1	82.10	0.0006	ND	NLE
Toxaphene	1	82.10	0.0004	ND	0.1
Arochlor 1016	1	82.10	0.0135	ND	0.49
Arochlor 1221	1	82.10	0.0249	ND	0.49
Arochlor 1232	1	82.10	0.0169	ND	0.49
Arochlor 1242	1	82.10	0.0194	ND	0.49
Arochlor 1248	1	82.10	0.0077	ND	0.49
Arochlor 1254	1	82.10	0.0048	ND	0.49
Arochlor 1260	1	82.10	0.0044	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4760.14
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/30/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/27/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	80

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.08	0.0003	ND	NLE
beta-BHC	1	85.08	0.0003	ND	NLE
gamma-BHC	1	85.08	0.0005	ND	0.52
delta-BHC	1	85.08	0.0005	ND	NLE
Heptachlor	1	85.08	0.0003	ND	0.15
Aldrin	1	85.08	0.0005	ND	0.04
Heptachlor Epoxide	1	85.08	0.0007	ND	NLE
Endosulfan I	1	85.08	0.0006	ND	NLE
4,4'-DDE	1	85.08	0.0005	ND	2
Dieldrin	1	85.08	0.0006	ND	0.042
Endrin	1	85.08	0.0006	ND	17
Endosulfan II	1	85.08	0.0005	ND	NLE
4,4'-DDD	1	85.08	0.0007	ND	3
Endrin Aldehyde	1	85.08	0.0006	ND	NLE
4,4'-DDT	1	85.08	0.0013	ND	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	0.0003	ND	0.1
Arochlor 1016	1	85.08	0.0130	ND	0.49
Arochlor 1221	1	85.08	0.0240	ND	0.49
Arochlor 1232	1	85.08	0.0163	ND	0.49
Arochlor 1242	1	85.08	0.0186	ND	0.49
Arochlor 1248	1	85.08	0.0074	ND	0.49
Arochlor 1254	1	85.08	0.0047	ND	0.49
Arochlor 1260	1	85.08	0.0042	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4760.16
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/30/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/27/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	81

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	81.46	0.0004	ND	NLE
beta-BHC	1	81.46	0.0004	ND	NLE
gamma-BHC	1	81.46	0.0005	ND	0.52
delta-BHC	1	81.46	0.0005	ND	NLE
Heptachlor	1	81.46	0.0004	ND	0.15
Aldrin	1	81.46	0.0005	ND	0.04
Heptachlor Epoxide	1	81.46	0.0007	ND	NLE
Endosulfan I	1	81.46	0.0006	ND	NLE
4,4'-DDE	10	81.46	0.0047	0.751	2
Dieldrin	1	81.46	0.0006	ND	0.042
Endrin	1	81.46	0.0006	ND	17
Endosulfan II	1	81.46	0.0005	ND	NLE
4,4'-DDD	10	81.46	0.0070	0.414	3
Endrin Aldehyde	1	81.46	0.0006	ND	NLE
4,4'-DDT	50	81.46	0.0644	1.980	2
Endosulfan-Sulfate	1	81.46	0.0005	ND	NLE
gamma -Chlordane	1	81.46	0.0006	0.110	NLE
alpha-Chlordane	1	81.46	0.0006	0.063	NLE
Toxaphene	1	81.46	0.0004	ND	0.1
Arochlor 1016	1	81.46	0.0131	ND	0.49
Arochlor 1221	1	81.46	0.0241	ND	0.49
Arochlor 1232	1	81.46	0.0164	ND	0.49
Arochlor 1242	1	81.46	0.0187	ND	0.49
Arochlor 1248	1	81.46	0.0075	ND	0.49
Arochlor 1254	1	81.46	0.0047	ND	0.49
Arochlor 1260	1	81.46	0.0042	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4760.18
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/30/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/28/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	82

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	79.33	0.0004	ND	NLE
beta-BHC	1	79.33	0.0004	ND	NLE
gamma-BHC	1	79.33	0.0005	ND	0.52
delta-BHC	1	79.33	0.0005	ND	NLE
Heptachlor	1	79.33	0.0004	ND	0.15
Aldrin	1	79.33	0.0005	ND	0.04
Heptachlor Epoxide	1	79.33	0.0007	ND	NLE
Endosulfan I	1	79.33	0.0006	ND	NLE
4,4'-DDE	5	79.33	0.0025	0.181	2
Dieldrin	1	79.33	0.0006	ND	0.042
Endrin	1	79.33	0.0006	ND	17
Endosulfan II	1	79.33	0.0005	ND	NLE
4,4'-DDD	5	79.33	0.0037	0.280	3
Endrin Aldehyde	1	79.33	0.0006	ND	NLE
4,4'-DDT	5	79.33	0.0068	0.124	2
Endosulfan-Sulfate	1	79.33	0.0005	ND	NLE
gamma -Chlordane	1	79.33	0.0006	ND	NLE
alpha-Chlordane	1	79.33	0.0006	ND	NLE
Toxaphene	1	79.33	0.0004	ND	0.1
Arochlor 1016	1	79.33	0.0138	ND	0.49
Arochlor 1221	1	79.33	0.0254	ND	0.49
Arochlor 1232	1	79.33	0.0172	ND	0.49
Arochlor 1242	1	79.33	0.0197	ND	0.49
Arochlor 1248	1	79.33	0.0079	ND	0.49
Arochlor 1254	1	79.33	0.0049	ND	0.49
Arochlor 1260	1	79.33	0.0044	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4760.20
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/30/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/28/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	83

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.73	0.0003	ND	NLE
beta-BHC	1	85.73	0.0003	ND	NLE
gamma-BHC	1	85.73	0.0005	ND	0.52
delta-BHC	1	85.73	0.0005	ND	NLE
Heptachlor	1	85.73	0.0003	ND	0.15
Aldrin	1	85.73	0.0005	ND	0.04
Heptachlor Epoxide	1	85.73	0.0007	ND	NLE
Endosulfan I	1	85.73	0.0006	ND	NLE
4,4'-DDE	1	85.73	0.0005	0.003	2
Dieldrin	1	85.73	0.0006	ND	0.042
Endrin	1	85.73	0.0006	ND	17
Endosulfan II	1	85.73	0.0005	ND	NLE
4,4'-DDD	1	85.73	0.0007	ND	3
Endrin Aldehyde	1	85.73	0.0006	ND	NLE
4,4'-DDT	1	85.73	0.0012	0.010	2
Endosulfan-Sulfate	1	85.73	0.0005	ND	NLE
gamma -Chlordane	1	85.73	0.0006	ND	NLE
alpha-Chlordane	1	85.73	0.0006	ND	NLE
Toxaphene	1	85.73	0.0003	ND	0.1
Arochlor 1016	1	85.73	0.0127	ND	0.49
Arochlor 1221	1	85.73	0.0234	ND	0.49
Arochlor 1232	1	85.73	0.0159	ND	0.49
Arochlor 1242	1	85.73	0.0182	ND	0.49
Arochlor 1248	1	85.73	0.0073	ND	0.49
Arochlor 1254	1	85.73	0.0045	ND	0.49
Arochlor 1260	1	85.73	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4760.22
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/30/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/28/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	84

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	82.18	0.0004	ND	NLE
beta-BHC	1	82.18	0.0004	ND	NLE
gamma-BHC	1	82.18	0.0005	ND	0.52
delta-BHC	1	82.18	0.0005	ND	NLE
Heptachlor	1	82.18	0.0004	ND	0.15
Aldrin	1	82.18	0.0005	ND	0.04
Heptachlor Epoxide	1	82.18	0.0007	ND	NLE
Endosulfan I	1	82.18	0.0006	ND	NLE
4,4'-DDE	1	82.18	0.0005	0.017	2
Dieldrin	1	82.18	0.0006	ND	0.042
Endrin	1	82.18	0.0006	ND	17
Endosulfan II	1	82.18	0.0005	ND	NLE
4,4'-DDD	1	82.18	0.0007	0.005	3
Endrin Aldehyde	1	82.18	0.0006	ND	NLE
4,4'-DDT	1	82.18	0.0013	0.076	2
Endosulfan-Sulfate	1	82.18	0.0005	ND	NLE
gamma -Chlordane	1	82.18	0.0006	ND	NLE
alpha-Chlordane	1	82.18	0.0006	ND	NLE
Toxaphene	1	82.18	0.0004	ND	0.1
Arochlor 1016	1	82.18	0.0134	ND	0.49
Arochlor 1221	1	82.18	0.0246	ND	0.49
Arochlor 1232	1	82.18	0.0167	ND	0.49
Arochlor 1242	1	82.18	0.0191	ND	0.49
Arochlor 1248	1	82.18	0.0076	ND	0.49
Arochlor 1254	1	82.18	0.0048	ND	0.49
Arochlor 1260	1	82.18	0.0043	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4760.24
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/30/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/28/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	85

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	93.64	0.0003	ND	NLE
beta-BHC	1	93.64	0.0003	ND	NLE
gamma-BHC	1	93.64	0.0004	ND	0.52
delta-BHC	1	93.64	0.0004	ND	NLE
Heptachlor	1	93.64	0.0003	ND	0.15
Aldrin	1	93.64	0.0004	ND	0.04
Heptachlor Epoxide	1	93.64	0.0006	ND	NLE
Endosulfan I	1	93.64	0.0005	ND	NLE
4,4'-DDE	1	93.64	0.0004	0.061	2
Dieldrin	1	93.64	0.0005	ND	0.042
Endrin	1	93.64	0.0005	ND	17
Endosulfan II	1	93.64	0.0004	ND	NLE
4,4'-DDD	1	93.64	0.0006	0.100	3
Endrin Aldehyde	1	93.64	0.0005	ND	NLE
4,4'-DDT	1	93.64	0.0011	0.043	2
Endosulfan-Sulfate	1	93.64	0.0004	ND	NLE
gamma -Chlordane	1	93.64	0.0005	ND	NLE
alpha-Chlordane	1	93.64	0.0005	ND	NLE
Toxaphene	1	93.64	0.0003	ND	0.1
Arochlor 1016	1	93.64	0.0115	ND	0.49
Arochlor 1221	1	93.64	0.0212	ND	0.49
Arochlor 1232	1	93.64	0.0144	ND	0.49
Arochlor 1242	1	93.64	0.0165	ND	0.49
Arochlor 1248	1	93.64	0.0066	ND	0.49
Arochlor 1254	1	93.64	0.0041	ND	0.49
Arochlor 1260	1	93.64	0.0037	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4760.26
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/30/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/28/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	86

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	91.24	0.0003	ND	NLE
beta-BHC	1	91.24	0.0003	ND	NLE
gamma-BHC	1	91.24	0.0004	ND	0.52
delta-BHC	1	91.24	0.0004	ND	NLE
Heptachlor	1	91.24	0.0003	ND	0.15
Aldrin	1	91.24	0.0004	ND	0.04
Heptachlor Epoxide	1	91.24	0.0006	ND	NLE
Endosulfan I	1	91.24	0.0005	ND	NLE
4,4'-DDE	1	91.24	0.0004	ND	2
Dieldrin	1	91.24	0.0005	ND	0.042
Endrin	1	91.24	0.0005	ND	17
Endosulfan II	1	91.24	0.0004	ND	NLE
4,4'-DDD	1	91.24	0.0006	ND	3
Endrin Aldehyde	1	91.24	0.0005	ND	NLE
4,4'-DDT	1	91.24	0.0011	ND	2
Endosulfan-Sulfate	1	91.24	0.0004	ND	NLE
gamma -Chlordane	1	91.24	0.0005	ND	NLE
alpha-Chlordane	1	91.24	0.0005	ND	NLE
Toxaphene	1	91.24	0.0003	ND	0.1
Arochlor 1016	1	91.24	0.0117	ND	0.49
Arochlor 1221	1	91.24	0.0215	ND	0.49
Arochlor 1232	1	91.24	0.0146	ND	0.49
Arochlor 1242	1	91.24	0.0167	ND	0.49
Arochlor 1248	1	91.24	0.0067	ND	0.49
Arochlor 1254	1	91.24	0.0042	ND	0.49
Arochlor 1260	1	91.24	0.0038	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4760.28
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/30/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/28/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	87

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	86.67	0.0003	ND	NLE
beta-BHC	1	86.67	0.0003	ND	NLE
gamma-BHC	1	86.67	0.0005	ND	0.52
delta-BHC	1	86.67	0.0005	ND	NLE
Heptachlor	1	86.67	0.0003	ND	0.15
Aldrin	1	86.67	0.0005	ND	0.04
Heptachlor Epoxide	1	86.67	0.0007	ND	NLE
Endosulfan I	1	86.67	0.0006	ND	NLE
4,4'-DDE	1	86.67	0.0005	ND	2
Dieldrin	1	86.67	0.0006	ND	0.042
Endrin	1	86.67	0.0006	ND	17
Endosulfan II	1	86.67	0.0005	ND	NLE
4,4'-DDD	1	86.67	0.0007	ND	3
Endrin Aldehyde	1	86.67	0.0006	ND	NLE
4,4'-DDT	1	86.67	0.0013	ND	2
Endosulfan-Sulfate	1	86.67	0.0005	ND	NLE
gamma -Chlordane	1	86.67	0.0006	ND	NLE
alpha-Chlordane	1	86.67	0.0006	ND	NLE
Toxaphene	1	86.67	0.0003	ND	0.1
Arochlor 1016	1	86.67	0.0127	ND	0.49
Arochlor 1221	1	86.67	0.0234	ND	0.49
Arochlor 1232	1	86.67	0.0159	ND	0.49
Arochlor 1242	1	86.67	0.0182	ND	0.49
Arochlor 1248	1	86.67	0.0073	ND	0.49
Arochlor 1254	1	86.67	0.0045	ND	0.49
Arochlor 1260	1	86.67	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4760.30
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/30/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/28/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	88

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	87.90	0.0003	ND	NLE
beta-BHC	1	87.90	0.0003	ND	NLE
gamma-BHC	1	87.90	0.0005	ND	0.52
delta-BHC	1	87.90	0.0005	ND	NLE
Heptachlor	1	87.90	0.0003	ND	0.15
Aldrin	1	87.90	0.0005	ND	0.04
Heptachlor Epoxide	1	87.90	0.0007	ND	NLE
Endosulfan I	1	87.90	0.0006	ND	NLE
4,4'-DDE	10	87.90	0.0046	0.280	2
Dieldrin	1	87.90	0.0006	ND	0.042
Endrin	1	87.90	0.0006	ND	17
Endosulfan II	1	87.90	0.0005	ND	NLE
4,4'-DDD	10	87.90	0.0068	0.659	3
Endrin Aldehyde	1	87.90	0.0006	ND	NLE
4,4'-DDT	10	87.90	0.0125	0.077	2
Endosulfan-Sulfate	1	87.90	0.0005	ND	NLE
gamma -Chlordane	1	87.90	0.0006	ND	NLE
alpha-Chlordane	1	87.90	0.0006	ND	NLE
Toxaphene	1	87.90	0.0003	ND	0.1
Arochlor 1016	1	87.90	0.0127	ND	0.49
Arochlor 1221	1	87.90	0.0234	ND	0.49
Arochlor 1232	1	87.90	0.0159	ND	0.49
Arochlor 1242	1	87.90	0.0182	ND	0.49
Arochlor 1248	1	87.90	0.0073	ND	0.49
Arochlor 1254	1	87.90	0.0046	ND	0.49
Arochlor 1260	1	87.90	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4762.02
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/31/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/28/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	89

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	86.33	0.0003	ND	NLE
beta-BHC	1	86.33	0.0003	ND	NLE
gamma-BHC	1	86.33	0.0005	ND	0.52
delta-BHC	1	86.33	0.0005	ND	NLE
Heptachlor	1	86.33	0.0003	ND	0.15
Aldrin	1	86.33	0.0005	ND	0.04
Heptachlor Epoxide	1	86.33	0.0007	ND	NLE
Endosulfan I	1	86.33	0.0006	ND	NLE
4,4'-DDE	1	86.33	0.0005	0.103	2
Dieldrin	1	86.33	0.0006	ND	0.042
Endrin	1	86.33	0.0006	ND	17
Endosulfan II	1	86.33	0.0005	ND	NLE
4,4'-DDD	1	86.33	0.0007	0.111	3
Endrin Aldehyde	1	86.33	0.0006	ND	NLE
4,4'-DDT	2	86.33	0.0025	0.125	2
Endosulfan-Sulfate	1	86.33	0.0005	ND	NLE
gamma -Chlordane	1	86.33	0.0006	ND	NLE
alpha-Chlordane	1	86.33	0.0006	ND	NLE
Toxaphene	1	86.33	0.0003	ND	0.1
Arochlor 1016	1	86.33	0.0129	ND	0.49
Arochlor 1221	1	86.33	0.0238	ND	0.49
Arochlor 1232	1	86.33	0.0162	ND	0.49
Arochlor 1242	1	86.33	0.0185	ND	0.49
Arochlor 1248	1	86.33	0.0074	ND	0.49
Arochlor 1254	1	86.33	0.0046	ND	0.49
Arochlor 1260	1	86.33	0.0042	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4762.04
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/31/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/28/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	90

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	94.58	0.0003	ND	NLE
beta-BHC	1	94.58	0.0003	ND	NLE
gamma-BHC	1	94.58	0.0004	ND	0.52
delta-BHC	1	94.58	0.0004	ND	NLE
Heptachlor	1	94.58	0.0003	ND	0.15
Aldrin	1	94.58	0.0004	ND	0.04
Heptachlor Epoxide	1	94.58	0.0006	ND	NLE
Endosulfan I	1	94.58	0.0005	ND	NLE
4,4'-DDE	1	94.58	0.0004	0.004	2
Dieldrin	1	94.58	0.0005	ND	0.042
Endrin	1	94.58	0.0005	ND	17
Endosulfan II	1	94.58	0.0004	ND	NLE
4,4'-DDD	1	94.58	0.0006	0.022	3
Endrin Aldehyde	1	94.58	0.0005	ND	NLE
4,4'-DDT	1	94.58	0.0011	0.003	2
Endosulfan-Sulfate	1	94.58	0.0004	ND	NLE
gamma -Chlordane	1	94.58	0.0005	ND	NLE
alpha-Chlordane	1	94.58	0.0005	ND	NLE
Toxaphene	1	94.58	0.0003	ND	0.1
Arochlor 1016	1	94.58	0.0116	ND	0.49
Arochlor 1221	1	94.58	0.0213	ND	0.49
Arochlor 1232	1	94.58	0.0145	ND	0.49
Arochlor 1242	1	94.58	0.0166	ND	0.49
Arochlor 1248	1	94.58	0.0066	ND	0.49
Arochlor 1254	1	94.58	0.0041	ND	0.49
Arochlor 1260	1	94.58	0.0037	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4762.06
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/31/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/28/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	91

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	87.31	0.0003	ND	NLE
beta-BHC	1	87.31	0.0003	ND	NLE
gamma-BHC	1	87.31	0.0005	ND	0.52
delta-BHC	1	87.31	0.0005	ND	NLE
Heptachlor	1	87.31	0.0003	ND	0.15
Aldrin	1	87.31	0.0005	ND	0.04
Heptachlor Epoxide	1	87.31	0.0007	ND	NLE
Endosulfan I	1	87.31	0.0006	ND	NLE
4,4'-DDE	1	87.31	0.0005	0.016	2
Dieldrin	1	87.31	0.0006	ND	0.042
Endrin	1	87.31	0.0006	ND	17
Endosulfan II	1	87.31	0.0005	ND	NLE
4,4'-DDD	1	87.31	0.0007	0.048	3
Endrin Aldehyde	1	87.31	0.0006	ND	NLE
4,4'-DDT	1	87.31	0.0012	0.015	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	0.0003	ND	0.1
Arochlor 1016	1	87.31	0.0127	ND	0.49
Arochlor 1221	1	87.31	0.0233	ND	0.49
Arochlor 1232	1	87.31	0.0158	ND	0.49
Arochlor 1242	1	87.31	0.0181	ND	0.49
Arochlor 1248	1	87.31	0.0072	ND	0.49
Arochlor 1254	1	87.31	0.0045	ND	0.49
Arochlor 1260	1	87.31	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4762.08
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/31/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/28/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	92

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.30	0.0003	ND	NLE
beta-BHC	1	85.30	0.0003	ND	NLE
gamma-BHC	1	85.30	0.0005	ND	0.52
delta-BHC	1	85.30	0.0005	ND	NLE
Heptachlor	1	85.30	0.0003	ND	0.15
Aldrin	1	85.30	0.0005	ND	0.04
Heptachlor Epoxide	1	85.30	0.0007	ND	NLE
Endosulfan I	1	85.30	0.0006	ND	NLE
4,4'-DDE	1	85.30	0.0005	0.003	2
Dieldrin	1	85.30	0.0006	ND	0.042
Endrin	1	85.30	0.0006	ND	17
Endosulfan II	1	85.30	0.0005	ND	NLE
4,4'-DDD	1	85.30	0.0007	0.002	3
Endrin Aldehyde	1	85.30	0.0006	ND	NLE
4,4'-DDT	1	85.30	0.0013	0.006	2
Endosulfan-Sulfate	1	85.30	0.0005	ND	NLE
gamma -Chlordane	1	85.30	0.0006	ND	NLE
alpha-Chlordane	1	85.30	0.0006	ND	NLE
Toxaphene	1	85.30	0.0003	ND	0.1
Arochlor 1016	1	85.30	0.0128	ND	0.49
Arochlor 1221	1	85.30	0.0235	ND	0.49
Arochlor 1232	1	85.30	0.0160	ND	0.49
Arochlor 1242	1	85.30	0.0182	ND	0.49
Arochlor 1248	1	85.30	0.0073	ND	0.49
Arochlor 1254	1	85.30	0.0046	ND	0.49
Arochlor 1260	1	85.30	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4762.10
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/31/99
	Bldg. 173	**Extraction Date:**	9/1/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/28/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	93

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.85	0.0003	ND	NLE
beta-BHC	1	85.85	0.0003	ND	NLE
gamma-BHC	1	85.85	0.0004	ND	0.52
delta-BHC	1	85.85	0.0004	ND	NLE
Heptachlor	1	85.85	0.0003	ND	0.15
Aldrin	1	85.85	0.0004	ND	0.04
Heptachlor Epoxide	1	85.85	0.0007	ND	NLE
Endosulfan I	1	85.85	0.0005	ND	NLE
4,4'-DDE	1	85.85	0.0004	ND	2
Dieldrin	1	85.85	0.0005	ND	0.042
Endrin	1	85.85	0.0005	ND	17
Endosulfan II	1	85.85	0.0004	ND	NLE
4,4'-DDD	1	85.85	0.0007	ND	3
Endrin Aldehyde	1	85.85	0.0005	ND	NLE
4,4'-DDT	1	85.85	0.0012	ND	2
Endosulfan-Sulfate	1	85.85	0.0004	ND	NLE
gamma -Chlordane	1	85.85	0.0005	ND	NLE
alpha-Chlordane	1	85.85	0.0005	ND	NLE
Toxaphene	1	85.85	0.0003	ND	0.1
Arochlor 1016	1	85.85	0.0122	ND	0.49
Arochlor 1221	1	85.85	0.0224	ND	0.49
Arochlor 1232	1	85.85	0.0152	ND	0.49
Arochlor 1242	1	85.85	0.0174	ND	0.49
Arochlor 1248	1	85.85	0.0070	ND	0.49
Arochlor 1254	1	85.85	0.0044	ND	0.49
Arochlor 1260	1	85.85	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4762.12
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/31/99
	Bldg. 173	**Extraction Date:**	9/3/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/6/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	94

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	86.23	0.0003	ND	NLE
beta-BHC	1	86.23	0.0003	ND	NLE
gamma-BHC	1	86.23	0.0004	ND	0.52
delta-BHC	1	86.23	0.0004	ND	NLE
Heptachlor	1	86.23	0.0003	ND	0.15
Aldrin	1	86.23	0.0004	ND	0.04
Heptachlor Epoxide	1	86.23	0.0006	ND	NLE
Endosulfan I	1	86.23	0.0005	ND	NLE
4,4'-DDE	1	86.23	0.0004	0.008	2
Dieldrin	1	86.23	0.0005	ND	0.042
Endrin	1	86.23	0.0005	ND	17
Endosulfan II	1	86.23	0.0004	ND	NLE
4,4'-DDD	1	86.23	0.0006	0.010	3
Endrin Aldehyde	1	86.23	0.0005	ND	NLE
4,4'-DDT	1	86.23	0.0012	0.002	2
Endosulfan-Sulfate	1	86.23	0.0004	ND	NLE
gamma -Chlordane	1	86.23	0.0005	ND	NLE
alpha-Chlordane	1	86.23	0.0005	ND	NLE
Toxaphene	1	86.23	0.0003	ND	0.1
Arochlor 1016	1	86.23	0.0119	ND	0.49
Arochlor 1221	1	86.23	0.0219	ND	0.49
Arochlor 1232	1	86.23	0.0149	ND	0.49
Arochlor 1242	1	86.23	0.0170	ND	0.49
Arochlor 1248	1	86.23	0.0068	ND	0.49
Arochlor 1254	1	86.23	0.0042	ND	0.49
Arochlor 1260	1	86.23	0.0038	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4762.14
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/31/99
	Bldg. 173	**Extraction Date:**	9/3/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/6/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	95

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.38	0.0003	ND	NLE
beta-BHC	1	89.38	0.0003	ND	NLE
gamma-BHC	1	89.38	0.0004	ND	0.52
delta-BHC	1	89.38	0.0004	ND	NLE
Heptachlor	1	89.38	0.0003	ND	0.15
Aldrin	1	89.38	0.0004	ND	0.04
Heptachlor Epoxide	1	89.38	0.0007	ND	NLE
Endosulfan I	1	89.38	0.0005	ND	NLE
4,4'-DDE	1	89.38	0.0004	0.087	2
Dieldrin	1	89.38	0.0005	ND	0.042
Endrin	1	89.38	0.0005	ND	17
Endosulfan II	1	89.38	0.0004	ND	NLE
4,4'-DDD	2	89.38	0.0013	0.124	3
Endrin Aldehyde	1	89.38	0.0005	ND	NLE
4,4'-DDT	2	89.38	0.0024	0.157	2
Endosulfan-Sulfate	1	89.38	0.0004	ND	NLE
gamma -Chlordane	1	89.38	0.0005	ND	NLE
alpha-Chlordane	1	89.38	0.0005	ND	NLE
Toxaphene	1	89.38	0.0003	ND	0.1
Arochlor 1016	1	89.38	0.0122	ND	0.49
Arochlor 1221	1	89.38	0.0225	ND	0.49
Arochlor 1232	1	89.38	0.0153	ND	0.49
Arochlor 1242	1	89.38	0.0175	ND	0.49
Arochlor 1248	1	89.38	0.0070	ND	0.49
Arochlor 1254	1	89.38	0.0044	ND	0.49
Arochlor 1260	1	89.38	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4762.16
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/31/99
	Bldg. 173	**Extraction Date:**	9/3/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/6/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	96

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	80.91	0.0004	ND	NLE
beta-BHC	1	80.91	0.0004	ND	NLE
gamma-BHC	1	80.91	0.0005	ND	0.52
delta-BHC	1	80.91	0.0005	ND	NLE
Heptachlor	1	80.91	0.0004	ND	0.15
Aldrin	1	80.91	0.0005	ND	0.04
Heptachlor Epoxide	1	80.91	0.0007	ND	NLE
Endosulfan I	1	80.91	0.0006	ND	NLE
4,4'-DDE	20	80.91	0.0097	0.492	2
Dieldrin	1	80.91	0.0006	ND	0.042
Endrin	1	80.91	0.0006	ND	17
Endosulfan II	1	80.91	0.0005	ND	NLE
4,4'-DDD	20	80.91	0.0146	1.165	3
Endrin Aldehyde	1	80.91	0.0006	ND	NLE
4,4'-DDT	20	80.91	0.0267	0.699	2
Endosulfan-Sulfate	1	80.91	0.0005	ND	NLE
gamma -Chlordane	1	80.91	0.0006	ND	NLE
alpha-Chlordane	1	80.91	0.0006	ND	NLE
Toxaphene	1	80.91	0.0004	ND	0.1
Arochlor 1016	1	80.91	0.0136	ND	0.49
Arochlor 1221	1	80.91	0.0250	ND	0.49
Arochlor 1232	1	80.91	0.0170	ND	0.49
Arochlor 1242	1	80.91	0.0194	ND	0.49
Arochlor 1248	1	80.91	0.0078	ND	0.49
Arochlor 1254	1	80.91	0.0049	ND	0.49
Arochlor 1260	1	80.91	0.0044	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4762.18
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/31/99
	Bldg. 173	**Extraction Date:**	9/3/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/6/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	97

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	83.57	0.0003	ND	NLE
beta-BHC	1	83.57	0.0003	ND	NLE
gamma-BHC	1	83.57	0.0005	ND	0.52
delta-BHC	1	83.57	0.0005	ND	NLE
Heptachlor	1	83.57	0.0003	ND	0.15
Aldrin	1	83.57	0.0005	ND	0.04
Heptachlor Epoxide	1	83.57	0.0007	ND	NLE
Endosulfan I	1	83.57	0.0006	ND	NLE
4,4'-DDE	1	83.57	0.0005	0.003	2
Dieldrin	1	83.57	0.0006	ND	0.042
Endrin	1	83.57	0.0006	ND	17
Endosulfan II	1	83.57	0.0005	ND	NLE
4,4'-DDD	1	83.57	0.0007	ND	3
Endrin Aldehyde	1	83.57	0.0006	ND	NLE
4,4'-DDT	1	83.57	0.0013	0.014	2
Endosulfan-Sulfate	1	83.57	0.0005	ND	NLE
gamma -Chlordane	1	83.57	0.0006	ND	NLE
alpha-Chlordane	1	83.57	0.0006	ND	NLE
Toxaphene	1	83.57	0.0003	ND	0.1
Arochlor 1016	1	83.57	0.0129	ND	0.49
Arochlor 1221	1	83.57	0.0237	ND	0.49
Arochlor 1232	1	83.57	0.0161	ND	0.49
Arochlor 1242	1	83.57	0.0184	ND	0.49
Arochlor 1248	1	83.57	0.0074	ND	0.49
Arochlor 1254	1	83.57	0.0046	ND	0.49
Arochlor 1260	1	83.57	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4762.20
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/31/99
	Bldg. 173	**Extraction Date:**	9/3/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/7/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	98

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.42	0.0003	ND	NLE
beta-BHC	1	89.42	0.0003	ND	NLE
gamma-BHC	1	89.42	0.0004	ND	0.52
delta-BHC	1	89.42	0.0004	ND	NLE
Heptachlor	1	89.42	0.0003	ND	0.15
Aldrin	1	89.42	0.0004	ND	0.04
Heptachlor Epoxide	1	89.42	0.0006	ND	NLE
Endosulfan I	1	89.42	0.0005	ND	NLE
4,4'-DDE	1	89.42	0.0004	0.045	2
Dieldrin	1	89.42	0.0005	0.002	0.042
Endrin	1	89.42	0.0005	ND	17
Endosulfan II	1	89.42	0.0004	ND	NLE
4,4'-DDD	1	89.42	0.0006	0.069	3
Endrin Aldehyde	1	89.42	0.0005	ND	NLE
4,4'-DDT	2	89.42	0.0023	0.148	2
Endosulfan-Sulfate	1	89.42	0.0004	ND	NLE
gamma -Chlordane	1	89.42	0.0005	ND	NLE
alpha-Chlordane	1	89.42	0.0005	ND	NLE
Toxaphene	1	89.42	0.0003	ND	0.1
Arochlor 1016	1	89.42	0.0118	ND	0.49
Arochlor 1221	1	89.42	0.0218	ND	0.49
Arochlor 1232	1	89.42	0.0148	ND	0.49
Arochlor 1242	1	89.42	0.0169	ND	0.49
Arochlor 1248	1	89.42	0.0068	ND	0.49
Arochlor 1254	1	89.42	0.0042	ND	0.49
Arochlor 1260	1	89.42	0.0038	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4762.22
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/31/99
	Bldg. 173	**Extraction Date:**	9/3/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/7/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	99

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	93.35	0.0003	ND	NLE
beta-BHC	1	93.35	0.0003	ND	NLE
gamma-BHC	1	93.35	0.0004	ND	0.52
delta-BHC	1	93.35	0.0004	ND	NLE
Heptachlor	1	93.35	0.0003	ND	0.15
Aldrin	1	93.35	0.0004	ND	0.04
Heptachlor Epoxide	1	93.35	0.0006	ND	NLE
Endosulfan I	1	93.35	0.0005	ND	NLE
4,4'-DDE	1	93.35	0.0004	0.021	2
Dieldrin	1	93.35	0.0005	ND	0.042
Endrin	1	93.35	0.0005	ND	17
Endosulfan II	1	93.35	0.0004	ND	NLE
4,4'-DDD	1	93.35	0.0006	0.006	3
Endrin Aldehyde	1	93.35	0.0005	ND	NLE
4,4'-DDT	1	93.35	0.0011	0.006	2
Endosulfan-Sulfate	1	93.35	0.0004	ND	NLE
gamma -Chlordane	1	93.35	0.0005	ND	NLE
alpha-Chlordane	1	93.35	0.0005	ND	NLE
Toxaphene	1	93.35	0.0003	ND	0.1
Arochlor 1016	1	93.35	0.0109	ND	0.49
Arochlor 1221	1	93.35	0.0201	ND	0.49
Arochlor 1232	1	93.35	0.0136	ND	0.49
Arochlor 1242	1	93.35	0.0156	ND	0.49
Arochlor 1248	1	93.35	0.0062	ND	0.49
Arochlor 1254	1	93.35	0.0039	ND	0.49
Arochlor 1260	1	93.35	0.0035	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4762.24
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/31/99
	Bldg. 173	**Extraction Date:**	9/3/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/7/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	100

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.55	0.0004	ND	NLE
beta-BHC	1	84.55	0.0004	ND	NLE
gamma-BHC	1	84.55	0.0005	ND	0.52
delta-BHC	1	84.55	0.0005	ND	NLE
Heptachlor	1	84.55	0.0004	ND	0.15
Aldrin	1	84.55	0.0005	ND	0.04
Heptachlor Epoxide	1	84.55	0.0007	ND	NLE
Endosulfan I	1	84.55	0.0006	ND	NLE
4,4'-DDE	1	84.55	0.0005	0.012	2
Dieldrin	1	84.55	0.0006	ND	0.042
Endrin	1	84.55	0.0006	ND	17
Endosulfan II	1	84.55	0.0005	ND	NLE
4,4'-DDD	1	84.55	0.0007	0.011	3
Endrin Aldehyde	1	84.55	0.0006	ND	NLE
4,4'-DDT	1	84.55	0.0013	0.007	2
Endosulfan-Sulfate	1	84.55	0.0005	ND	NLE
gamma -Chlordane	1	84.55	0.0006	ND	NLE
alpha-Chlordane	1	84.55	0.0006	ND	NLE
Toxaphene	1	84.55	0.0004	ND	0.1
Arochlor 1016	1	84.55	0.0131	ND	0.49
Arochlor 1221	1	84.55	0.0241	ND	0.49
Arochlor 1232	1	84.55	0.0164	ND	0.49
Arochlor 1242	1	84.55	0.0187	ND	0.49
Arochlor 1248	1	84.55	0.0075	ND	0.49
Arochlor 1254	1	84.55	0.0047	ND	0.49
Arochlor 1260	1	84.55	0.0042	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4762.26
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/31/99
	Bldg. 173	**Extraction Date:**	9/3/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/7/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	101

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.89	0.0003	ND	NLE
beta-BHC	1	85.89	0.0003	ND	NLE
gamma-BHC	1	85.89	0.0005	ND	0.52
delta-BHC	1	85.89	0.0005	ND	NLE
Heptachlor	1	85.89	0.0003	ND	0.15
Aldrin	1	85.89	0.0005	ND	0.04
Heptachlor Epoxide	1	85.89	0.0007	ND	NLE
Endosulfan I	1	85.89	0.0006	ND	NLE
4,4'-DDE	1	85.89	0.0005	ND	2
Dieldrin	1	85.89	0.0006	ND	0.042
Endrin	1	85.89	0.0006	ND	17
Endosulfan II	1	85.89	0.0005	ND	NLE
4,4'-DDD	1	85.89	0.0007	ND	3
Endrin Aldehyde	1	85.89	0.0006	ND	NLE
4,4'-DDT	1	85.89	0.0013	ND	2
Endosulfan-Sulfate	1	85.89	0.0005	ND	NLE
gamma -Chlordane	1	85.89	0.0006	ND	NLE
alpha-Chlordane	1	85.89	0.0006	ND	NLE
Toxaphene	1	85.89	0.0003	ND	0.1
Arochlor 1016	1	85.89	0.0128	ND	0.49
Arochlor 1221	1	85.89	0.0236	ND	0.49
Arochlor 1232	1	85.89	0.0160	ND	0.49
Arochlor 1242	1	85.89	0.0183	ND	0.49
Arochlor 1248	1	85.89	0.0073	ND	0.49
Arochlor 1254	1	85.89	0.0046	ND	0.49
Arochlor 1260	1	85.89	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4762.28
	DPW. SELFM-PW-EV	**Date Rec'd:**	8/31/99
	Bldg. 173	**Extraction Date:**	9/3/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/7/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	102

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.67	0.0004	ND	NLE
beta-BHC	1	84.67	0.0004	ND	NLE
gamma-BHC	1	84.67	0.0005	ND	0.52
delta-BHC	1	84.67	0.0005	ND	NLE
Heptachlor	1	84.67	0.0004	ND	0.15
Aldrin	1	84.67	0.0005	ND	0.04
Heptachlor Epoxide	1	84.67	0.0007	ND	NLE
Endosulfan I	1	84.67	0.0006	ND	NLE
4,4'-DDE	1	84.67	0.0005	0.010	2
Dieldrin	1	84.67	0.0006	ND	0.042
Endrin	1	84.67	0.0006	ND	17
Endosulfan II	1	84.67	0.0005	ND	NLE
4,4'-DDD	1	84.67	0.0007	0.007	3
Endrin Aldehyde	1	84.67	0.0006	ND	NLE
4,4'-DDT	1	84.67	0.0013	ND	2
Endosulfan-Sulfate	1	84.67	0.0005	ND	NLE
gamma -Chlordane	1	84.67	0.0006	ND	NLE
alpha-Chlordane	1	84.67	0.0006	ND	NLE
Toxaphene	1	84.67	0.0004	ND	0.1
Arochlor 1016	1	84.67	0.0131	ND	0.49
Arochlor 1221	1	84.67	0.0242	ND	0.49
Arochlor 1232	1	84.67	0.0164	ND	0.49
Arochlor 1242	1	84.67	0.0188	ND	0.49
Arochlor 1248	1	84.67	0.0075	ND	0.49
Arochlor 1254	1	84.67	0.0047	ND	0.49
Arochlor 1260	1	84.67	0.0042	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4774.02
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/7/99
	Bldg. 173	**Extraction Date:**	9/10/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/15/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	103

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	87.49	0.0003	ND	NLE
beta-BHC	1	87.49	0.0003	ND	NLE
gamma-BHC	1	87.49	0.0004	ND	0.52
delta-BHC	1	87.49	0.0004	ND	NLE
Heptachlor	1	87.49	0.0003	ND	0.15
Aldrin	1	87.49	0.0004	ND	0.04
Heptachlor Epoxide	1	87.49	0.0007	ND	NLE
Endosulfan I	1	87.49	0.0005	ND	NLE
4,4'-DDE	10	87.49	0.0043	0.316	2
Dieldrin	1	87.49	0.0005	ND	0.042
Endrin	1	87.49	0.0005	ND	17
Endosulfan II	1	87.49	0.0004	ND	NLE
4,4'-DDD	10	87.49	0.0065	0.381	3
Endrin Aldehyde	1	87.49	0.0005	ND	NLE
4,4'-DDT	10	87.49	0.0119	0.380	2
Endosulfan-Sulfate	1	87.49	0.0004	ND	NLE
gamma -Chlordane	1	87.49	0.0005	ND	NLE
alpha-Chlordane	1	87.49	0.0005	ND	NLE
Toxaphene	1	87.49	0.0003	ND	0.1
Arochlor 1016	1	87.49	0.0122	ND	0.49
Arochlor 1221	1	87.49	0.0224	ND	0.49
Arochlor 1232	1	87.49	0.0152	ND	0.49
Arochlor 1242	1	87.49	0.0174	ND	0.49
Arochlor 1248	1	87.49	0.0069	ND	0.49
Arochlor 1254	1	87.49	0.0043	ND	0.49
Arochlor 1260	1	87.49	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4774.04
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/7/99
	Bldg. 173	**Extraction Date:**	9/10/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/15/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	104

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	92.82	0.0003	ND	NLE
beta-BHC	1	92.82	0.0003	ND	NLE
gamma-BHC	1	92.82	0.0004	ND	0.52
delta-BHC	1	92.82	0.0004	ND	NLE
Heptachlor	1	92.82	0.0003	ND	0.15
Aldrin	1	92.82	0.0004	ND	0.04
Heptachlor Epoxide	1	92.82	0.0006	ND	NLE
Endosulfan I	1	92.82	0.0005	ND	NLE
4,4'-DDE	1	92.82	0.0004	0.010	2
Dieldrin	1	92.82	0.0005	ND	0.042
Endrin	1	92.82	0.0005	ND	17
Endosulfan II	1	92.82	0.0004	ND	NLE
4,4'-DDD	1	92.82	0.0006	ND	3
Endrin Aldehyde	1	92.82	0.0005	ND	NLE
4,4'-DDT	1	92.82	0.0011	0.051	2
Endosulfan-Sulfate	1	92.82	0.0004	ND	NLE
gamma -Chlordane	1	92.82	0.0005	ND	NLE
alpha-Chlordane	1	92.82	0.0005	ND	NLE
Toxaphene	1	92.82	0.0003	ND	0.1
Arochlor 1016	1	92.82	0.0110	ND	0.49
Arochlor 1221	1	92.82	0.0202	ND	0.49
Arochlor 1232	1	92.82	0.0138	ND	0.49
Arochlor 1242	1	92.82	0.0157	ND	0.49
Arochlor 1248	1	92.82	0.0063	ND	0.49
Arochlor 1254	1	92.82	0.0039	ND	0.49
Arochlor 1260	1	92.82	0.0035	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4774.06
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/7/99
	Bldg. 173	**Extraction Date:**	9/10/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/15/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	105

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	94.31	0.0003	ND	NLE
beta-BHC	1	94.31	0.0003	ND	NLE
gamma-BHC	1	94.31	0.0004	ND	0.52
delta-BHC	1	94.31	0.0004	ND	NLE
Heptachlor	1	94.31	0.0003	ND	0.15
Aldrin	1	94.31	0.0004	ND	0.04
Heptachlor Epoxide	1	94.31	0.0006	ND	NLE
Endosulfan I	1	94.31	0.0005	ND	NLE
4,4'-DDE	1	94.31	0.0004	0.060	2
Dieldrin	1	94.31	0.0005	ND	0.042
Endrin	1	94.31	0.0005	ND	17
Endosulfan II	1	94.31	0.0004	ND	NLE
4,4'-DDD	1	94.31	0.0006	0.081	3
Endrin Aldehyde	1	94.31	0.0005	ND	NLE
4,4'-DDT	10	94.31	0.0116	0.231	2
Endosulfan-Sulfate	1	94.31	0.0004	ND	NLE
gamma -Chlordane	1	94.31	0.0005	ND	NLE
alpha-Chlordane	1	94.31	0.0005	ND	NLE
Toxaphene	1	94.31	0.0003	ND	0.1
Arochlor 1016	1	94.31	0.0118	ND	0.49
Arochlor 1221	1	94.31	0.0218	ND	0.49
Arochlor 1232	1	94.31	0.0148	ND	0.49
Arochlor 1242	1	94.31	0.0169	ND	0.49
Arochlor 1248	1	94.31	0.0068	ND	0.49
Arochlor 1254	1	94.31	0.0042	ND	0.49
Arochlor 1260	1	94.31	0.0038	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4774.08
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/7/99
	Bldg. 173	**Extraction Date:**	9/10/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/15/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	106

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.11	0.0003	ND	NLE
beta-BHC	1	85.11	0.0003	ND	NLE
gamma-BHC	1	85.11	0.0004	ND	0.52
delta-BHC	1	85.11	0.0004	ND	NLE
Heptachlor	1	85.11	0.0003	ND	0.15
Aldrin	1	85.11	0.0004	ND	0.04
Heptachlor Epoxide	1	85.11	0.0006	ND	NLE
Endosulfan I	1	85.11	0.0005	ND	NLE
4,4'-DDE	1	85.11	0.0004	0.076	2
Dieldrin	1	85.11	0.0005	ND	0.042
Endrin	1	85.11	0.0005	ND	17
Endosulfan II	1	85.11	0.0004	ND	NLE
4,4'-DDD	1	85.11	0.0006	0.050	3
Endrin Aldehyde	1	85.11	0.0005	ND	NLE
4,4'-DDT	1	85.11	0.0012	0.085	2
Endosulfan-Sulfate	1	85.11	0.0004	ND	NLE
gamma -Chlordane	1	85.11	0.0005	ND	NLE
alpha-Chlordane	1	85.11	0.0005	ND	NLE
Toxaphene	1	85.11	0.0003	ND	0.1
Arochlor 1016	1	85.11	0.0121	ND	0.49
Arochlor 1221	1	85.11	0.0222	ND	0.49
Arochlor 1232	1	85.11	0.0151	ND	0.49
Arochlor 1242	1	85.11	0.0173	ND	0.49
Arochlor 1248	1	85.11	0.0069	ND	0.49
Arochlor 1254	1	85.11	0.0043	ND	0.49
Arochlor 1260	1	85.11	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4774.10
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/7/99
	Bldg. 173	**Extraction Date:**	9/10/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/15/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	107

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	87.70	0.0003	ND	NLE
beta-BHC	1	87.70	0.0003	ND	NLE
gamma-BHC	1	87.70	0.0004	ND	0.52
delta-BHC	1	87.70	0.0004	ND	NLE
Heptachlor	1	87.70	0.0003	ND	0.15
Aldrin	1	87.70	0.0004	ND	0.04
Heptachlor Epoxide	1	87.70	0.0007	ND	NLE
Endosulfan I	1	87.70	0.0006	ND	NLE
4,4'-DDE	1	87.70	0.0004	0.007	2
Dieldrin	1	87.70	0.0006	ND	0.042
Endrin	1	87.70	0.0006	ND	17
Endosulfan II	1	87.70	0.0004	ND	NLE
4,4'-DDD	1	87.70	0.0007	0.003	3
Endrin Aldehyde	1	87.70	0.0006	ND	NLE
4,4'-DDT	1	87.70	0.0012	0.007	2
Endosulfan-Sulfate	1	87.70	0.0004	ND	NLE
gamma -Chlordane	1	87.70	0.0006	ND	NLE
alpha-Chlordane	1	87.70	0.0006	ND	NLE
Toxaphene	1	87.70	0.0003	ND	0.1
Arochlor 1016	1	87.70	0.0125	ND	0.49
Arochlor 1221	1	87.70	0.0231	ND	0.49
Arochlor 1232	1	87.70	0.0157	ND	0.49
Arochlor 1242	1	87.70	0.0179	ND	0.49
Arochlor 1248	1	87.70	0.0072	ND	0.49
Arochlor 1254	1	87.70	0.0045	ND	0.49
Arochlor 1260	1	87.70	0.0040	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4774.12
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/7/99
	Bldg. 173	**Extraction Date:**	9/10/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/15/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	108

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	87.54	0.0003	ND	NLE
beta-BHC	1	87.54	0.0003	ND	NLE
gamma-BHC	1	87.54	0.0004	ND	0.52
delta-BHC	1	87.54	0.0004	ND	NLE
Heptachlor	1	87.54	0.0003	ND	0.15
Aldrin	1	87.54	0.0004	ND	0.04
Heptachlor Epoxide	1	87.54	0.0006	ND	NLE
Endosulfan I	1	87.54	0.0005	ND	NLE
4,4'-DDE	1	87.54	0.0004	ND	2
Dieldrin	1	87.54	0.0005	ND	0.042
Endrin	1	87.54	0.0005	ND	17
Endosulfan II	1	87.54	0.0004	ND	NLE
4,4'-DDD	1	87.54	0.0006	ND	3
Endrin Aldehyde	1	87.54	0.0005	ND	NLE
4,4'-DDT	1	87.54	0.0012	ND	2
Endosulfan-Sulfate	1	87.54	0.0004	ND	NLE
gamma -Chlordane	1	87.54	0.0005	ND	NLE
alpha-Chlordane	1	87.54	0.0005	ND	NLE
Toxaphene	1	87.54	0.0003	ND	0.1
Arochlor 1016	1	87.54	0.0121	ND	0.49
Arochlor 1221	1	87.54	0.0222	ND	0.49
Arochlor 1232	1	87.54	0.0151	ND	0.49
Arochlor 1242	1	87.54	0.0173	ND	0.49
Arochlor 1248	1	87.54	0.0069	ND	0.49
Arochlor 1254	1	87.54	0.0043	ND	0.49
Arochlor 1260	1	87.54	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4774.14
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/7/99
	Bldg. 173	**Extraction Date:**	9/10/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/18/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	109

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.31	0.0003	ND	NLE
beta-BHC	1	84.31	0.0003	ND	NLE
gamma-BHC	1	84.31	0.0004	ND	0.52
delta-BHC	1	84.31	0.0004	ND	NLE
Heptachlor	1	84.31	0.0003	ND	0.15
Aldrin	1	84.31	0.0004	ND	0.04
Heptachlor Epoxide	1	84.31	0.0006	ND	NLE
Endosulfan I	1	84.31	0.0005	ND	NLE
4,4'-DDE	20	84.31	0.0086	0.810	2
Dieldrin	1	84.31	0.0005	0.002	0.042
Endrin	1	84.31	0.0005	ND	17
Endosulfan II	1	84.31	0.0004	ND	NLE
4,4'-DDD	20	84.31	0.0130	1.031	3
Endrin Aldehyde	1	84.31	0.0005	ND	NLE
4,4'-DDT	1	84.31	0.0012	0.030	2
Endosulfan-Sulfate	1	84.31	0.0004	ND	NLE
gamma -Chlordane	1	84.31	0.0005	ND	NLE
alpha-Chlordane	1	84.31	0.0005	ND	NLE
Toxaphene	1	84.31	0.0003	ND	0.1
Arochlor 1016	1	84.31	0.0121	ND	0.49
Arochlor 1221	1	84.31	0.0222	ND	0.49
Arochlor 1232	1	84.31	0.0151	ND	0.49
Arochlor 1242	1	84.31	0.0173	ND	0.49
Arochlor 1248	1	84.31	0.0069	ND	0.49
Arochlor 1254	1	84.31	0.0043	ND	0.49
Arochlor 1260	1	84.31	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4774.16
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/7/99
	Bldg. 173	**Extraction Date:**	9/10/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/18/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	110

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	91.39	0.0003	ND	NLE
beta-BHC	1	91.39	0.0003	ND	NLE
gamma-BHC	1	91.39	0.0004	ND	0.52
delta-BHC	1	91.39	0.0004	ND	NLE
Heptachlor	1	91.39	0.0003	ND	0.15
Aldrin	1	91.39	0.0004	ND	0.04
Heptachlor Epoxide	1	91.39	0.0006	ND	NLE
Endosulfan I	1	91.39	0.0005	ND	NLE
4,4'-DDE	1	91.39	0.0004	0.064	2
Dieldrin	1	91.39	0.0005	ND	0.042
Endrin	1	91.39	0.0005	ND	17
Endosulfan II	1	91.39	0.0004	ND	NLE
4,4'-DDD	1	91.39	0.0006	0.084	3
Endrin Aldehyde	1	91.39	0.0005	ND	NLE
4,4'-DDT	1	91.39	0.0011	0.061	2
Endosulfan-Sulfate	1	91.39	0.0004	ND	NLE
gamma -Chlordane	1	91.39	0.0005	ND	NLE
alpha-Chlordane	1	91.39	0.0005	ND	NLE
Toxaphene	1	91.39	0.0003	ND	0.1
Arochlor 1016	1	91.39	0.0114	ND	0.49
Arochlor 1221	1	91.39	0.0210	ND	0.49
Arochlor 1232	1	91.39	0.0143	ND	0.49
Arochlor 1242	1	91.39	0.0163	ND	0.49
Arochlor 1248	1	91.39	0.0065	ND	0.49
Arochlor 1254	1	91.39	0.0041	ND	0.49
Arochlor 1260	1	91.39	0.0037	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4774.18
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/7/99
	Bldg. 173	**Extraction Date:**	9/10/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/18/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	111

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	90.92	0.0003	ND	NLE
beta-BHC	1	90.92	0.0003	ND	NLE
gamma-BHC	1	90.92	0.0004	ND	0.52
delta-BHC	1	90.92	0.0004	ND	NLE
Heptachlor	1	90.92	0.0003	ND	0.15
Aldrin	1	90.92	0.0004	ND	0.04
Heptachlor Epoxide	1	90.92	0.0006	ND	NLE
Endosulfan I	1	90.92	0.0005	ND	NLE
4,4'-DDE	1	90.92	0.0004	0.095	2
Dieldrin	1	90.92	0.0005	ND	0.042
Endrin	1	90.92	0.0005	ND	17
Endosulfan II	1	90.92	0.0004	ND	NLE
4,4'-DDD	1	90.92	0.0006	0.062	3
Endrin Aldehyde	1	90.92	0.0005	ND	NLE
4,4'-DDT	1	90.92	0.0012	0.065	2
Endosulfan-Sulfate	1	90.92	0.0004	ND	NLE
gamma -Chlordane	1	90.92	0.0005	ND	NLE
alpha-Chlordane	1	90.92	0.0005	ND	NLE
Toxaphene	1	90.92	0.0003	ND	0.1
Arochlor 1016	1	90.92	0.0121	ND	0.49
Arochlor 1221	1	90.92	0.0222	ND	0.49
Arochlor 1232	1	90.92	0.0151	ND	0.49
Arochlor 1242	1	90.92	0.0173	ND	0.49
Arochlor 1248	1	90.92	0.0069	ND	0.49
Arochlor 1254	1	90.92	0.0043	ND	0.49
Arochlor 1260	1	90.92	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4774.20
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/7/99
	Bldg. 173	**Extraction Date:**	9/10/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/18/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	112

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	79.18	0.0004	ND	NLE
beta-BHC	1	79.18	0.0004	ND	NLE
gamma-BHC	1	79.18	0.0005	ND	0.52
delta-BHC	1	79.18	0.0005	ND	NLE
Heptachlor	1	79.18	0.0004	ND	0.15
Aldrin	1	79.18	0.0005	ND	0.04
Heptachlor Epoxide	1	79.18	0.0007	ND	NLE
Endosulfan I	1	79.18	0.0006	ND	NLE
4,4'-DDE	1	79.18	0.0005	0.022	2
Dieldrin	1	79.18	0.0006	ND	0.042
Endrin	1	79.18	0.0006	ND	17
Endosulfan II	1	79.18	0.0005	ND	NLE
4,4'-DDD	1	79.18	0.0007	0.057	3
Endrin Aldehyde	1	79.18	0.0006	ND	NLE
4,4'-DDT	1	79.18	0.0014	0.013	2
Endosulfan-Sulfate	1	79.18	0.0005	ND	NLE
gamma -Chlordane	1	79.18	0.0006	ND	NLE
alpha-Chlordane	1	79.18	0.0006	ND	NLE
Toxaphene	1	79.18	0.0004	ND	0.1
Arochlor 1016	1	79.18	0.0140	ND	0.49
Arochlor 1221	1	79.18	0.0257	ND	0.49
Arochlor 1232	1	79.18	0.0175	ND	0.49
Arochlor 1242	1	79.18	0.0199	ND	0.49
Arochlor 1248	1	79.18	0.0080	ND	0.49
Arochlor 1254	1	79.18	0.0050	ND	0.49
Arochlor 1260	1	79.18	0.0045	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4774.22
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/7/99
	Bldg. 173	**Extraction Date:**	9/10/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/18/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	113

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	87.37	0.0003	ND	NLE
beta-BHC	1	87.37	0.0003	ND	NLE
gamma-BHC	1	87.37	0.0004	ND	0.52
delta-BHC	1	87.37	0.0004	ND	NLE
Heptachlor	1	87.37	0.0003	ND	0.15
Aldrin	1	87.37	0.0004	ND	0.04
Heptachlor Epoxide	1	87.37	0.0006	ND	NLE
Endosulfan I	1	87.37	0.0005	ND	NLE
4,4'-DDE	1	87.37	0.0004	0.069	2
Dieldrin	1	87.37	0.0005	ND	0.042
Endrin	1	87.37	0.0005	ND	17
Endosulfan II	1	87.37	0.0004	ND	NLE
4,4'-DDD	2	87.37	0.0013	0.138	3
Endrin Aldehyde	1	87.37	0.0005	ND	NLE
4,4'-DDT	1	87.37	0.0012	0.060	2
Endosulfan-Sulfate	1	87.37	0.0004	ND	NLE
gamma -Chlordane	1	87.37	0.0005	ND	NLE
alpha-Chlordane	1	87.37	0.0005	ND	NLE
Toxaphene	1	87.37	0.0003	ND	0.1
Arochlor 1016	1	87.37	0.0119	ND	0.49
Arochlor 1221	1	87.37	0.0220	ND	0.49
Arochlor 1232	1	87.37	0.0149	ND	0.49
Arochlor 1242	1	87.37	0.0171	ND	0.49
Arochlor 1248	1	87.37	0.0068	ND	0.49
Arochlor 1254	1	87.37	0.0043	ND	0.49
Arochlor 1260	1	87.37	0.0038	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4777.02
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/8/99
	Bldg. 173	**Extraction Date:**	9/10/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/18/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	114

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.31	0.0003	ND	NLE
beta-BHC	1	85.31	0.0003	ND	NLE
gamma-BHC	1	85.31	0.0004	ND	0.52
delta-BHC	1	85.31	0.0004	ND	NLE
Heptachlor	1	85.31	0.0003	ND	0.15
Aldrin	1	85.31	0.0004	ND	0.04
Heptachlor Epoxide	1	85.31	0.0007	ND	NLE
Endosulfan I	1	85.31	0.0006	ND	NLE
4,4'-DDE	1	85.31	0.0004	0.062	2
Dieldrin	1	85.31	0.0006	ND	0.042
Endrin	1	85.31	0.0006	ND	17
Endosulfan II	1	85.31	0.0004	ND	NLE
4,4'-DDD	1	85.31	0.0007	0.008	3
Endrin Aldehyde	1	85.31	0.0006	ND	NLE
4,4'-DDT	1	85.31	0.0012	0.016	2
Endosulfan-Sulfate	1	85.31	0.0004	ND	NLE
gamma -Chlordane	1	85.31	0.0006	ND	NLE
alpha-Chlordane	1	85.31	0.0006	ND	NLE
Toxaphene	1	85.31	0.0003	ND	0.1
Arochlor 1016	1	85.31	0.0125	ND	0.49
Arochlor 1221	1	85.31	0.0231	ND	0.49
Arochlor 1232	1	85.31	0.0157	ND	0.49
Arochlor 1242	1	85.31	0.0179	ND	0.49
Arochlor 1248	1	85.31	0.0072	ND	0.49
Arochlor 1254	1	85.31	0.0045	ND	0.49
Arochlor 1260	1	85.31	0.0040	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4777.04
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/8/99
	Bldg. 173	**Extraction Date:**	9/10/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/18/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	115

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	90.44	0.0003	ND	NLE
beta-BHC	1	90.44	0.0003	ND	NLE
gamma-BHC	1	90.44	0.0004	ND	0.52
delta-BHC	1	90.44	0.0004	ND	NLE
Heptachlor	1	90.44	0.0003	ND	0.15
Aldrin	1	90.44	0.0004	ND	0.04
Heptachlor Epoxide	1	90.44	0.0006	ND	NLE
Endosulfan I	1	90.44	0.0005	ND	NLE
4,4'-DDE	1	90.44	0.0004	0.012	2
Dieldrin	1	90.44	0.0005	ND	0.042
Endrin	1	90.44	0.0005	ND	17
Endosulfan II	1	90.44	0.0004	ND	NLE
4,4'-DDD	1	90.44	0.0006	0.085	3
Endrin Aldehyde	1	90.44	0.0005	ND	NLE
4,4'-DDT	1	90.44	0.0011	0.019	2
Endosulfan-Sulfate	1	90.44	0.0004	ND	NLE
gamma -Chlordane	1	90.44	0.0005	ND	NLE
alpha-Chlordane	1	90.44	0.0005	ND	NLE
Toxaphene	1	90.44	0.0003	ND	0.1
Arochlor 1016	1	90.44	0.0115	ND	0.49
Arochlor 1221	1	90.44	0.0211	ND	0.49
Arochlor 1232	1	90.44	0.0143	ND	0.49
Arochlor 1242	1	90.44	0.0164	ND	0.49
Arochlor 1248	1	90.44	0.0065	ND	0.49
Arochlor 1254	1	90.44	0.0041	ND	0.49
Arochlor 1260	1	90.44	0.0037	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4777.06
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/8/99
	Bldg. 173	**Extraction Date:**	9/10/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/18/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	116

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	88.24	0.0003	ND	NLE
beta-BHC	1	88.24	0.0003	ND	NLE
gamma-BHC	1	88.24	0.0004	ND	0.52
delta-BHC	1	88.24	0.0004	ND	NLE
Heptachlor	1	88.24	0.0003	ND	0.15
Aldrin	1	88.24	0.0004	ND	0.04
Heptachlor Epoxide	1	88.24	0.0007	ND	NLE
Endosulfan I	1	88.24	0.0006	ND	NLE
4,4'-DDE	1	88.24	0.0004	0.013	2
Dieldrin	1	88.24	0.0006	ND	0.042
Endrin	1	88.24	0.0006	ND	17
Endosulfan II	1	88.24	0.0004	ND	NLE
4,4'-DDD	1	88.24	0.0007	0.019	3
Endrin Aldehyde	1	88.24	0.0006	ND	NLE
4,4'-DDT	1	88.24	0.0012	0.029	2
Endosulfan-Sulfate	1	88.24	0.0004	ND	NLE
gamma -Chlordane	1	88.24	0.0006	0.005	NLE
alpha-Chlordane	1	88.24	0.0006	0.004	NLE
Toxaphene	1	88.24	0.0003	ND	0.1
Arochlor 1016	1	88.24	0.0125	ND	0.49
Arochlor 1221	1	88.24	0.0231	ND	0.49
Arochlor 1232	1	88.24	0.0157	ND	0.49
Arochlor 1242	1	88.24	0.0179	ND	0.49
Arochlor 1248	1	88.24	0.0072	ND	0.49
Arochlor 1254	1	88.24	0.0045	ND	0.49
Arochlor 1260	1	88.24	0.0040	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4777.08
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/8/99
	Bldg. 173	**Extraction Date:**	9/13/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/19/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	117

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.44	0.0003	ND	NLE
beta-BHC	1	89.44	0.0003	ND	NLE
gamma-BHC	1	89.44	0.0005	ND	0.52
delta-BHC	1	89.44	0.0005	ND	NLE
Heptachlor	1	89.44	0.0003	ND	0.15
Aldrin	1	89.44	0.0005	ND	0.04
Heptachlor Epoxide	1	89.44	0.0007	ND	NLE
Endosulfan I	1	89.44	0.0006	ND	NLE
4,4'-DDE	5	89.44	0.0023	0.131	2
Dieldrin	1	89.44	0.0006	ND	0.042
Endrin	1	89.44	0.0006	ND	17
Endosulfan II	1	89.44	0.0005	ND	NLE
4,4'-DDD	5	89.44	0.0034	0.183	3
Endrin Aldehyde	1	89.44	0.0006	ND	NLE
4,4'-DDT	1	89.44	0.0012	0.027	2
Endosulfan-Sulfate	1	89.44	0.0005	ND	NLE
gamma -Chlordane	1	89.44	0.0006	ND	NLE
alpha-Chlordane	1	89.44	0.0006	ND	NLE
Toxaphene	1	89.44	0.0003	ND	0.1
Arochlor 1016	1	89.44	0.0126	ND	0.49
Arochlor 1221	1	89.44	0.0232	ND	0.49
Arochlor 1232	1	89.44	0.0158	ND	0.49
Arochlor 1242	1	89.44	0.0181	ND	0.49
Arochlor 1248	1	89.44	0.0072	ND	0.49
Arochlor 1254	1	89.44	0.0045	ND	0.49
Arochlor 1260	1	89.44	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4777.10
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/8/99
	Bldg. 173	**Extraction Date:**	9/13/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/19/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	118

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	83.09	0.0004	ND	NLE
beta-BHC	1	83.09	0.0004	ND	NLE
gamma-BHC	1	83.09	0.0005	ND	0.52
delta-BHC	1	83.09	0.0005	ND	NLE
Heptachlor	1	83.09	0.0004	ND	0.15
Aldrin	1	83.09	0.0005	ND	0.04
Heptachlor Epoxide	1	83.09	0.0007	ND	NLE
Endosulfan I	1	83.09	0.0006	ND	NLE
4,4'-DDE	1	83.09	0.0005	0.015	2
Dieldrin	1	83.09	0.0006	ND	0.042
Endrin	1	83.09	0.0006	ND	17
Endosulfan II	1	83.09	0.0005	ND	NLE
4,4'-DDD	1	83.09	0.0007	0.024	3
Endrin Aldehyde	1	83.09	0.0006	ND	NLE
4,4'-DDT	1	83.09	0.0013	0.013	2
Endosulfan-Sulfate	1	83.09	0.0005	ND	NLE
gamma -Chlordane	1	83.09	0.0006	ND	NLE
alpha-Chlordane	1	83.09	0.0006	ND	NLE
Toxaphene	1	83.09	0.0004	ND	0.1
Arochlor 1016	1	83.09	0.0135	ND	0.49
Arochlor 1221	1	83.09	0.0248	ND	0.49
Arochlor 1232	1	83.09	0.0169	ND	0.49
Arochlor 1242	1	83.09	0.0193	ND	0.49
Arochlor 1248	1	83.09	0.0077	ND	0.49
Arochlor 1254	1	83.09	0.0048	ND	0.49
Arochlor 1260	1	83.09	0.0043	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4777.12
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/8/99
	Bldg. 173	**Extraction Date:**	9/13/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/19/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	119

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	97.49	0.0003	ND	NLE
beta-BHC	1	97.49	0.0003	ND	NLE
gamma-BHC	1	97.49	0.0004	ND	0.52
delta-BHC	1	97.49	0.0004	ND	NLE
Heptachlor	1	97.49	0.0003	ND	0.15
Aldrin	1	97.49	0.0004	ND	0.04
Heptachlor Epoxide	1	97.49	0.0006	ND	NLE
Endosulfan I	1	97.49	0.0005	ND	NLE
4,4'-DDE	1	97.49	0.0004	0.052	2
Dieldrin	1	97.49	0.0005	0.002	0.042
Endrin	1	97.49	0.0005	ND	17
Endosulfan II	1	97.49	0.0004	ND	NLE
4,4'-DDD	1	97.49	0.0006	0.023	3
Endrin Aldehyde	1	97.49	0.0005	ND	NLE
4,4'-DDT	2	97.49	0.0021	0.103	2
Endosulfan-Sulfate	1	97.49	0.0004	ND	NLE
gamma -Chlordane	1	97.49	0.0005	0.005	NLE
alpha-Chlordane	1	97.49	0.0005	0.003	NLE
Toxaphene	1	97.49	0.0003	ND	0.1
Arochlor 1016	1	97.49	0.0105	ND	0.49
Arochlor 1221	1	97.49	0.0194	ND	0.49
Arochlor 1232	1	97.49	0.0132	ND	0.49
Arochlor 1242	1	97.49	0.0150	ND	0.49
Arochlor 1248	1	97.49	0.0060	ND	0.49
Arochlor 1254	1	97.49	0.0038	ND	0.49
Arochlor 1260	1	97.49	0.0034	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4777.14
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/8/99
	Bldg. 173	**Extraction Date:**	9/13/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/19/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	120

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	90.76	0.0003	ND	NLE
beta-BHC	1	90.76	0.0003	ND	NLE
gamma-BHC	1	90.76	0.0004	ND	0.52
delta-BHC	1	90.76	0.0004	ND	NLE
Heptachlor	1	90.76	0.0003	ND	0.15
Aldrin	1	90.76	0.0004	ND	0.04
Heptachlor Epoxide	1	90.76	0.0006	ND	NLE
Endosulfan I	1	90.76	0.0005	ND	NLE
4,4'-DDE	1	90.76	0.0004	ND	2
Dieldrin	1	90.76	0.0005	ND	0.042
Endrin	1	90.76	0.0005	ND	17
Endosulfan II	1	90.76	0.0004	ND	NLE
4,4'-DDD	1	90.76	0.0006	0.007	3
Endrin Aldehyde	1	90.76	0.0005	ND	NLE
4,4'-DDT	1	90.76	0.0012	0.006	2
Endosulfan-Sulfate	1	90.76	0.0004	ND	NLE
gamma -Chlordane	1	90.76	0.0005	ND	NLE
alpha-Chlordane	1	90.76	0.0005	ND	NLE
Toxaphene	1	90.76	0.0003	ND	0.1
Arochlor 1016	1	90.76	0.0118	ND	0.49
Arochlor 1221	1	90.76	0.0218	ND	0.49
Arochlor 1232	1	90.76	0.0148	ND	0.49
Arochlor 1242	1	90.76	0.0169	ND	0.49
Arochlor 1248	1	90.76	0.0068	ND	0.49
Arochlor 1254	1	90.76	0.0042	ND	0.49
Arochlor 1260	1	90.76	0.0038	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4777.16
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/8/99
	Bldg. 173	**Extraction Date:**	9/13/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/19/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	121

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.91	0.0003	ND	NLE
beta-BHC	1	85.91	0.0003	ND	NLE
gamma-BHC	1	85.91	0.0004	ND	0.52
delta-BHC	1	85.91	0.0004	ND	NLE
Heptachlor	1	85.91	0.0003	ND	0.15
Aldrin	1	85.91	0.0004	ND	0.04
Heptachlor Epoxide	1	85.91	0.0007	ND	NLE
Endosulfan I	1	85.91	0.0005	ND	NLE
4,4'-DDE	1	85.91	0.0004	0.041	2
Dieldrin	1	85.91	0.0005	ND	0.042
Endrin	1	85.91	0.0005	ND	17
Endosulfan II	1	85.91	0.0004	ND	NLE
4,4'-DDD	1	85.91	0.0007	0.068	3
Endrin Aldehyde	1	85.91	0.0005	ND	NLE
4,4'-DDT	1	85.91	0.0012	0.020	2
Endosulfan-Sulfate	1	85.91	0.0004	ND	NLE
gamma -Chlordane	1	85.91	0.0005	ND	NLE
alpha-Chlordane	1	85.91	0.0005	ND	NLE
Toxaphene	1	85.91	0.0003	ND	0.1
Arochlor 1016	1	85.91	0.0122	ND	0.49
Arochlor 1221	1	85.91	0.0225	ND	0.49
Arochlor 1232	1	85.91	0.0153	ND	0.49
Arochlor 1242	1	85.91	0.0175	ND	0.49
Arochlor 1248	1	85.91	0.0070	ND	0.49
Arochlor 1254	1	85.91	0.0044	ND	0.49
Arochlor 1260	1	85.91	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4777.18
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/8/99
	Bldg. 173	**Extraction Date:**	9/13/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/19/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	122

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	80.36	0.0004	ND	NLE
beta-BHC	1	80.36	0.0004	ND	NLE
gamma-BHC	1	80.36	0.0005	ND	0.52
delta-BHC	1	80.36	0.0005	ND	NLE
Heptachlor	1	80.36	0.0004	ND	0.15
Aldrin	1	80.36	0.0005	ND	0.04
Heptachlor Epoxide	1	80.36	0.0007	ND	NLE
Endosulfan I	1	80.36	0.0006	ND	NLE
4,4'-DDE	1	80.36	0.0005	0.059	2
Dieldrin	1	80.36	0.0006	ND	0.042
Endrin	1	80.36	0.0006	ND	17
Endosulfan II	1	80.36	0.0005	ND	NLE
4,4'-DDD	1	80.36	0.0007	0.057	3
Endrin Aldehyde	1	80.36	0.0006	ND	NLE
4,4'-DDT	1	80.36	0.0013	0.057	2
Endosulfan-Sulfate	1	80.36	0.0005	ND	NLE
gamma -Chlordane	1	80.36	0.0006	ND	NLE
alpha-Chlordane	1	80.36	0.0006	ND	NLE
Toxaphene	1	80.36	0.0004	ND	0.1
Arochlor 1016	1	80.36	0.0133	ND	0.49
Arochlor 1221	1	80.36	0.0245	ND	0.49
Arochlor 1232	1	80.36	0.0166	ND	0.49
Arochlor 1242	1	80.36	0.0190	ND	0.49
Arochlor 1248	1	80.36	0.0076	ND	0.49
Arochlor 1254	1	80.36	0.0047	ND	0.49
Arochlor 1260	1	80.36	0.0043	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4777.20
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/8/99
	Bldg. 173	**Extraction Date:**	9/13/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/19/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	123

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	90.10	0.0003	ND	NLE
beta-BHC	1	90.10	0.0003	ND	NLE
gamma-BHC	1	90.10	0.0004	ND	0.52
delta-BHC	1	90.10	0.0004	ND	NLE
Heptachlor	1	90.10	0.0003	ND	0.15
Aldrin	1	90.10	0.0004	ND	0.04
Heptachlor Epoxide	1	90.10	0.0007	ND	NLE
Endosulfan I	1	90.10	0.0005	ND	NLE
4,4'-DDE	1	90.10	0.0004	0.015	2
Dieldrin	1	90.10	0.0005	ND	0.042
Endrin	1	90.10	0.0005	ND	17
Endosulfan II	1	90.10	0.0004	ND	NLE
4,4'-DDD	1	90.10	0.0007	0.018	3
Endrin Aldehyde	1	90.10	0.0005	ND	NLE
4,4'-DDT	1	90.10	0.0012	0.003	2
Endosulfan-Sulfate	1	90.10	0.0004	ND	NLE
gamma -Chlordane	1	90.10	0.0005	ND	NLE
alpha-Chlordane	1	90.10	0.0005	ND	NLE
Toxaphene	1	90.10	0.0003	ND	0.1
Arochlor 1016	1	90.10	0.0122	ND	0.49
Arochlor 1221	1	90.10	0.0224	ND	0.49
Arochlor 1232	1	90.10	0.0152	ND	0.49
Arochlor 1242	1	90.10	0.0174	ND	0.49
Arochlor 1248	1	90.10	0.0070	ND	0.49
Arochlor 1254	1	90.10	0.0043	ND	0.49
Arochlor 1260	1	90.10	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4777.22
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/8/99
	Bldg. 173	**Extraction Date:**	9/13/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/19/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	124

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	90.93	0.0003	ND	NLE
beta-BHC	1	90.93	0.0003	ND	NLE
gamma-BHC	1	90.93	0.0004	ND	0.52
delta-BHC	1	90.93	0.0004	ND	NLE
Heptachlor	1	90.93	0.0003	ND	0.15
Aldrin	1	90.93	0.0004	ND	0.04
Heptachlor Epoxide	1	90.93	0.0006	ND	NLE
Endosulfan I	1	90.93	0.0005	ND	NLE
4,4'-DDE	1	90.93	0.0004	ND	2
Dieldrin	1	90.93	0.0005	ND	0.042
Endrin	1	90.93	0.0005	ND	17
Endosulfan II	1	90.93	0.0004	ND	NLE
4,4'-DDD	1	90.93	0.0006	ND	3
Endrin Aldehyde	1	90.93	0.0005	ND	NLE
4,4'-DDT	1	90.93	0.0011	ND	2
Endosulfan-Sulfate	1	90.93	0.0004	ND	NLE
gamma -Chlordane	1	90.93	0.0005	ND	NLE
alpha-Chlordane	1	90.93	0.0005	ND	NLE
Toxaphene	1	90.93	0.0003	ND	0.1
Arochlor 1016	1	90.93	0.0113	ND	0.49
Arochlor 1221	1	90.93	0.0208	ND	0.49
Arochlor 1232	1	90.93	0.0142	ND	0.49
Arochlor 1242	1	90.93	0.0162	ND	0.49
Arochlor 1248	1	90.93	0.0065	ND	0.49
Arochlor 1254	1	90.93	0.0040	ND	0.49
Arochlor 1260	1	90.93	0.0036	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4777.24
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/8/99
	Bldg. 173	**Extraction Date:**	9/13/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/19/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	125

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	80.28	0.0004	ND	NLE
beta-BHC	1	80.28	0.0004	ND	NLE
gamma-BHC	1	80.28	0.0005	ND	0.52
delta-BHC	1	80.28	0.0005	ND	NLE
Heptachlor	1	80.28	0.0004	ND	0.15
Aldrin	1	80.28	0.0005	ND	0.04
Heptachlor Epoxide	1	80.28	0.0007	ND	NLE
Endosulfan I	1	80.28	0.0006	ND	NLE
4,4'-DDE	1	80.28	0.0005	0.005	2
Dieldrin	1	80.28	0.0006	ND	0.042
Endrin	1	80.28	0.0006	ND	17
Endosulfan II	1	80.28	0.0005	ND	NLE
4,4'-DDD	1	80.28	0.0007	0.005	3
Endrin Aldehyde	1	80.28	0.0006	ND	NLE
4,4'-DDT	1	80.28	0.0014	0.005	2
Endosulfan-Sulfate	1	80.28	0.0005	ND	NLE
gamma -Chlordane	1	80.28	0.0006	ND	NLE
alpha-Chlordane	1	80.28	0.0006	ND	NLE
Toxaphene	1	80.28	0.0004	ND	0.1
Arochlor 1016	1	80.28	0.0140	ND	0.49
Arochlor 1221	1	80.28	0.0257	ND	0.49
Arochlor 1232	1	80.28	0.0175	ND	0.49
Arochlor 1242	1	80.28	0.0200	ND	0.49
Arochlor 1248	1	80.28	0.0080	ND	0.49
Arochlor 1254	1	80.28	0.0050	ND	0.49
Arochlor 1260	1	80.28	0.0045	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4777.26
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/8/99
	Bldg. 173	**Extraction Date:**	9/13/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/19/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12-WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	126

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	83.46	0.0004	ND	NLE
beta-BHC	1	83.46	0.0004	ND	NLE
gamma-BHC	1	83.46	0.0005	ND	0.52
delta-BHC	1	83.46	0.0005	ND	NLE
Heptachlor	1	83.46	0.0004	ND	0.15
Aldrin	1	83.46	0.0005	ND	0.04
Heptachlor Epoxide	1	83.46	0.0007	ND	NLE
Endosulfan I	1	83.46	0.0006	ND	NLE
4,4'-DDE	1	83.46	0.0005	ND	2
Dieldrin	1	83.46	0.0006	ND	0.042
Endrin	1	83.46	0.0006	ND	17
Endosulfan II	1	83.46	0.0005	ND	NLE
4,4'-DDD	1	83.46	0.0007	0.036	3
Endrin Aldehyde	1	83.46	0.0006	ND	NLE
4,4'-DDT	1	83.46	0.0013	0.064	2
Endosulfan-Sulfate	1	83.46	0.0005	ND	NLE
gamma -Chlordane	1	83.46	0.0006	ND	NLE
alpha-Chlordane	1	83.46	0.0006	ND	NLE
Toxaphene	1	83.46	0.0004	ND	0.1
Arochlor 1016	1	83.46	0.0133	ND	0.49
Arochlor 1221	1	83.46	0.0244	ND	0.49
Arochlor 1232	1	83.46	0.0166	ND	0.49
Arochlor 1242	1	83.46	0.0189	ND	0.49
Arochlor 1248	1	83.46	0.0076	ND	0.49
Arochlor 1254	1	83.46	0.0047	ND	0.49
Arochlor 1260	1	83.46	0.0043	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4790.02
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/15/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/21/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	127

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.76	0.0003	ND	NLE
beta-BHC	1	89.76	0.0003	ND	NLE
gamma-BHC	1	89.76	0.0004	ND	0.52
delta-BHC	1	89.76	0.0004	ND	NLE
Heptachlor	1	89.76	0.0003	ND	0.15
Aldrin	1	89.76	0.0004	ND	0.04
Heptachlor Epoxide	1	89.76	0.0006	ND	NLE
Endosulfan I	1	89.76	0.0005	ND	NLE
4,4'-DDE	1	89.76	0.0004	0.019	2
Dieldrin	1	89.76	0.0005	ND	0.042
Endrin	1	89.76	0.0005	ND	17
Endosulfan II	1	89.76	0.0004	ND	NLE
4,4'-DDD	1	89.76	0.0006	0.013	3
Endrin Aldehyde	1	89.76	0.0005	ND	NLE
4,4'-DDT	1	89.76	0.0012	0.021	2
Endosulfan-Sulfate	1	89.76	0.0004	ND	NLE
gamma -Chlordane	1	89.76	0.0005	ND	NLE
alpha-Chlordane	1	89.76	0.0005	ND	NLE
Toxaphene	1	89.76	0.0003	ND	0.1
Arochlor 1016	1	89.76	0.0117	ND	0.49
Arochlor 1221	1	89.76	0.0216	ND	0.49
Arochlor 1232	1	89.76	0.0147	ND	0.49
Arochlor 1242	1	89.76	0.0168	ND	0.49
Arochlor 1248	1	89.76	0.0067	ND	0.49
Arochlor 1254	1	89.76	0.0042	ND	0.49
Arochlor 1260	1	89.76	0.0038	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4790.04
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/15/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/21/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	128

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	93.89	0.0003	ND	NLE
beta-BHC	1	93.89	0.0003	ND	NLE
gamma-BHC	1	93.89	0.0004	ND	0.52
delta-BHC	1	93.89	0.0004	ND	NLE
Heptachlor	1	93.89	0.0003	ND	0.15
Aldrin	1	93.89	0.0004	ND	0.04
Heptachlor Epoxide	1	93.89	0.0006	ND	NLE
Endosulfan I	1	93.89	0.0005	ND	NLE
4,4'-DDE	1	93.89	0.0004	0.007	2
Dieldrin	1	93.89	0.0005	ND	0.042
Endrin	1	93.89	0.0005	ND	17
Endosulfan II	1	93.89	0.0004	ND	NLE
4,4'-DDD	1	93.89	0.0006	0.004	3
Endrin Aldehyde	1	93.89	0.0005	ND	NLE
4,4'-DDT	1	93.89	0.0012	0.008	2
Endosulfan-Sulfate	1	93.89	0.0004	ND	NLE
gamma -Chlordane	1	93.89	0.0005	ND	NLE
alpha-Chlordane	1	93.89	0.0005	ND	NLE
Toxaphene	1	93.89	0.0003	ND	0.1
Arochlor 1016	1	93.89	0.0120	ND	0.49
Arochlor 1221	1	93.89	0.0221	ND	0.49
Arochlor 1232	1	93.89	0.0150	ND	0.49
Arochlor 1242	1	93.89	0.0171	ND	0.49
Arochlor 1248	1	93.89	0.0069	ND	0.49
Arochlor 1254	1	93.89	0.0043	ND	0.49
Arochlor 1260	1	93.89	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4790.06
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/15/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/21/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	129

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	63.11	0.0005	ND	NLE
beta-BHC	1	63.11	0.0005	ND	NLE
gamma-BHC	1	63.11	0.0006	ND	0.52
delta-BHC	1	63.11	0.0006	ND	NLE
Heptachlor	1	63.11	0.0005	ND	0.15
Aldrin	1	63.11	0.0006	ND	0.04
Heptachlor Epoxide	1	63.11	0.0009	ND	NLE
Endosulfan I	1	63.11	0.0008	ND	NLE
4,4'-DDE	1	63.11	0.0006	0.010	2
Dieldrin	1	63.11	0.0008	ND	0.042
Endrin	1	63.11	0.0008	ND	17
Endosulfan II	1	63.11	0.0006	ND	NLE
4,4'-DDD	1	63.11	0.0009	0.022	3
Endrin Aldehyde	1	63.11	0.0008	ND	NLE
4,4'-DDT	1	63.11	0.0017	0.013	2
Endosulfan-Sulfate	1	63.11	0.0006	ND	NLE
gamma -Chlordane	1	63.11	0.0008	ND	NLE
alpha-Chlordane	1	63.11	0.0008	ND	NLE
Toxaphene	1	63.11	0.0005	ND	0.1
Arochlor 1016	1	63.11	0.0172	ND	0.49
Arochlor 1221	1	63.11	0.0317	ND	0.49
Arochlor 1232	1	63.11	0.0215	ND	0.49
Arochlor 1242	1	63.11	0.0246	ND	0.49
Arochlor 1248	1	63.11	0.0098	ND	0.49
Arochlor 1254	1	63.11	0.0062	ND	0.49
Arochlor 1260	1	63.11	0.0055	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4790.08
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/15/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/21/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	130

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	83.75	0.0004	ND	NLE
beta-BHC	1	83.75	0.0004	ND	NLE
gamma-BHC	1	83.75	0.0005	ND	0.52
delta-BHC	1	83.75	0.0005	ND	NLE
Heptachlor	1	83.75	0.0004	ND	0.15
Aldrin	1	83.75	0.0005	ND	0.04
Heptachlor Epoxide	1	83.75	0.0007	ND	NLE
Endosulfan I	1	83.75	0.0006	ND	NLE
4,4'-DDE	1	83.75	0.0005	ND	2
Dieldrin	1	83.75	0.0006	ND	0.042
Endrin	1	83.75	0.0006	ND	17
Endosulfan II	1	83.75	0.0005	ND	NLE
4,4'-DDD	1	83.75	0.0007	ND	3
Endrin Aldehyde	1	83.75	0.0006	ND	NLE
4,4'-DDT	1	83.75	0.0013	ND	2
Endosulfan-Sulfate	1	83.75	0.0005	ND	NLE
gamma -Chlordane	1	83.75	0.0006	ND	NLE
alpha-Chlordane	1	83.75	0.0006	ND	NLE
Toxaphene	1	83.75	0.0004	ND	0.1
Arochlor 1016	1	83.75	0.0132	ND	0.49
Arochlor 1221	1	83.75	0.0243	ND	0.49
Arochlor 1232	1	83.75	0.0165	ND	0.49
Arochlor 1242	1	83.75	0.0189	ND	0.49
Arochlor 1248	1	83.75	0.0076	ND	0.49
Arochlor 1254	1	83.75	0.0047	ND	0.49
Arochlor 1260	1	83.75	0.0043	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4790.10
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/15/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/21/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	131

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	89.75	0.0003	ND	NLE
beta-BHC	1	89.75	0.0003	ND	NLE
gamma-BHC	1	89.75	0.0004	ND	0.52
delta-BHC	1	89.75	0.0004	ND	NLE
Heptachlor	1	89.75	0.0003	ND	0.15
Aldrin	1	89.75	0.0004	ND	0.04
Heptachlor Epoxide	1	89.75	0.0006	ND	NLE
Endosulfan I	1	89.75	0.0005	ND	NLE
4,4'-DDE	1	89.75	0.0004	0.064	2
Dieldrin	1	89.75	0.0005	ND	0.042
Endrin	1	89.75	0.0005	ND	17
Endosulfan II	1	89.75	0.0004	ND	NLE
4,4'-DDD	1	89.75	0.0006	0.067	3
Endrin Aldehyde	1	89.75	0.0005	ND	NLE
4,4'-DDT	5	89.75	0.0057	0.313	2
Endosulfan-Sulfate	1	89.75	0.0004	ND	NLE
gamma -Chlordane	1	89.75	0.0005	ND	NLE
alpha-Chlordane	1	89.75	0.0005	ND	NLE
Toxaphene	1	89.75	0.0003	ND	0.1
Arochlor 1016	1	89.75	0.0116	ND	0.49
Arochlor 1221	1	89.75	0.0213	ND	0.49
Arochlor 1232	1	89.75	0.0145	ND	0.49
Arochlor 1242	1	89.75	0.0166	ND	0.49
Arochlor 1248	1	89.75	0.0066	ND	0.49
Arochlor 1254	1	89.75	0.0041	ND	0.49
Arochlor 1260	1	89.75	0.0037	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4790.12
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/15/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/21/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	132

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.76	0.0003	ND	NLE
beta-BHC	1	85.76	0.0003	ND	NLE
gamma-BHC	1	85.76	0.0004	ND	0.52
delta-BHC	1	85.76	0.0004	ND	NLE
Heptachlor	1	85.76	0.0003	ND	0.15
Aldrin	1	85.76	0.0004	ND	0.04
Heptachlor Epoxide	1	85.76	0.0007	ND	NLE
Endosulfan I	1	85.76	0.0005	ND	NLE
4,4'-DDE	1	85.76	0.0004	0.008	2
Dieldrin	1	85.76	0.0005	ND	0.042
Endrin	1	85.76	0.0005	ND	17
Endosulfan II	1	85.76	0.0004	ND	NLE
4,4'-DDD	1	85.76	0.0007	0.007	3
Endrin Aldehyde	1	85.76	0.0005	ND	NLE
4,4'-DDT	1	85.76	0.0012	0.004	2
Endosulfan-Sulfate	1	85.76	0.0004	ND	NLE
gamma -Chlordane	1	85.76	0.0005	ND	NLE
alpha-Chlordane	1	85.76	0.0005	ND	NLE
Toxaphene	1	85.76	0.0003	ND	0.1
Arochlor 1016	1	85.76	0.0122	ND	0.49
Arochlor 1221	1	85.76	0.0225	ND	0.49
Arochlor 1232	1	85.76	0.0153	ND	0.49
Arochlor 1242	1	85.76	0.0175	ND	0.49
Arochlor 1248	1	85.76	0.0070	ND	0.49
Arochlor 1254	1	85.76	0.0044	ND	0.49
Arochlor 1260	1	85.76	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4790.14
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/15/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/21/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	133

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	90.02	0.0003	ND	NLE
beta-BHC	1	90.02	0.0003	ND	NLE
gamma-BHC	1	90.02	0.0004	ND	0.52
delta-BHC	1	90.02	0.0004	ND	NLE
Heptachlor	1	90.02	0.0003	ND	0.15
Aldrin	1	90.02	0.0004	ND	0.04
Heptachlor Epoxide	1	90.02	0.0006	ND	NLE
Endosulfan I	1	90.02	0.0005	ND	NLE
4,4'-DDE	1	90.02	0.0004	0.011	2
Dieldrin	1	90.02	0.0005	ND	0.042
Endrin	1	90.02	0.0005	ND	17
Endosulfan II	1	90.02	0.0004	ND	NLE
4,4'-DDD	1	90.02	0.0006	0.009	3
Endrin Aldehyde	1	90.02	0.0005	ND	NLE
4,4'-DDT	1	90.02	0.0011	0.021	2
Endosulfan-Sulfate	1	90.02	0.0004	ND	NLE
gamma -Chlordane	1	90.02	0.0005	ND	NLE
alpha-Chlordane	1	90.02	0.0005	ND	NLE
Toxaphene	1	90.02	0.0003	ND	0.1
Arochlor 1016	1	90.02	0.0116	ND	0.49
Arochlor 1221	1	90.02	0.0214	ND	0.49
Arochlor 1232	1	90.02	0.0145	ND	0.49
Arochlor 1242	1	90.02	0.0166	ND	0.49
Arochlor 1248	1	90.02	0.0066	ND	0.49
Arochlor 1254	1	90.02	0.0041	ND	0.49
Arochlor 1260	1	90.02	0.0037	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4790.16
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/15/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/21/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	134

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	91.70	0.0003	ND	NLE
beta-BHC	1	91.70	0.0003	ND	NLE
gamma-BHC	1	91.70	0.0004	ND	0.52
delta-BHC	1	91.70	0.0004	ND	NLE
Heptachlor	1	91.70	0.0003	ND	0.15
Aldrin	1	91.70	0.0004	ND	0.04
Heptachlor Epoxide	1	91.70	0.0006	ND	NLE
Endosulfan I	1	91.70	0.0005	ND	NLE
4,4'-DDE	1	91.70	0.0004	0.017	2
Dieldrin	1	91.70	0.0005	ND	0.042
Endrin	1	91.70	0.0005	ND	17
Endosulfan II	1	91.70	0.0004	ND	NLE
4,4'-DDD	1	91.70	0.0006	0.014	3
Endrin Aldehyde	1	91.70	0.0005	ND	NLE
4,4'-DDT	1	91.70	0.0012	0.012	2
Endosulfan-Sulfate	1	91.70	0.0004	ND	NLE
gamma -Chlordane	1	91.70	0.0005	ND	NLE
alpha-Chlordane	1	91.70	0.0005	ND	NLE
Toxaphene	1	91.70	0.0003	ND	0.1
Arochlor 1016	1	91.70	0.0118	ND	0.49
Arochlor 1221	1	91.70	0.0218	ND	0.49
Arochlor 1232	1	91.70	0.0148	ND	0.49
Arochlor 1242	1	91.70	0.0169	ND	0.49
Arochlor 1248	1	91.70	0.0068	ND	0.49
Arochlor 1254	1	91.70	0.0042	ND	0.49
Arochlor 1260	1	91.70	0.0038	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4790.18
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/15/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/21/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	135

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	83.71	0.0004	ND	NLE
beta-BHC	1	83.71	0.0004	ND	NLE
gamma-BHC	1	83.71	0.0005	ND	0.52
delta-BHC	1	83.71	0.0005	ND	NLE
Heptachlor	1	83.71	0.0004	ND	0.15
Aldrin	1	83.71	0.0005	ND	0.04
Heptachlor Epoxide	1	83.71	0.0007	ND	NLE
Endosulfan I	1	83.71	0.0006	ND	NLE
4,4'-DDE	1	83.71	0.0005	ND	2
Dieldrin	1	83.71	0.0006	ND	0.042
Endrin	1	83.71	0.0006	ND	17
Endosulfan II	1	83.71	0.0005	ND	NLE
4,4'-DDD	1	83.71	0.0007	ND	3
Endrin Aldehyde	1	83.71	0.0006	ND	NLE
4,4'-DDT	1	83.71	0.0013	ND	2
Endosulfan-Sulfate	1	83.71	0.0005	ND	NLE
gamma -Chlordane	1	83.71	0.0006	ND	NLE
alpha-Chlordane	1	83.71	0.0006	ND	NLE
Toxaphene	1	83.71	0.0004	ND	0.1
Arochlor 1016	1	83.71	0.0135	ND	0.49
Arochlor 1221	1	83.71	0.0248	ND	0.49
Arochlor 1232	1	83.71	0.0168	ND	0.49
Arochlor 1242	1	83.71	0.0192	ND	0.49
Arochlor 1248	1	83.71	0.0077	ND	0.49
Arochlor 1254	1	83.71	0.0048	ND	0.49
Arochlor 1260	1	83.71	0.0043	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4790.20
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/15/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/21/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	136

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.74	0.0003	ND	NLE
beta-BHC	1	85.74	0.0003	ND	NLE
gamma-BHC	1	85.74	0.0005	ND	0.52
delta-BHC	1	85.74	0.0005	ND	NLE
Heptachlor	1	85.74	0.0003	ND	0.15
Aldrin	1	85.74	0.0005	ND	0.04
Heptachlor Epoxide	1	85.74	0.0007	ND	NLE
Endosulfan I	1	85.74	0.0006	ND	NLE
4,4'-DDE	1	85.74	0.0005	0.030	2
Dieldrin	1	85.74	0.0006	ND	0.042
Endrin	1	85.74	0.0006	ND	17
Endosulfan II	1	85.74	0.0005	ND	NLE
4,4'-DDD	1	85.74	0.0007	0.013	3
Endrin Aldehyde	1	85.74	0.0006	ND	NLE
4,4'-DDT	1	85.74	0.0013	0.008	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	0.0003	ND	0.1
Arochlor 1016	1	85.74	0.0128	ND	0.49
Arochlor 1221	1	85.74	0.0235	ND	0.49
Arochlor 1232	1	85.74	0.0160	ND	0.49
Arochlor 1242	1	85.74	0.0183	ND	0.49
Arochlor 1248	1	85.74	0.0073	ND	0.49
Arochlor 1254	1	85.74	0.0046	ND	0.49
Arochlor 1260	1	85.74	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4790.22
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/15/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/21/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	137

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.95	0.0003	ND	NLE
beta-BHC	1	84.95	0.0003	ND	NLE
gamma-BHC	1	84.95	0.0005	ND	0.52
delta-BHC	1	84.95	0.0005	ND	NLE
Heptachlor	1	84.95	0.0003	ND	0.15
Aldrin	1	84.95	0.0005	ND	0.04
Heptachlor Epoxide	1	84.95	0.0007	ND	NLE
Endosulfan I	1	84.95	0.0006	ND	NLE
4,4'-DDE	1	84.95	0.0005	0.011	2
Dieldrin	1	84.95	0.0006	ND	0.042
Endrin	1	84.95	0.0006	ND	17
Endosulfan II	1	84.95	0.0005	ND	NLE
4,4'-DDD	1	84.95	0.0007	0.009	3
Endrin Aldehyde	1	84.95	0.0006	ND	NLE
4,4'-DDT	1	84.95	0.0013	0.012	2
Endosulfan-Sulfate	1	84.95	0.0005	ND	NLE
gamma -Chlordane	1	84.95	0.0006	ND	NLE
alpha-Chlordane	1	84.95	0.0006	ND	NLE
Toxaphene	1	84.95	0.0003	ND	0.1
Arochlor 1016	1	84.95	0.0129	ND	0.49
Arochlor 1221	1	84.95	0.0237	ND	0.49
Arochlor 1232	1	84.95	0.0161	ND	0.49
Arochlor 1242	1	84.95	0.0184	ND	0.49
Arochlor 1248	1	84.95	0.0074	ND	0.49
Arochlor 1254	1	84.95	0.0046	ND	0.49
Arochlor 1260	1	84.95	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4790.24
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/15/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/21/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	138

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	83.57	0.0004	ND	NLE
beta-BHC	1	83.57	0.0004	ND	NLE
gamma-BHC	1	83.57	0.0005	ND	0.52
delta-BHC	1	83.57	0.0005	ND	NLE
Heptachlor	1	83.57	0.0004	ND	0.15
Aldrin	1	83.57	0.0005	ND	0.04
Heptachlor Epoxide	1	83.57	0.0007	ND	NLE
Endosulfan I	1	83.57	0.0006	ND	NLE
4,4'-DDE	1	83.57	0.0005	0.010	2
Dieldrin	1	83.57	0.0006	ND	0.042
Endrin	1	83.57	0.0006	ND	17
Endosulfan II	1	83.57	0.0005	ND	NLE
4,4'-DDD	1	83.57	0.0007	0.013	3
Endrin Aldehyde	1	83.57	0.0006	ND	NLE
4,4'-DDT	1	83.57	0.0013	0.005	2
Endosulfan-Sulfate	1	83.57	0.0005	ND	NLE
gamma -Chlordane	1	83.57	0.0006	ND	NLE
alpha-Chlordane	1	83.57	0.0006	ND	NLE
Toxaphene	1	83.57	0.0004	ND	0.1
Arochlor 1016	1	83.57	0.0131	ND	0.49
Arochlor 1221	1	83.57	0.0241	ND	0.49
Arochlor 1232	1	83.57	0.0164	ND	0.49
Arochlor 1242	1	83.57	0.0187	ND	0.49
Arochlor 1248	1	83.57	0.0075	ND	0.49
Arochlor 1254	1	83.57	0.0047	ND	0.49
Arochlor 1260	1	83.57	0.0042	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4790.26
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/15/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/21/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	139

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	87.02	0.0003	ND	NLE
beta-BHC	1	87.02	0.0003	ND	NLE
gamma-BHC	1	87.02	0.0005	ND	0.52
delta-BHC	1	87.02	0.0005	ND	NLE
Heptachlor	1	87.02	0.0003	ND	0.15
Aldrin	1	87.02	0.0005	ND	0.04
Heptachlor Epoxide	1	87.02	0.0007	ND	NLE
Endosulfan I	1	87.02	0.0006	ND	NLE
4,4'-DDE	1	87.02	0.0005	0.111	2
Dieldrin	1	87.02	0.0006	ND	0.042
Endrin	1	87.02	0.0006	ND	17
Endosulfan II	1	87.02	0.0005	ND	NLE
4,4'-DDD	1	87.02	0.0007	0.069	3
Endrin Aldehyde	1	87.02	0.0006	ND	NLE
4,4'-DDT	1	87.02	0.0012	0.030	2
Endosulfan-Sulfate	1	87.02	0.0005	ND	NLE
gamma -Chlordane	1	87.02	0.0006	ND	NLE
alpha-Chlordane	1	87.02	0.0006	ND	NLE
Toxaphene	1	87.02	0.0003	ND	0.1
Arochlor 1016	1	87.02	0.0127	ND	0.49
Arochlor 1221	1	87.02	0.0233	ND	0.49
Arochlor 1232	1	87.02	0.0159	ND	0.49
Arochlor 1242	1	87.02	0.0181	ND	0.49
Arochlor 1248	1	87.02	0.0072	ND	0.49
Arochlor 1254	1	87.02	0.0045	ND	0.49
Arochlor 1260	1	87.02	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

001412

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4793.02
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/20/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	140

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	84.44	0.0003	ND	NLE
beta-BHC	1	84.44	0.0003	ND	NLE
gamma-BHC	1	84.44	0.0005	ND	0.52
delta-BHC	1	84.44	0.0005	ND	NLE
Heptachlor	1	84.44	0.0003	ND	0.15
Aldrin	1	84.44	0.0005	ND	0.04
Heptachlor Epoxide	1	84.44	0.0007	ND	NLE
Endosulfan I	1	84.44	0.0006	ND	NLE
4,4'-DDE	1	84.44	0.0005	0.010	2
Dieldrin	1	84.44	0.0006	ND	0.042
Endrin	1	84.44	0.0006	ND	17
Endosulfan II	1	84.44	0.0005	ND	NLE
4,4'-DDD	1	84.44	0.0007	0.009	3
Endrin Aldehyde	1	84.44	0.0006	ND	NLE
4,4'-DDT	1	84.44	0.0012	0.016	2
Endosulfan-Sulfate	1	84.44	0.0005	ND	NLE
gamma -Chlordane	1	84.44	0.0006	ND	NLE
alpha-Chlordane	1	84.44	0.0006	ND	NLE
Toxaphene	1	84.44	0.0003	ND	0.1
Arochlor 1016	1	84.44	0.0126	ND	0.49
Arochlor 1221	1	84.44	0.0232	ND	0.49
Arochlor 1232	1	84.44	0.0158	ND	0.49
Arochlor 1242	1	84.44	0.0180	ND	0.49
Arochlor 1248	1	84.44	0.0072	ND	0.49
Arochlor 1254	1	84.44	0.0045	ND	0.49
Arochlor 1260	1	84.44	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4793.04
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/20/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	141

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	85.62	0.0003	ND	NLE
beta-BHC	1	85.62	0.0003	ND	NLE
gamma-BHC	1	85.62	0.0005	ND	0.52
delta-BHC	1	85.62	0.0005	ND	NLE
Heptachlor	1	85.62	0.0003	ND	0.15
Aldrin	1	85.62	0.0005	ND	0.04
Heptachlor Epoxide	1	85.62	0.0007	ND	NLE
Endosulfan I	1	85.62	0.0006	ND	NLE
4,4'-DDE	1	85.62	0.0005	0.003	2
Dieldrin	1	85.62	0.0006	ND	0.042
Endrin	1	85.62	0.0006	ND	17
Endosulfan II	1	85.62	0.0005	ND	NLE
4,4'-DDD	1	85.62	0.0007	0.003	3
Endrin Aldehyde	1	85.62	0.0006	ND	NLE
4,4'-DDT	1	85.62	0.0013	0.003	2
Endosulfan-Sulfate	1	85.62	0.0005	ND	NLE
gamma -Chlordane	1	85.62	0.0006	ND	NLE
alpha-Chlordane	1	85.62	0.0006	ND	NLE
Toxaphene	1	85.62	0.0003	ND	0.1
Arochlor 1016	1	85.62	0.0130	ND	0.49
Arochlor 1221	1	85.62	0.0238	ND	0.49
Arochlor 1232	1	85.62	0.0162	ND	0.49
Arochlor 1242	1	85.62	0.0185	ND	0.49
Arochlor 1248	1	85.62	0.0074	ND	0.49
Arochlor 1254	1	85.62	0.0046	ND	0.49
Arochlor 1260	1	85.62	0.0042	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4793.06
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/20/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	142

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	82.15	0.0004	ND	NLE
beta-BHC	1	82.15	0.0004	ND	NLE
gamma-BHC	1	82.15	0.0005	ND	0.52
delta-BHC	1	82.15	0.0005	ND	NLE
Heptachlor	1	82.15	0.0004	ND	0.15
Aldrin	1	82.15	0.0005	ND	0.04
Heptachlor Epoxide	1	82.15	0.0007	ND	NLE
Endosulfan I	1	82.15	0.0006	ND	NLE
4,4'-DDE	1	82.15	0.0005	0.029	2
Dieldrin	1	82.15	0.0006	0.007	0.042
Endrin	1	82.15	0.0006	ND	17
Endosulfan II	1	82.15	0.0005	ND	NLE
4,4'-DDD	1	82.15	0.0007	0.030	3
Endrin Aldehyde	1	82.15	0.0006	ND	NLE
4,4'-DDT	1	82.15	0.0013	0.023	2
Endosulfan-Sulfate	1	82.15	0.0005	ND	NLE
gamma -Chlordane	1	82.15	0.0006	ND	NLE
alpha-Chlordane	1	82.15	0.0006	ND	NLE
Toxaphene	1	82.15	0.0004	ND	0.1
Arochlor 1016	1	82.15	0.0136	ND	0.49
Arochlor 1221	1	82.15	0.0249	ND	0.49
Arochlor 1232	1	82.15	0.0169	ND	0.49
Arochlor 1242	1	82.15	0.0194	ND	0.49
Arochlor 1248	1	82.15	0.0077	ND	0.49
Arochlor 1254	1	82.15	0.0048	ND	0.49
Arochlor 1260	1	82.15	0.0044	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4793.08
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/20/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	143

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	83.78	0.0004	ND	NLE
beta-BHC	1	83.78	0.0004	ND	NLE
gamma-BHC	1	83.78	0.0005	ND	0.52
delta-BHC	1	83.78	0.0005	ND	NLE
Heptachlor	1	83.78	0.0004	ND	0.15
Aldrin	1	83.78	0.0005	ND	0.04
Heptachlor Epoxide	1	83.78	0.0007	ND	NLE
Endosulfan I	1	83.78	0.0006	ND	NLE
4,4'-DDE	1	83.78	0.0005	0.032	2
Dieldrin	1	83.78	0.0006	ND	0.042
Endrin	1	83.78	0.0006	ND	17
Endosulfan II	1	83.78	0.0005	ND	NLE
4,4'-DDD	1	83.78	0.0007	0.006	3
Endrin Aldehyde	1	83.78	0.0006	ND	NLE
4,4'-DDT	1	83.78	0.0013	0.036	2
Endosulfan-Sulfate	1	83.78	0.0005	ND	NLE
gamma -Chlordane	1	83.78	0.0006	ND	NLE
alpha-Chlordane	1	83.78	0.0006	ND	NLE
Toxaphene	1	83.78	0.0004	ND	0.1
Arochlor 1016	1	83.78	0.0133	ND	0.49
Arochlor 1221	1	83.78	0.0245	ND	0.49
Arochlor 1232	1	83.78	0.0166	ND	0.49
Arochlor 1242	1	83.78	0.0190	ND	0.49
Arochlor 1248	1	83.78	0.0076	ND	0.49
Arochlor 1254	1	83.78	0.0048	ND	0.49
Arochlor 1260	1	83.78	0.0043	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4793.10
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/20/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	144

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	87.91	0.0003	ND	NLE
beta-BHC	1	87.91	0.0003	ND	NLE
gamma-BHC	1	87.91	0.0004	ND	0.52
delta-BHC	1	87.91	0.0004	ND	NLE
Heptachlor	1	87.91	0.0003	ND	0.15
Aldrin	1	87.91	0.0004	ND	0.04
Heptachlor Epoxide	1	87.91	0.0007	ND	NLE
Endosulfan I	1	87.91	0.0006	ND	NLE
4,4'-DDE	1	87.91	0.0004	ND	2
Dieldrin	1	87.91	0.0006	ND	0.042
Endrin	1	87.91	0.0006	ND	17
Endosulfan II	1	87.91	0.0004	ND	NLE
4,4'-DDD	1	87.91	0.0007	ND	3
Endrin Aldehyde	1	87.91	0.0006	ND	NLE
4,4'-DDT	1	87.91	0.0012	0.002	2
Endosulfan-Sulfate	1	87.91	0.0004	ND	NLE
gamma -Chlordane	1	87.91	0.0006	ND	NLE
alpha-Chlordane	1	87.91	0.0006	ND	NLE
Toxaphene	1	87.91	0.0003	ND	0.1
Arochlor 1016	1	87.91	0.0125	ND	0.49
Arochlor 1221	1	87.91	0.0230	ND	0.49
Arochlor 1232	1	87.91	0.0156	ND	0.49
Arochlor 1242	1	87.91	0.0179	ND	0.49
Arochlor 1248	1	87.91	0.0072	ND	0.49
Arochlor 1254	1	87.91	0.0045	ND	0.49
Arochlor 1260	1	87.91	0.0040	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4793.12
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/20/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	145

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	83.77	0.0003	ND	NLE
beta-BHC	1	83.77	0.0003	ND	NLE
gamma-BHC	1	83.77	0.0005	ND	0.52
delta-BHC	1	83.77	0.0005	ND	NLE
Heptachlor	1	83.77	0.0003	ND	0.15
Aldrin	1	83.77	0.0005	ND	0.04
Heptachlor Epoxide	1	83.77	0.0007	ND	NLE
Endosulfan I	1	83.77	0.0006	ND	NLE
4,4'-DDE	1	83.77	0.0005	ND	2
Dieldrin	1	83.77	0.0006	ND	0.042
Endrin	1	83.77	0.0006	ND	17
Endosulfan II	1	83.77	0.0005	ND	NLE
4,4'-DDD	1	83.77	0.0007	ND	3
Endrin Aldehyde	1	83.77	0.0006	ND	NLE
4,4'-DDT	1	83.77	0.0013	0.002	2
Endosulfan-Sulfate	1	83.77	0.0005	ND	NLE
gamma -Chlordane	1	83.77	0.0006	ND	NLE
alpha-Chlordane	1	83.77	0.0006	ND	NLE
Toxaphene	1	83.77	0.0003	ND	0.1
Arochlor 1016	1	83.77	0.0128	ND	0.49
Arochlor 1221	1	83.77	0.0236	ND	0.49
Arochlor 1232	1	83.77	0.0161	ND	0.49
Arochlor 1242	1	83.77	0.0183	ND	0.49
Arochlor 1248	1	83.77	0.0073	ND	0.49
Arochlor 1254	1	83.77	0.0046	ND	0.49
Arochlor 1260	1	83.77	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4793.14
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/20/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	146

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	83.19	0.0003	ND	NLE
beta-BHC	1	83.19	0.0003	ND	NLE
gamma-BHC	1	83.19	0.0005	ND	0.52
delta-BHC	1	83.19	0.0005	ND	NLE
Heptachlor	1	83.19	0.0003	ND	0.15
Aldrin	1	83.19	0.0005	ND	0.04
Heptachlor Epoxide	1	83.19	0.0007	ND	NLE
Endosulfan I	1	83.19	0.0006	ND	NLE
4,4'-DDE	1	83.19	0.0005	ND	2
Dieldrin	1	83.19	0.0006	ND	0.042
Endrin	1	83.19	0.0006	ND	17
Endosulfan II	1	83.19	0.0005	ND	NLE
4,4'-DDD	1	83.19	0.0007	ND	3
Endrin Aldehyde	1	83.19	0.0006	ND	NLE
4,4'-DDT	1	83.19	0.0012	0.057	2
Endosulfan-Sulfate	1	83.19	0.0005	ND	NLE
gamma -Chlordane	1	83.19	0.0006	ND	NLE
alpha-Chlordane	1	83.19	0.0006	ND	NLE
Toxaphene	1	83.19	0.0003	ND	0.1
Arochlor 1016	1	83.19	0.0127	ND	0.49
Arochlor 1221	1	83.19	0.0233	ND	0.49
Arochlor 1232	1	83.19	0.0158	ND	0.49
Arochlor 1242	1	83.19	0.0181	ND	0.49
Arochlor 1248	1	83.19	0.0072	ND	0.49
Arochlor 1254	1	83.19	0.0045	ND	0.49
Arochlor 1260	1	83.19	0.0041	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4793.16
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/20/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	147

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	88.95	0.0003	ND	NLE
beta-BHC	1	88.95	0.0003	ND	NLE
gamma-BHC	1	88.95	0.0004	ND	0.52
delta-BHC	1	88.95	0.0004	ND	NLE
Heptachlor	1	88.95	0.0003	ND	0.15
Aldrin	1	88.95	0.0004	ND	0.04
Heptachlor Epoxide	1	88.95	0.0007	ND	NLE
Endosulfan I	1	88.95	0.0005	ND	NLE
4,4'-DDE	1	88.95	0.0004	0.014	2
Dieldrin	1	88.95	0.0005	0.032	0.042
Endrin	1	88.95	0.0005	ND	17
Endosulfan II	1	88.95	0.0004	ND	NLE
4,4'-DDD	1	88.95	0.0007	0.018	3
Endrin Aldehyde	1	88.95	0.0005	ND	NLE
4,4'-DDT	1	88.95	0.0012	0.079	2
Endosulfan-Sulfate	1	88.95	0.0004	ND	NLE
gamma -Chlordane	1	88.95	0.0005	ND	NLE
alpha-Chlordane	1	88.95	0.0005	ND	NLE
Toxaphene	1	88.95	0.0003	ND	0.1
Arochlor 1016	1	88.95	0.0123	ND	0.49
Arochlor 1221	1	88.95	0.0226	ND	0.49
Arochlor 1232	1	88.95	0.0153	ND	0.49
Arochlor 1242	1	88.95	0.0175	ND	0.49
Arochlor 1248	1	88.95	0.0070	ND	0.49
Arochlor 1254	1	88.95	0.0044	ND	0.49
Arochlor 1260	1	88.95	0.0039	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	4793.18
	DPW. SELFM-PW-EV	**Date Rec'd:**	9/20/99
	Bldg. 173	**Extraction Date:**	9/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/22/99
Analysis:	SW-846 Method 8081/8082	**Location :**	M-12 WEST
Matrix:	Soil		
Analyst:	T. Frankovich	**Field ID:**	148

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	1	88.66	0.0003	ND	NLE
beta-BHC	1	88.66	0.0003	ND	NLE
gamma-BHC	1	88.66	0.0004	ND	0.52
delta-BHC	1	88.66	0.0004	ND	NLE
Heptachlor	1	88.66	0.0003	ND	0.15
Aldrin	1	88.66	0.0004	ND	0.04
Heptachlor Epoxide	1	88.66	0.0006	ND	NLE
Endosulfan I	1	88.66	0.0005	ND	NLE
4,4'-DDE	1	88.66	0.0004	0.005	2
Dieldrin	1	88.66	0.0005	0.031	0.042
Endrin	1	88.66	0.0005	ND	17
Endosulfan II	1	88.66	0.0004	ND	NLE
4,4'-DDD	1	88.66	0.0006	0.008	3
Endrin Aldehyde	1	88.66	0.0005	ND	NLE
4,4'-DDT	1	88.66	0.0011	0.026	2
Endosulfan-Sulfate	1	88.66	0.0004	ND	NLE
gamma -Chlordane	1	88.66	0.0005	ND	NLE
alpha-Chlordane	1	88.66	0.0005	ND	NLE
Toxaphene	1	88.66	0.0003	ND	0.1
Arochlor 1016	1	88.66	0.0117	ND	0.49
Arochlor 1221	1	88.66	0.0215	ND	0.49
Arochlor 1232	1	88.66	0.0146	ND	0.49
Arochlor 1242	1	88.66	0.0167	ND	0.49
Arochlor 1248	1	88.66	0.0067	ND	0.49
Arochlor 1254	1	88.66	0.0042	ND	0.49
Arochlor 1260	1	88.66	0.0038	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25um

TAL METALS

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 #: 3424
Sample Received: 03/20/98
Sample Preparation: 03/30/98
Sample Matrix: Soil

Site: M-12
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	03/27/98	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

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 #: 4748
Sample Prepared: 09/01/99

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (mg/L)

Element	Date of Analysis	Result	MDL
Aluminum	09/01/99	0.059	0.01
Antimony	09/01/99	ND	0.002
Arsenic	09/01/99	ND	0.002
Barium	09/01/99	0.0010	0.0005
Beryllium	09/01/99	ND	0.0005
Cadmium	09/01/99	ND	0.0005
Calcium	09/01/99	0.175	0.02
Chromium	09/01/99	0.0022	0.0005
Cobalt	09/01/99	ND	0.0005
Copper	09/01/99	0.169	0.003
Iron	09/01/99	0.056	0.01
Lead	09/01/99	ND	0.002
Magnesium	09/01/99	0.064	0.02
Manganese	09/01/99	0.0009	0.0005
Mercury	09/01/99	ND	0.0001
Nickel	09/01/99	0.0029	0.0005
Potassium	09/01/99	0.493	0.02
Selenium	09/01/99	ND	0.002
Silver	09/01/99	ND	0.003
Sodium	09/01/99	0.548	0.02
Thallium	09/01/99	ND	0.003
Vanadium	09/01/99	ND	0.001
Zinc	09/01/99	0.034	0.001

ND = Not Detected, MDL = Method Detection Limit

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 #: 4754
Sample Prepared: 09/09/99

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (mg/L)

Element	Date of Analysis	Result	MDL
Aluminum	09/09/99	0.088	0.01
Antimony	09/09/99	ND	0.002
Arsenic	09/09/99	0.008	0.002
Barium	09/09/99	0.147	0.0005
Beryllium	09/09/99	ND	0.0005
Cadmium	09/09/99	0.0006	0.0005
Calcium	09/09/99	0.223	0.02
Chromium	09/09/99	0.0017	0.0005
Cobalt	09/09/99	ND	0.0005
Copper	09/09/99	0.169	0.003
Iron	09/09/99	0.296	0.01
Lead	09/09/99	0.016	0.002
Magnesium	09/09/99	ND	0.02
Manganese	09/09/99	0.0053	0.0005
Mercury	09/08/99	ND	0.0001
Nickel	09/09/99	0.0029	0.0005
Potassium	09/09/99	0.363	0.02
Selenium	09/09/99	0.004	0.002
Silver	09/09/99	0.005	0.003
Sodium	09/09/99	7.66	0.02
Thallium	09/09/99	ND	0.003
Vanadium	09/09/99	ND	0.001
Zinc	09/09/99	0.034	0.001

ND = Not Detected, MDL = Method Detection Limit

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 #: 4777
Sample Prepared: 09/21/99

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (mg/L)

Element	Date of Analysis	Result	MDL
Aluminum	09/22/99	ND	0.01
Antimony	09/22/99	0.004	0.002
Arsenic	09/22/99	ND	0.002
Barium	09/22/99	0.0010	0.0005
Beryllium	09/22/99	ND	0.0005
Cadmium	09/22/99	0.0005	0.0005
Calcium	09/22/99	0.241	0.02
Chromium	09/22/99	0.0018	0.0005
Cobalt	09/22/99	ND	0.0005
Copper	09/22/99	0.141	0.003
Iron	09/22/99	0.183	0.01
Lead	09/22/99	ND	0.002
Magnesium	09/22/99	0.137	0.02
Manganese	09/22/99	ND	0.0005
Mercury	09/14/99	ND	0.0001
Nickel	09/22/99	0.0027	0.0005
Potassium	09/22/99	0.232	0.02
Selenium	09/22/99	ND	0.002
Silver	09/22/99	ND	0.003
Sodium	09/22/99	0.186	0.02
Thallium	09/22/99	ND	0.003
Vanadium	09/22/99	ND	0.001
Zinc	09/22/99	0.028	0.001

ND = Not Detected, MDL = Method Detection Limit

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 #: 3425.24
Sample Received: 03/23/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: Field Dup

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	5021	NLE	1.111
Antimony	03/31/98	0.717	14	0.222
Arsenic	03/31/98	4.409	20	0.222
Barium	03/31/98	19.65	700	0.056
Beryllium	03/31/98	0.3926	1	0.056
Cadmium	03/31/98	0.1791	1	0.056
Calcium	03/31/98	421.1	NLE	2.222
Chromium	03/31/98	39.15	NLE	0.056
Cobalt	03/31/98	1.202	NLE	0.056
Copper	03/31/98	10.68	600	0.333
Iron	03/31/98	9427	NLE	1.111
Lead	03/31/98	18.19	100	0.222
Magnesium	03/31/98	1095	NLE	2.222
Manganese	03/31/98	23.91	NLE	0.056
Mercury	03/27/98	0.297	14	0.010
Nickel	03/31/98	4.139	250	0.056
Potassium	03/31/98	3145	NLE	2.222
Selenium	03/31/98	ND	63	0.333
Silver	03/31/98	ND	110	0.333
Sodium	03/31/98	73.27	NLE	2.222
Thallium	03/31/98	ND	2	0.333
Vanadium	03/31/98	21.36	370	0.111
Zinc	03/31/98	176.7	1500	0.111

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 #: 3428.24
Sample Received: 03/24/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: Field Dup.

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	4053	NLE	1.278
Antimony	03/31/98	0.863	14	0.256
Arsenic	03/31/98	14.58	20	0.256
Barium	03/31/98	70.08	700	0.064
Beryllium	03/31/98	0.4958	1	0.064
Cadmium	03/31/98	ND	1	0.064
Calcium	03/31/98	1271	NLE	2.555
Chromium	03/31/98	51.15	NLE	0.064
Cobalt	03/31/98	1.116	NLE	0.064
Copper	03/31/98	17.75	600	0.383
Iron	03/31/98	14460	NLE	1.278
Lead	03/31/98	23.37	100	0.256
Magnesium	03/31/98	1321	NLE	2.555
Manganese	03/31/98	18.91	NLE	0.064
Mercury	04/01/98	0.093	14	0.012
Nickel	03/31/98	3.999	250	0.064
Potassium	03/31/98	4211	NLE	2.555
Selenium	03/31/98	1.305	63	0.383
Silver	03/31/98	ND	110	0.383
Sodium	03/31/98	135.8	NLE	2.555
Thallium	03/31/98	ND	2	0.383
Vanadium	03/31/98	13.25	370	0.128
Zinc	03/31/98	52.61	1500	0.128

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 #: 4754.24
Sample Received: 08/27/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: Field Dup

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	19100	NLE	2.362
Antimony	09/09/99	ND	14	0.472
Arsenic	09/09/99	42.1	20	0.472
Barium	09/09/99	11.8	700	0.118
Beryllium	09/09/99	2.56	1	0.118
Cadmium	09/09/99	0.600	1	0.118
Calcium	09/09/99	426	NLE	4.724
Chromium	09/09/99	295	NLE	0.118
Cobalt	09/09/99	1.22	NLE	0.118
Copper	09/09/99	2.14	600	0.709
Iron	09/09/99	65200	NLE	2.362
Lead	09/09/99	11.3	100	0.472
Magnesium	09/09/99	9420	NLE	4.724
Manganese	09/09/99	23.9	NLE	0.118
Mercury	09/08/99	0.043	14	0.025
Nickel	09/09/99	6.68	250	0.118
Potassium	09/09/99	22100	NLE	4.724
Selenium	09/09/99	ND	63	0.709
Silver	09/09/99	ND	110	0.709
Sodium	09/09/99	187	NLE	4.724
Thallium	09/09/99	ND	2	0.709
Vanadium	09/09/99	121	370	0.236
Zinc	09/09/99	56.8	1500	0.236

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 #: 4762.30
Sample Received: 08/31/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: Field Dup, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	21400	NLE	2.282
Antimony	09/09/99	ND	14	0.456
Arsenic	09/09/99	26.9	20	0.456
Barium	09/09/99	30.1	700	0.114
Beryllium	09/09/99	1.58	1	0.114
Cadmium	09/09/99	0.578	1	0.114
Calcium	09/09/99	669	NLE	4.563
Chromium	09/09/99	193	NLE	0.114
Cobalt	09/09/99	1.48	NLE	0.114
Copper	09/09/99	14.7	600	0.684
Iron	09/09/99	39800	NLE	2.282
Lead	09/09/99	26.7	100	0.456
Magnesium	09/09/99	5370	NLE	4.563
Manganese	09/09/99	54.9	NLE	0.114
Mercury	09/08/99	ND	14	0.025
Nickel	09/09/99	5.95	250	0.114
Potassium	09/09/99	11500	NLE	4.563
Selenium	09/09/99	ND	63	0.684
Silver	09/09/99	ND	110	0.684
Sodium	09/09/99	134	NLE	4.563
Thallium	09/09/99	ND	2	0.684
Vanadium	09/09/99	91.0	370	0.228
Zinc	09/09/99	142	1500	0.228

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 #: 4774.24
Sample Received: 09/07/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: Field Dup, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	10400	NLE	2.237
Antimony	09/09/99	ND	14	0.447
Arsenic	09/09/99	9.67	20	0.447
Barium	09/09/99	98.5	700	0.112
Beryllium	09/09/99	1.07	1	0.112
Cadmium	09/09/99	0.335	1	0.112
Calcium	09/09/99	1200	NLE	4.474
Chromium	09/09/99	97.6	NLE	0.112
Cobalt	09/09/99	3.28	NLE	0.112
Copper	09/09/99	11.5	600	0.671
Iron	09/09/99	24600	NLE	2.237
Lead	09/09/99	18.6	100	0.447
Magnesium	09/09/99	2720	NLE	4.474
Manganese	09/09/99	25.5	NLE	0.112
Mercury	09/08/99	ND	14	0.018
Nickel	09/09/99	9.27	250	0.112
Potassium	09/09/99	5880	NLE	4.474
Selenium	09/09/99	ND	63	0.671
Silver	09/09/99	ND	110	0.671
Sodium	09/09/99	148	NLE	4.474
Thallium	09/09/99	ND	2	0.671
Vanadium	09/09/99	49.5	370	0.224
Zinc	09/09/99	60.6	1500	0.224

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 #: 4790.28
Sample Received: 09/15/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-Field Dup, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	14100	NLE	2.233
Antimony	09/22/99	ND	14	0.447
Arsenic	09/22/99	50.6	20	0.447
Barium	09/22/99	39.1	700	0.112
Beryllium	09/22/99	1.69	1	0.112
Cadmium	09/22/99	0.819	1	0.112
Calcium	09/22/99	1650	NLE	4.466
Chromium	09/22/99	187	NLE	0.112
Cobalt	09/22/99	2.23	NLE	0.112
Copper	09/22/99	49.7	600	0.670
Iron	09/22/99	45200	NLE	2.233
Lead	09/22/99	79.5	400	0.447
Magnesium	09/22/99	5390	NLE	4.466
Manganese	09/22/99	79.6	NLE	0.112
Mercury	09/21/99	ND	14	0.023
Nickel	09/22/99	7.45	250	0.112
Potassium	09/22/99	11700	NLE	4.466
Selenium	09/22/99	ND	63	0.670
Silver	09/22/99	ND	110	0.670
Sodium	09/22/99	119	NLE	4.466
Thallium	09/22/99	ND	2	0.670
Vanadium	09/22/99	89.6	370	0.223
Zinc	09/22/99	142	1500	0.223

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 #: 3420.01
Sample Received: 03/19/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-1

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	5642	NLE	0.977
Antimony	03/31/98	0.710	14	0.195
Arsenic	03/31/98	5.558	20	0.195
Barium	03/31/98	26.94	700	0.049
Beryllium	03/31/98	0.535	1	0.049
Cadmium	03/31/98	1.307	1	0.049
Calcium	03/31/98	172.2	NLE	1.955
Chromium	03/31/98	39.64	NLE	0.049
Cobalt	03/31/98	1.599	NLE	0.049
Copper	03/31/98	6.895	600	0.293
Iron	03/31/98	14940	NLE	0.977
Lead	03/31/98	52.03	100	0.195
Magnesium	03/31/98	1257	NLE	1.955
Manganese	03/31/98	51.87	NLE	0.049
Mercury	03/27/98	29.909	14	6.042
Nickel	03/31/98	4.266	250	0.049
Potassium	03/31/98	3509	NLE	1.955
Selenium	03/31/98	ND	63	0.293
Silver	03/31/98	ND	110	0.293
Sodium	03/31/98	24.61	NLE	1.955
Thallium	03/31/98	ND	2	0.293
Vanadium	03/31/98	22.45	370	0.098
Zinc	03/31/98	48.29	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 #: 3420.03
Sample Received: 03/19/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-2

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	6919	NLE	1.284
Antimony	03/31/98	1.051	14	0.257
Arsenic	03/31/98	10.87	20	0.257
Barium	03/31/98	35.36	700	0.064
Beryllium	03/31/98	0.461	1	0.064
Cadmium	03/31/98	ND	1	0.064
Calcium	03/31/98	251.3	NLE	2.569
Chromium	03/31/98	64.16	NLE	0.064
Cobalt	03/31/98	1.463	NLE	0.064
Copper	03/31/98	40.21	600	0.385
Iron	03/31/98	18570	NLE	1.284
Lead	03/31/98	53.54	100	0.257
Magnesium	03/31/98	1477	NLE	2.569
Manganese	03/31/98	17.21	NLE	0.064
Mercury	03/27/98	0.390	14	0.014
Nickel	03/31/98	5.328	250	0.064
Potassium	03/31/98	3656	NLE	2.569
Selenium	03/31/98	0.885	63	0.385
Silver	03/31/98	1.571	110	0.385
Sodium	03/31/98	207.6	NLE	2.569
Thallium	03/31/98	ND	2	0.385
Vanadium	03/31/98	32.82	370	0.128
Zinc	03/31/98	29.07	1500	0.128

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 #: 3420.05
Sample Received: 03/19/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-3

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	12820	NLE	1.237
Antimony	03/31/98	2.367	14	0.247
Arsenic	03/31/98	12.76	20	0.247
Barium	03/31/98	49.88	700	0.062
Beryllium	03/31/98	1.180	1	0.062
Cadmium	03/31/98	ND	1	0.062
Calcium	03/31/98	320.3	NLE	2.474
Chromium	03/31/98	135.6	NLE	0.062
Cobalt	03/31/98	1.435	NLE	0.062
Copper	03/31/98	18.34	600	0.371
Iron	03/31/98	37620	NLE	1.237
Lead	03/31/98	65.37	100	0.247
Magnesium	03/31/98	4207	NLE	2.474
Manganese	03/31/98	21.31	NLE	0.062
Mercury	03/27/98	0.210	14	0.013
Nickel	03/31/98	6.129	250	0.062
Potassium	03/31/98	8666	NLE	2.474
Selenium	03/31/98	ND	63	0.371
Silver	03/31/98	1.699	110	0.371
Sodium	03/31/98	91.26	NLE	2.474
Thallium	03/31/98	ND	2	0.371
Vanadium	03/31/98	65.10	370	0.124
Zinc	03/31/98	51.51	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 #: 3420.07
Sample Received: 03/19/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-4

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	9691	NLE	1.212
Antimony	03/31/98	1.731	14	0.242
Arsenic	03/31/98	10.61	20	0.242
Barium	03/31/98	60.55	700	0.061
Beryllium	03/31/98	0.555	1	0.061
Cadmium	03/31/98	ND	1	0.061
Calcium	03/31/98	383.6	NLE	2.424
Chromium	03/31/98	80.22	NLE	0.061
Cobalt	03/31/98	1.243	NLE	0.061
Copper	03/31/98	45.30	600	0.364
Iron	03/31/98	45290	NLE	1.212
Lead	03/31/98	33.97	100	0.242
Magnesium	03/31/98	2117	NLE	2.424
Manganese	03/31/98	25.55	NLE	0.061
Mercury	03/27/98	0.051	14	0.012
Nickel	03/31/98	5.360	250	0.061
Potassium	03/31/98	5885	NLE	2.424
Selenium	03/31/98	0.429	63	0.364
Silver	03/31/98	ND	110	0.364
Sodium	03/31/98	574.1	NLE	2.424
Thallium	03/31/98	ND	2	0.364
Vanadium	03/31/98	58.32	370	0.121
Zinc	03/31/98	42.63	1500	0.121

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 #: 3420.09
Sample Received: 03/19/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-5

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	5612	NLE	1.336
Antimony	03/31/98	1.483	14	0.267
Arsenic	03/31/98	11.11	20	0.267
Barium	03/31/98	85.09	700	0.067
Beryllium	03/31/98	0.664	1	0.067
Cadmium	03/31/98	ND	1	0.067
Calcium	03/31/98	488.9	NLE	2.672
Chromium	03/31/98	75.81	NLE	0.067
Cobalt	03/31/98	1.208	NLE	0.067
Copper	03/31/98	50.19	600	0.401
Iron	03/31/98	23110	NLE	1.336
Lead	03/31/98	32.95	100	0.267
Magnesium	03/31/98	2073	NLE	2.672
Manganese	03/31/98	16.93	NLE	0.067
Mercury	03/27/98	0.050	14	0.012
Nickel	03/31/98	4.669	250	0.067
Potassium	03/31/98	6901	NLE	2.672
Selenium	03/31/98	1.159	63	0.401
Silver	03/31/98	ND	110	0.401
Sodium	03/31/98	411.4	NLE	2.672
Thallium	03/31/98	ND	2	0.401
Vanadium	03/31/98	29.18	370	0.134
Zinc	03/31/98	24.21	1500	0.134

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 #: 3420.11
Sample Received: 03/19/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-6

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	6598	NLE	1.187
Antimony	03/31/98	1.046	14	0.237
Arsenic	03/31/98	9.919	20	0.237
Barium	03/31/98	44.48	700	0.059
Beryllium	03/31/98	0.4763	1	0.059
Cadmium	03/31/98	ND	1	0.059
Calcium	03/31/98	338.2	NLE	2.373
Chromium	03/31/98	61.98	NLE	0.059
Cobalt	03/31/98	1.372	NLE	0.059
Copper	03/31/98	46.45	600	0.356
Iron	03/31/98	19700	NLE	1.187
Lead	03/31/98	67.67	100	0.237
Magnesium	03/31/98	1905	NLE	2.373
Manganese	03/31/98	22.75	NLE	0.059
Mercury	03/27/98	0.118	14	0.014
Nickel	03/31/98	5.057	250	0.059
Potassium	03/31/98	5405	NLE	2.373
Selenium	03/31/98	0.709	63	0.356
Silver	03/31/98	ND	110	0.356
Sodium	03/31/98	376.3	NLE	2.373
Thallium	03/31/98	ND	2	0.356
Vanadium	03/31/98	31.03	370	0.119
Zinc	03/31/98	36.88	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 #: 3420.13
Sample Received: 03/19/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-7

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	8075	NLE	1.314
Antimony	03/31/98	1.001	14	0.263
Arsenic	03/31/98	17.43	20	0.263
Barium	03/31/98	74.22	700	0.066
Beryllium	03/31/98	0.5101	1	0.066
Cadmium	03/31/98	ND	1	0.066
Calcium	03/31/98	223.3	NLE	2.627
Chromium	03/31/98	83.75	NLE	0.066
Cobalt	03/31/98	1.415	NLE	0.066
Copper	03/31/98	45.52	600	0.394
Iron	03/31/98	27560	NLE	1.314
Lead	03/31/98	77.75	100	0.263
Magnesium	03/31/98	1914	NLE	2.627
Manganese	03/31/98	22.02	NLE	0.066
Mercury	03/27/98	0.234	14	0.012
Nickel	03/31/98	5.464	250	0.066
Potassium	03/31/98	5755	NLE	2.627
Selenium	03/31/98	1.033	63	0.394
Silver	03/31/98	0.581	110	0.394
Sodium	03/31/98	646.7	NLE	2.627
Thallium	03/31/98	ND	2	0.394
Vanadium	03/31/98	40.81	370	0.131
Zinc	03/31/98	36.02	1500	0.131

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 #: 3420.15
Sample Received: 03/19/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-8

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	5616	NLE	1.271
Antimony	03/31/98	1.034	14	0.254
Arsenic	03/31/98	6.688	20	0.254
Barium	03/31/98	289.3	700	0.064
Beryllium	03/31/98	0.6405	1	0.064
Cadmium	03/31/98	ND	1	0.064
Calcium	03/31/98	453.0	NLE	2.542
Chromium	03/31/98	42.50	NLE	0.064
Cobalt	03/31/98	1.515	NLE	0.064
Copper	03/31/98	197.1	600	0.381
Iron	03/31/98	13090	NLE	1.271
Lead	03/31/98	84.35	100	0.254
Magnesium	03/31/98	1314	NLE	2.542
Manganese	03/31/98	35.40	NLE	0.064
Mercury	03/27/98	0.012	14	0.000
Nickel	03/31/98	4.738	250	0.064
Potassium	03/31/98	4024	NLE	2.542
Selenium	03/31/98	0.394	63	0.381
Silver	03/31/98	1.013	110	0.381
Sodium	03/31/98	229.5	NLE	2.542
Thallium	03/31/98	ND	2	0.381
Vanadium	03/31/98	30.22	370	0.127
Zinc	03/31/98	49.93	1500	0.127

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 #: 3420.17
Sample Received: 03/19/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-9

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	12110	NLE	1.217
Antimony	03/31/98	3.401	14	0.243
Arsenic	03/31/98	38.02	20	0.243
Barium	03/31/98	60.36	700	0.061
Beryllium	03/31/98	1.304	1	0.061
Cadmium	03/31/98	ND	1	0.061
Calcium	03/31/98	594.4	NLE	2.433
Chromium	03/31/98	133.9	NLE	0.061
Cobalt	03/31/98	1.896	NLE	0.061
Copper	03/31/98	141.7	600	0.365
Iron	03/31/98	41770	NLE	1.217
Lead	03/31/98	123.5	100	0.243
Magnesium	03/31/98	3514	NLE	2.433
Manganese	03/31/98	32.09	NLE	0.061
Mercury	03/27/98	1.461	14	0.325
Nickel	03/31/98	8.985	250	0.061
Potassium	03/31/98	7195	NLE	2.433
Selenium	03/31/98	1.374	63	0.365
Silver	03/31/98	1.493	110	0.365
Sodium	03/31/98	139.0	NLE	2.433
Thallium	03/31/98	ND	2	0.365
Vanadium	03/31/98	54.67	370	0.122
Zinc	03/31/98	112.4	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 #: 3424.02
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-10

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	4508	NLE	0.978
Antimony	03/31/98	0.580	14	0.196
Arsenic	03/31/98	7.287	20	0.196
Barium	03/31/98	54.95	700	0.049
Beryllium	03/31/98	0.7108	1	0.049
Cadmium	03/31/98	ND	1	0.049
Calcium	03/31/98	376.9	NLE	1.956
Chromium	03/31/98	37.92	NLE	0.049
Cobalt	03/31/98	5.776	NLE	0.049
Copper	03/31/98	112.0	600	0.293
Iron	03/31/98	13640	NLE	0.978
Lead	03/31/98	95.11	100	0.196
Magnesium	03/31/98	745.9	NLE	1.956
Manganese	03/31/98	24.13	NLE	0.049
Mercury	03/27/98	0.501	14	0.055
Nickel	03/31/98	13.03	250	0.049
Potassium	03/31/98	1989	NLE	1.956
Selenium	03/31/98	0.589	63	0.293
Silver	03/31/98	0.548	110	0.293
Sodium	03/31/98	196.5	NLE	1.956
Thallium	03/31/98	ND	2	0.293
Vanadium	03/31/98	21.20	370	0.098
Zinc	03/31/98	416.3	1500	0.098

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 #: 3424.04
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-11

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	10700	NLE	1.085
Antimony	03/31/98	2.641	14	0.217
Arsenic	03/31/98	12.19	20	0.217
Barium	03/31/98	42.85	700	0.054
Beryllium	03/31/98	1.462	1	0.054
Cadmium	03/31/98	ND	1	0.054
Calcium	03/31/98	333.2	NLE	2.171
Chromium	03/31/98	168.8	NLE	0.054
Cobalt	03/31/98	0.7841	NLE	0.054
Copper	03/31/98	12.21	600	0.326
Iron	03/31/98	31460	NLE	1.085
Lead	03/31/98	11.72	100	0.217
Magnesium	03/31/98	4609	NLE	2.171
Manganese	03/31/98	10.60	NLE	0.054
Mercury	03/27/98	0.061	14	0.011
Nickel	03/31/98	4.273	250	0.054
Potassium	03/31/98	10140	NLE	2.171
Selenium	03/31/98	0.505	63	0.326
Silver	03/31/98	ND	110	0.326
Sodium	03/31/98	124.1	NLE	2.171
Thallium	03/31/98	ND	2	0.326
Vanadium	03/31/98	48.00	370	0.109
Zinc	03/31/98	48.45	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 #: 3424.06
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-12

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	5997	NLE	1.046
Antimony	03/31/98	1.738	14	0.209
Arsenic	03/31/98	7.383	20	0.209
Barium	03/31/98	50.36	700	0.052
Beryllium	03/31/98	0.7754	1	0.052
Cadmium	03/31/98	ND	1	0.052
Calcium	03/31/98	205.5	NLE	2.093
Chromium	03/31/98	90.86	NLE	0.052
Cobalt	03/31/98	0.5523	NLE	0.052
Copper	03/31/98	13.34	600	0.314
Iron	03/31/98	16200	NLE	1.046
Lead	03/31/98	16.93	100	0.209
Magnesium	03/31/98	2133	NLE	2.093
Manganese	03/31/98	9.861	NLE	0.052
Mercury	03/27/98	0.085	14	0.012
Nickel	03/31/98	2.672	250	0.052
Potassium	03/31/98	4544	NLE	2.093
Selenium	03/31/98	ND	63	0.314
Silver	03/31/98	ND	110	0.314
Sodium	03/31/98	71.27	NLE	2.093
Thallium	03/31/98	ND	2	0.314
Vanadium	03/31/98	16.35	370	0.105
Zinc	03/31/98	34.98	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 #: 3424.08
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-13

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	7942	NLE	1.150
Antimony	03/31/98	2.273	14	0.230
Arsenic	03/31/98	13.66	20	0.230
Barium	03/31/98	65.44	700	0.057
Beryllium	03/31/98	0.9925	1	0.057
Cadmium	03/31/98	ND	1	0.057
Calcium	03/31/98	360.0	NLE	2.300
Chromium	03/31/98	124.6	NLE	0.057
Cobalt	03/31/98	0.8438	NLE	0.057
Copper	03/31/98	6.003	600	0.345
Iron	03/31/98	21030	NLE	1.150
Lead	03/31/98	3.550	100	0.230
Magnesium	03/31/98	2946	NLE	2.300
Manganese	03/31/98	7.919	NLE	0.057
Mercury	03/27/98	0.015	14	0.011
Nickel	03/31/98	3.231	250	0.057
Potassium	03/31/98	6153	NLE	2.300
Selenium	03/31/98	ND	63	0.345
Silver	03/31/98	ND	110	0.345
Sodium	03/31/98	72.53	NLE	2.300
Thallium	03/31/98	ND	2	0.345
Vanadium	03/31/98	13.61	370	0.115
Zinc	03/31/98	54.28	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 #: 3424.10
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-14

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	2469	NLE	1.050
Antimony	03/31/98	0.467	14	0.210
Arsenic	03/31/98	1.655	20	0.210
Barium	03/31/98	10.62	700	0.053
Beryllium	03/31/98	0.2271	1	0.053
Cadmium	03/31/98	0.0659	1	0.053
Calcium	03/31/98	81.68	NLE	2.100
Chromium	03/31/98	24.03	NLE	0.053
Cobalt	03/31/98	0.3294	NLE	0.053
Copper	03/31/98	4.121	600	0.315
Iron	03/31/98	4887	NLE	1.050
Lead	03/31/98	4.462	100	0.210
Magnesium	03/31/98	456.8	NLE	2.100
Manganese	03/31/98	5.807	NLE	0.053
Mercury	03/27/98	0.021	14	0.011
Nickel	03/31/98	1.820	250	0.053
Potassium	03/31/98	1171	NLE	2.100
Selenium	03/31/98	ND	63	0.315
Silver	03/31/98	ND	110	0.315
Sodium	03/31/98	30.94	NLE	2.100
Thallium	03/31/98	ND	2	0.315
Vanadium	03/31/98	12.98	370	0.105
Zinc	03/31/98	12.55	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 #: 3424.12
Sample Received: 03/10/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-15

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	2620	NLE	1.258
Antimony	03/31/98	0.345	14	0.252
Arsenic	03/31/98	2.987	20	0.252
Barium	03/31/98	28.31	700	0.063
Beryllium	03/31/98	0.2784	1	0.063
Cadmium	03/31/98	ND	1	0.063
Calcium	03/31/98	650.6	NLE	2.515
Chromium	03/31/98	7.636	NLE	0.063
Cobalt	03/31/98	1.586	NLE	0.063
Copper	03/31/98	81.92	600	0.377
Iron	03/31/98	4008	NLE	1.258
Lead	03/31/98	21.63	100	0.252
Magnesium	03/31/98	286.1	NLE	2.515
Manganese	03/31/98	13.92	NLE	0.063
Mercury	03/27/98	0.045	14	0.011
Nickel	03/31/98	4.973	250	0.063
Potassium	03/31/98	530.5	NLE	2.515
Selenium	03/31/98	0.383	63	0.377
Silver	03/31/98	ND	110	0.377
Sodium	03/31/98	136.2	NLE	2.515
Thallium	03/31/98	ND	2	0.377
Vanadium	03/31/98	12.17	370	0.126
Zinc	03/31/98	15.35	1500	0.126

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 #: 3424.14
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-16

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	4328	NLE	1.189
Antimony	03/31/98	1.020	14	0.238
Arsenic	03/31/98	3.420	20	0.238
Barium	03/31/98	72.64	700	0.059
Beryllium	03/31/98	0.8532	1	0.059
Cadmium	03/31/98	0.6784	1	0.059
Calcium	03/31/98	2110	NLE	2.379
Chromium	03/31/98	31.38	NLE	0.059
Cobalt	03/31/98	3.902	NLE	0.059
Copper	03/31/98	31.96	600	0.357
Iron	03/31/98	6384	NLE	1.189
Lead	03/31/98	75.93	100	0.238
Magnesium	03/31/98	326.9	NLE	2.379
Manganese	03/31/98	29.19	NLE	0.059
Mercury	03/27/98	0.258	14	0.013
Nickel	03/31/98	11.59	250	0.059
Potassium	03/31/98	595.0	NLE	2.379
Selenium	03/31/98	0.528	63	0.357
Silver	03/31/98	ND	110	0.357
Sodium	03/31/98	228.9	NLE	2.379
Thallium	03/31/98	ND	2	0.357
Vanadium	03/31/98	14.33	370	0.119
Zinc	03/31/98	55.18	1500	0.119

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 #: 3424.16
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-17

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	5798	NLE	1.138
Antimony	03/31/98	1.526	14	0.228
Arsenic	03/31/98	7.245	20	0.228
Barium	03/31/98	138.7	700	0.057
Beryllium	03/31/98	0.5120	1	0.057
Cadmium	03/31/98	0.1049	1	0.057
Calcium	03/31/98	3422	NLE	2.275
Chromium	03/31/98	7.333	NLE	0.057
Cobalt	03/31/98	2.603	NLE	0.057
Copper	03/31/98	22.16	600	0.341
Iron	03/31/98	13410	NLE	1.138
Lead	03/31/98	83.68	100	0.228
Magnesium	03/31/98	311.6	NLE	2.275
Manganese	03/31/98	36.44	NLE	0.057
Mercury	03/27/98	0.021	14	0.013
Nickel	03/31/98	10.22	250	0.057
Potassium	03/31/98	464.3	NLE	2.275
Selenium	03/31/98	0.453	63	0.341
Silver	03/31/98	ND	110	0.341
Sodium	03/31/98	249.3	NLE	2.275
Thallium	03/31/98	ND	2	0.341
Vanadium	03/31/98	16.03	370	0.114
Zinc	03/31/98	70.97	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 #: 3424.18
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-18

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	1336	NLE	1.332
Antimony	03/31/98	0.319	14	0.266
Arsenic	03/31/98	1.479	20	0.266
Barium	03/31/98	59.20	700	0.067
Beryllium	03/31/98	0.1552	1	0.067
Cadmium	03/31/98	0.1673	1	0.067
Calcium	03/31/98	1379	NLE	2.664
Chromium	03/31/98	2.010	NLE	0.067
Cobalt	03/31/98	1.813	NLE	0.067
Copper	03/31/98	12.58	600	0.400
Iron	03/31/98	1710	NLE	1.332
Lead	03/31/98	4.709	100	0.266
Magnesium	03/31/98	165.3	NLE	2.664
Manganese	03/31/98	10.51	NLE	0.067
Mercury	03/27/98	0.017	14	0.013
Nickel	03/31/98	5.396	250	0.067
Potassium	03/31/98	176.6	NLE	2.664
Selenium	03/31/98	0.521	63	0.400
Silver	03/31/98	ND	110	0.400
Sodium	03/31/98	170.6	NLE	2.664
Thallium	03/31/98	ND	2	0.400
Vanadium	03/31/98	7.215	370	0.133
Zinc	03/31/98	59.54	1500	0.133

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 #: 3424.20
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-19

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	3624	NLE	1.247
Antimony	03/31/98	1.340	14	0.249
Arsenic	03/31/98	6.735	20	0.249
Barium	03/31/98	71.49	700	0.062
Beryllium	03/31/98	1.148	1	0.062
Cadmium	03/31/98	0.7389	1	0.062
Calcium	03/31/98	1033	NLE	2.494
Chromium	03/31/98	32.18	NLE	0.062
Cobalt	03/31/98	6.331	NLE	0.062
Copper	03/31/98	182.0	600	0.374
Iron	03/31/98	11100	NLE	1.247
Lead	03/31/98	149.2	100	0.249
Magnesium	03/31/98	832.9	NLE	2.494
Manganese	03/31/98	37.97	NLE	0.062
Mercury	03/27/98	0.138	14	0.013
Nickel	03/31/98	17.57	250	0.062
Potassium	03/31/98	1968	NLE	2.494
Selenium	03/31/98	0.818	63	0.374
Silver	03/31/98	ND	110	0.374
Sodium	03/31/98	141.0	NLE	2.494
Thallium	03/31/98	ND	2	0.374
Vanadium	03/31/98	18.92	370	0.125
Zinc	03/31/98	619.7	1500	0.125

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 #: 3425.02
Sample Received: 03/23/98
Sample Matrix: Soil

Site: M-12
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	4607	NLE	0.853
Antimony	03/31/98	0.947	14	0.171
Arsenic	03/31/98	5.143	20	0.171
Barium	03/31/98	13.94	700	0.043
Beryllium	03/31/98	0.492	1	0.043
Cadmium	03/31/98	ND	1	0.043
Calcium	03/31/98	494.4	NLE	1.706
Chromium	03/31/98	60.39	NLE	0.043
Cobalt	03/31/98	0.368	NLE	0.043
Copper	03/31/98	7.432	600	0.256
Iron	03/31/98	11940	NLE	0.853
Lead	03/31/98	9.944	100	0.171
Magnesium	03/31/98	1600	NLE	1.706
Manganese	03/31/98	5.166	NLE	0.043
Mercury	03/27/98	0.058	14	0.011
Nickel	03/31/98	2.437	250	0.043
Potassium	03/31/98	2931	NLE	1.706
Selenium	03/31/98	ND	63	0.256
Silver	03/31/98	ND	110	0.256
Sodium	03/31/98	36.77	NLE	1.706
Thallium	03/31/98	0.502	2	0.256
Vanadium	03/31/98	22.07	370	0.085
Zinc	03/31/98	35.67	1500	0.085

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 #: 3425.04
Sample Received: 03/23/98
Sample Matrix: Soil

Site: M-12
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	3855	NLE	1.287
Antimony	03/31/98	1.281	14	0.257
Arsenic	03/31/98	4.345	20	0.257
Barium	03/31/98	29.90	700	0.064
Beryllium	03/31/98	0.3599	1	0.064
Cadmium	03/31/98	0.9103	1	0.064
Calcium	03/31/98	320.3	NLE	2.573
Chromium	03/31/98	59.63	NLE	0.064
Cobalt	03/31/98	1.067	NLE	0.064
Copper	03/31/98	502.4	600	0.386
Iron	03/31/98	12300	NLE	1.287
Lead	03/31/98	404.4	100	0.257
Magnesium	03/31/98	654.0	NLE	2.573
Manganese	03/31/98	36.35	NLE	0.064
Mercury	03/27/98	0.493	14	0.052
Nickel	03/31/98	11.76	250	0.064
Potassium	03/31/98	1611	NLE	2.573
Selenium	03/31/98	ND	63	0.386
Silver	03/31/98	1.180	110	0.386
Sodium	03/31/98	54.23	NLE	2.573
Thallium	03/31/98	ND	2	0.386
Vanadium	03/31/98	16.46	370	0.129
Zinc	03/31/98	753.8	1500	0.129

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 #: 3425.06
Sample Received: 03/23/98
Sample Matrix: Soil

Site: M-12
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	5241	NLE	1.283
Antimony	03/31/98	0.458	14	0.257
Arsenic	03/31/98	4.688	20	0.257
Barium	03/31/98	15.92	700	0.064
Beryllium	03/31/98	0.4215	1	0.064
Cadmium	03/31/98	1.677	1	0.064
Calcium	03/31/98	3112	NLE	2.565
Chromium	03/31/98	12.92	NLE	0.064
Cobalt	03/31/98	2.251	NLE	0.064
Copper	03/31/98	35.26	600	0.385
Iron	03/31/98	6758	NLE	1.283
Lead	03/31/98	22.43	100	0.257
Magnesium	03/31/98	322.6	NLE	2.565
Manganese	03/31/98	126.3	NLE	0.064
Mercury	03/27/98	0.683	14	0.062
Nickel	03/31/98	5.666	250	0.064
Potassium	03/31/98	621.1	NLE	2.565
Selenium	03/31/98	ND	63	0.385
Silver	03/31/98	ND	110	0.385
Sodium	03/31/98	110.2	NLE	2.565
Thallium	03/31/98	ND	2	0.385
Vanadium	03/31/98	11.38	370	0.128
Zinc	03/31/98	910.2	1500	0.128

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 #: 3425.08
Sample Received: 03/23/98
Sample Matrix: Soil

Site: M-12
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	8348	NLE	1.312
Antimony	03/31/98	0.653	14	0.262
Arsenic	03/31/98	5.923	20	0.262
Barium	03/31/98	42.62	700	0.066
Beryllium	03/31/98	0.8002	1	0.066
Cadmium	03/31/98	0.549	1	0.066
Calcium	03/31/98	556.0	NLE	2.624
Chromium	03/31/98	41.83	NLE	0.066
Cobalt	03/31/98	4.349	NLE	0.066
Copper	03/31/98	80.43	600	0.394
Iron	03/31/98	11120	NLE	1.312
Lead	03/31/98	149.0	100	0.262
Magnesium	03/31/98	1102	NLE	2.624
Manganese	03/31/98	64.37	NLE	0.066
Mercury	03/27/98	0.092	14	0.012
Nickel	03/31/98	16.19	250	0.066
Potassium	03/31/98	3165	NLE	2.624
Selenium	03/31/98	0.952	63	0.394
Silver	03/31/98	ND	110	0.394
Sodium	03/31/98	25.22	NLE	2.624
Thallium	03/31/98	ND	2	0.394
Vanadium	03/31/98	29.96	370	0.131
Zinc	03/31/98	195.6	1500	0.131

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 #: 3425.10
Sample Received: 03/23/98
Sample Matrix: Soil

Site: M-12
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	3407	NLE	1.017
Antimony	03/31/98	0.458	14	0.203
Arsenic	03/31/98	2.446	20	0.203
Barium	03/31/98	18.26	700	0.051
Beryllium	03/31/98	0.2194	1	0.051
Cadmium	03/31/98	0.2835	1	0.051
Calcium	03/31/98	445.1	NLE	2.034
Chromium	03/31/98	19.37	NLE	0.051
Cobalt	03/31/98	0.5124	NLE	0.051
Copper	03/31/98	7.057	600	0.305
Iron	03/31/98	4743	NLE	1.017
Lead	03/31/98	13.96	100	0.203
Magnesium	03/31/98	555.1	NLE	2.034
Manganese	03/31/98	14.35	NLE	0.051
Mercury	03/27/98	0.031	14	0.011
Nickel	03/31/98	2.344	250	0.051
Potassium	03/31/98	1315	NLE	2.034
Selenium	03/31/98	ND	63	0.305
Silver	03/31/98	ND	110	0.305
Sodium	03/31/98	61.06	NLE	2.034
Thallium	03/31/98	ND	2	0.305
Vanadium	03/31/98	13.33	370	0.102
Zinc	03/31/98	38.34	1500	0.102

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 #: 3425.12
Sample Received: 03/23/98
Sample Matrix: Soil

Site: M-12
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	4485	NLE	1.058
Antimony	03/31/98	0.787	14	0.212
Arsenic	03/31/98	6.348	20	0.212
Barium	03/31/98	31.35	700	0.053
Beryllium	03/31/98	0.3329	1	0.053
Cadmium	03/31/98	1.219	1	0.053
Calcium	03/31/98	530.7	NLE	2.116
Chromium	03/31/98	31.53	NLE	0.053
Cobalt	03/31/98	0.9139	NLE	0.053
Copper	03/31/98	13.97	600	0.317
Iron	03/31/98	8822	NLE	1.058
Lead	03/31/98	33.86	100	0.212
Magnesium	03/31/98	689.6	NLE	2.116
Manganese	03/31/98	9.481	NLE	0.053
Mercury	03/27/98	0.160	14	0.011
Nickel	03/31/98	4.075	250	0.053
Potassium	03/31/98	1472	NLE	2.116
Selenium	03/31/98	0.341	63	0.317
Silver	03/31/98	ND	110	0.317
Sodium	03/31/98	50.03	NLE	2.116
Thallium	03/31/98	ND	2	0.317
Vanadium	03/31/98	22.48	370	0.106
Zinc	03/31/98	120.4	1500	0.106

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 #: 3425.14
Sample Received: 03/23/98
Sample Matrix: Soil

Site: M-12
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	2628	NLE	1.207
Antimony	03/31/98	0.371	14	0.241
Arsenic	03/31/98	1.722	20	0.241
Barium	03/31/98	7.015	700	0.060
Beryllium	03/31/98	0.1691	1	0.060
Cadmium	03/31/98	ND	1	0.060
Calcium	03/31/98	273.4	NLE	2.415
Chromium	03/31/98	17.93	NLE	0.060
Cobalt	03/31/98	0.6978	NLE	0.060
Copper	03/31/98	5.848	600	0.362
Iron	03/31/98	4258	NLE	1.207
Lead	03/31/98	6.379	100	0.241
Magnesium	03/31/98	440.2	NLE	2.415
Manganese	03/31/98	10.97	NLE	0.060
Mercury	03/27/98	0.020	14	0.011
Nickel	03/31/98	1.512	250	0.060
Potassium	03/31/98	711.2	NLE	2.415
Selenium	03/31/98	ND	63	0.362
Silver	03/31/98	ND	110	0.362
Sodium	03/31/98	24.80	NLE	2.415
Thallium	03/31/98	ND	2	0.362
Vanadium	03/31/98	11.77	370	0.121
Zinc	03/31/98	26.73	1500	0.121

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 #: 3425.16
Sample Received: 03/23/98
Sample Matrix: Soil

Site: M-12
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	8444	NLE	1.289
Antimony	03/31/98	2.104	14	0.258
Arsenic	03/31/98	21.54	20	0.258
Barium	03/31/98	14.10	700	0.064
Beryllium	03/31/98	0.9307	1	0.064
Cadmium	03/31/98	ND	1	0.064
Calcium	03/31/98	1138	NLE	2.578
Chromium	03/31/98	125.1	NLE	0.064
Cobalt	03/31/98	0.7505	NLE	0.064
Copper	03/31/98	21.01	600	0.387
Iron	03/31/98	20310	NLE	1.289
Lead	03/31/98	18.90	100	0.258
Magnesium	03/31/98	2896	NLE	2.578
Manganese	03/31/98	20.80	NLE	0.064
Mercury	03/27/98	0.013	14	0.012
Nickel	03/31/98	3.944	250	0.064
Potassium	03/31/98	5945	NLE	2.578
Selenium	03/31/98	ND	63	0.387
Silver	03/31/98	ND	110	0.387
Sodium	03/31/98	86.46	NLE	2.578
Thallium	03/31/98	ND	2	0.387
Vanadium	03/31/98	16.77	370	0.129
Zinc	03/31/98	45.95	1500	0.129

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 #: 3425.18
Sample Received: 03/23/98
Sample Matrix: Soil

Site: M-12
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	8185	NLE	0.987
Antimony	03/31/98	1.951	14	0.197
Arsenic	03/31/98	19.35	20	0.197
Barium	03/31/98	13.03	700	0.049
Beryllium	03/31/98	0.9068	1	0.049
Cadmium	03/31/98	ND	1	0.049
Calcium	03/31/98	2421	NLE	1.974
Chromium	03/31/98	131.8	NLE	0.049
Cobalt	03/31/98	0.6415	NLE	0.049
Copper	03/31/98	5.498	600	0.296
Iron	03/31/98	21280	NLE	0.987
Lead	03/31/98	4.030	100	0.197
Magnesium	03/31/98	3065	NLE	1.974
Manganese	03/31/98	17.65	NLE	0.049
Mercury	03/27/98	0.013	14	0.012
Nickel	03/31/98	3.926	250	0.049
Potassium	03/31/98	6312	NLE	1.974
Selenium	03/31/98	ND	63	0.296
Silver	03/31/98	ND	110	0.296
Sodium	03/31/98	65.74	NLE	1.974
Thallium	03/31/98	ND	2	0.296
Vanadium	03/31/98	19.77	370	0.099
Zinc	03/31/98	27.66	1500	0.099

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 #: 3425.20
Sample Received: 03/23/98
Sample Matrix: Soil

Site: M-12
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	7810	NLE	1.299
Antimony	03/31/98	1.980	14	0.260
Arsenic	03/31/98	24.33	20	0.260
Barium	03/31/98	9.416	700	0.065
Beryllium	03/31/98	0.9298	1	0.065
Cadmium	03/31/98	ND	1	0.065
Calcium	03/31/98	832.5	NLE	2.599
Chromium	03/31/98	123.9	NLE	0.065
Cobalt	03/31/98	0.8132	NLE	0.065
Copper	03/31/98	5.660	600	0.390
Iron	03/31/98	18960	NLE	1.299
Lead	03/31/98	4.268	100	0.260
Magnesium	03/31/98	3019	NLE	2.599
Manganese	03/31/98	14.72	NLE	0.065
Mercury	03/27/98	ND	14	0.013
Nickel	03/31/98	3.968	250	0.065
Potassium	03/31/98	6000	NLE	2.599
Selenium	03/31/98	ND	63	0.390
Silver	03/31/98	ND	110	0.390
Sodium	03/31/98	65.74	NLE	2.599
Thallium	03/31/98	ND	2	0.390
Vanadium	03/31/98	16.38	370	0.130
Zinc	03/31/98	28.30	1500	0.130

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 #: 3425.22
Sample Received: 03/23/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-30

TAL-METALS RESULTS SUMMARY (mg/Kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	5413	NLE	1.263
Antimony	03/31/98	1.448	14	0.253
Arsenic	03/31/98	14.68	20	0.253
Barium	03/31/98	70.55	700	0.063
Beryllium	03/31/98	0.6609	1	0.063
Cadmium	03/31/98	0.1488	1	0.063
Calcium	03/31/98	1231	NLE	2.526
Chromium	03/31/98	67.89	NLE	0.063
Cobalt	03/31/98	1.317	NLE	0.063
Copper	03/31/98	47.89	600	0.379
Iron	03/31/98	16300	NLE	1.263
Lead	03/31/98	56.31	100	0.253
Magnesium	03/31/98	1883	NLE	2.526
Manganese	03/31/98	46.26	NLE	0.063
Mercury	03/27/98	0.108	14	0.011
Nickel	03/31/98	4.600	250	0.063
Potassium	03/31/98	5250	NLE	2.526
Selenium	03/31/98	ND	63	0.379
Silver	03/31/98	ND	110	0.379
Sodium	03/31/98	135.0	NLE	2.526
Thallium	03/31/98	ND	2	0.379
Vanadium	03/31/98	18.24	370	0.126
Zinc	03/31/98	65.28	1500	0.126

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 #: 3428.02
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-31

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	4364	NLE	1.312
Antimony	03/31/98	1.060	14	0.262
Arsenic	03/31/98	11.32	20	0.262
Barium	03/31/98	61.24	700	0.066
Beryllium	03/31/98	0.5325	1	0.066
Cadmium	03/31/98	0.1458	1	0.066
Calcium	03/31/98	1396	NLE	2.623
Chromium	03/31/98	54.13	NLE	0.066
Cobalt	03/31/98	1.087	NLE	0.066
Copper	03/31/98	20.64	600	0.393
Iron	03/31/98	13620	NLE	1.312
Lead	03/31/98	32.83	100	0.262
Magnesium	03/31/98	1631	NLE	2.623
Manganese	03/31/98	37.65	NLE	0.066
Mercury	04/01/98	0.076	14	0.012
Nickel	03/31/98	3.909	250	0.066
Potassium	03/31/98	4738	NLE	2.623
Selenium	03/31/98	0.450	63	0.393
Silver	03/31/98	ND	110	0.393
Sodium	03/31/98	81.76	NLE	2.623
Thallium	03/31/98	ND	2	0.393
Vanadium	03/31/98	16.48	370	0.131
Zinc	03/31/98	54.90	1500	0.131

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 #: 3428.04
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-32

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	5564	NLE	1.287
Antimony	03/31/98	0.687	14	0.257
Arsenic	03/31/98	8.863	20	0.257
Barium	03/31/98	46.39	700	0.064
Beryllium	03/31/98	0.5311	1	0.064
Cadmium	03/31/98	0.2347	1	0.064
Calcium	03/31/98	1394	NLE	2.574
Chromium	03/31/98	43.96	NLE	0.064
Cobalt	03/31/98	1.799	NLE	0.064
Copper	03/31/98	35.33	600	0.386
Iron	03/31/98	12970	NLE	1.287
Lead	03/31/98	45.47	100	0.257
Magnesium	03/31/98	1474	NLE	2.574
Manganese	03/31/98	64.16	NLE	0.064
Mercury	04/01/98	0.073	14	0.013
Nickel	03/31/98	7.046	250	0.064
Potassium	03/31/98	3611	NLE	2.574
Selenium	03/31/98	0.683	63	0.386
Silver	03/31/98	ND	110	0.386
Sodium	03/31/98	174.0	NLE	2.574
Thallium	03/31/98	ND	2	0.386
Vanadium	03/31/98	21.78	370	0.129
Zinc	03/31/98	57.21	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 #: 3428.06
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-33

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	11890	NLE	1.219
Antimony	03/31/98	2.650	14	0.244
Arsenic	03/31/98	14.73	20	0.244
Barium	03/31/98	45.66	700	0.061
Beryllium	03/31/98	1.329	1	0.061
Cadmium	03/31/98	0.1126	1	0.061
Calcium	03/31/98	1671	NLE	2.439
Chromium	03/31/98	142.8	NLE	0.061
Cobalt	03/31/98	1.703	NLE	0.061
Copper	03/31/98	25.16	600	0.366
Iron	03/31/98	31800	NLE	1.219
Lead	03/31/98	45.28	100	0.244
Magnesium	03/31/98	4675	NLE	2.439
Manganese	03/31/98	55.22	NLE	0.061
Mercury	04/01/98	0.102	14	0.012
Nickel	03/31/98	7.272	250	0.061
Potassium	03/31/98	9811	NLE	2.439
Selenium	03/31/98	ND	63	0.366
Silver	03/31/98	ND	110	0.366
Sodium	03/31/98	158.7	NLE	2.439
Thallium	03/31/98	ND	2	0.366
Vanadium	03/31/98	47.65	370	0.122
Zinc	03/31/98	79.91	1500	0.122

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 #: 3428.08
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-34

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	8151	NLE	1.244
Antimony	03/31/98	2.078	14	0.249
Arsenic	03/31/98	11.10	20	0.249
Barium	03/31/98	48.79	700	0.062
Beryllium	03/31/98	0.8959	1	0.062
Cadmium	03/31/98	0.1174	1	0.062
Calcium	03/31/98	2981	NLE	2.489
Chromium	03/31/98	127.6	NLE	0.062
Cobalt	03/31/98	1.563	NLE	0.062
Copper	03/31/98	89.97	600	0.373
Iron	03/31/98	20940	NLE	1.244
Lead	03/31/98	37.17	100	0.249
Magnesium	03/31/98	2802	NLE	2.489
Manganese	03/31/98	34.04	NLE	0.062
Mercury	04/01/98	0.077	14	0.013
Nickel	03/31/98	5.997	250	0.062
Potassium	03/31/98	5084	NLE	2.489
Selenium	03/31/98	ND	63	0.373
Silver	03/31/98	ND	110	0.373
Sodium	03/31/98	147.4	NLE	2.489
Thallium	03/31/98	ND	2	0.373
Vanadium	03/31/98	33.17	370	0.124
Zinc	03/31/98	59.09	1500	0.124

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 #: 3428.10
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-35

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	6575	NLE	1.081
Antimony	03/31/98	1.272	14	0.216
Arsenic	03/31/98	11.02	20	0.216
Barium	03/31/98	40.17	700	0.054
Beryllium	03/31/98	0.7196	1	0.054
Cadmium	03/31/98	0.3434	1	0.054
Calcium	03/31/98	960.9	NLE	2.161
Chromium	03/31/98	72.95	NLE	0.054
Cobalt	03/31/98	1.172	NLE	0.054
Copper	03/31/98	23.25	600	0.324
Iron	03/31/98	18550	NLE	1.081
Lead	03/31/98	33.38	100	0.216
Magnesium	03/31/98	2070	NLE	2.161
Manganese	03/31/98	25.04	NLE	0.054
Mercury	04/01/98	0.082	14	0.012
Nickel	03/31/98	5.129	250	0.054
Potassium	03/31/98	6139	NLE	2.161
Selenium	03/31/98	0.490	63	0.324
Silver	03/31/98	ND	110	0.324
Sodium	03/31/98	153.7	NLE	2.161
Thallium	03/31/98	ND	2	0.324
Vanadium	03/31/98	24.74	370	0.108
Zinc	03/31/98	58.70	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 #: 3428.12
Sample Received: 03/10/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-36

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	1855	NLE	1.157
Antimony	03/31/98	0.426	14	0.231
Arsenic	03/31/98	1.315	20	0.231
Barium	03/31/98	5.639	700	0.058
Beryllium	03/31/98	0.1270	1	0.058
Cadmium	03/31/98	ND	1	0.058
Calcium	03/31/98	996.7	NLE	2.313
Chromium	03/31/98	23.75	NLE	0.058
Cobalt	03/31/98	0.2485	NLE	0.058
Copper	03/31/98	24.37	600	0.347
Iron	03/31/98	3564	NLE	1.157
Lead	03/31/98	3.324	100	0.231
Magnesium	03/31/98	314.8	NLE	2.313
Manganese	03/31/98	5.719	NLE	0.058
Mercury	04/01/98	0.031	14	0.011
Nickel	03/31/98	1.095	250	0.058
Potassium	03/31/98	424.6	NLE	2.313
Selenium	03/31/98	ND	63	0.347
Silver	03/31/98	ND	110	0.347
Sodium	03/31/98	88.89	NLE	2.313
Thallium	03/31/98	ND	2	0.347
Vanadium	03/31/98	11.45	370	0.116
Zinc	03/31/98	9.468	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 #: 3428.14
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-37

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	3235	NLE	1.339
Antimony	03/31/98	0.474	14	0.268
Arsenic	03/31/98	3.544	20	0.268
Barium	03/31/98	45.59	700	0.067
Beryllium	03/31/98	0.8634	1	0.067
Cadmium	03/31/98	0.5593	1	0.067
Calcium	03/31/98	1143	NLE	2.677
Chromium	03/31/98	5.249	NLE	0.067
Cobalt	03/31/98	4.283	NLE	0.067
Copper	03/31/98	26.39	600	0.402
Iron	03/31/98	1569	NLE	1.339
Lead	03/31/98	18.56	100	0.268
Magnesium	03/31/98	96.27	NLE	2.677
Manganese	03/31/98	38.80	NLE	0.067
Mercury	04/01/98	0.084	14	0.014
Nickel	03/31/98	11.74	250	0.067
Potassium	03/31/98	265.2	NLE	2.677
Selenium	03/31/98	ND	63	0.402
Silver	03/31/98	ND	110	0.402
Sodium	03/31/98	115.3	NLE	2.677
Thallium	03/31/98	ND	2	0.402
Vanadium	03/31/98	10.93	370	0.134
Zinc	03/31/98	181.7	1500	0.134

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 #: 3428.16
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-38

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	3410	NLE	1.313
Antimony	03/31/98	0.801	14	0.263
Arsenic	03/31/98	12.05	20	0.263
Barium	03/31/98	128.7	700	0.066
Beryllium	03/31/98	0.4662	1	0.066
Cadmium	03/31/98	0.2638	1	0.066
Calcium	03/31/98	1109	NLE	2.625
Chromium	03/31/98	29.69	NLE	0.066
Cobalt	03/31/98	2.585	NLE	0.066
Copper	03/31/98	44.16	600	0.394
Iron	03/31/98	13290	NLE	1.313
Lead	03/31/98	129.4	100	0.263
Magnesium	03/31/98	820.2	NLE	2.625
Manganese	03/31/98	66.82	NLE	0.066
Mercury	04/01/98	0.212	14	0.012
Nickel	03/31/98	6.638	250	0.066
Potassium	03/31/98	2133	NLE	2.625
Selenium	03/31/98	1.126	63	0.394
Silver	03/31/98	ND	110	0.394
Sodium	03/31/98	130.1	NLE	2.625
Thallium	03/31/98	ND	2	0.394
Vanadium	03/31/98	13.96	370	0.131
Zinc	03/31/98	84.81	1500	0.131

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 #: 3428.18
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-39

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	3162	NLE	1.167
Antimony	03/31/98	1.016	14	0.233
Arsenic	03/31/98	9.484	20	0.233
Barium	03/31/98	17.24	700	0.058
Beryllium	03/31/98	0.3693	1	0.058
Cadmium	03/31/98	0.4148	1	0.058
Calcium	03/31/98	931.5	NLE	2.335
Chromium	03/31/98	27.07	NLE	0.058
Cobalt	03/31/98	3.301	NLE	0.058
Copper	03/31/98	37.37	600	0.350
Iron	03/31/98	16380	NLE	1.167
Lead	03/31/98	40.67	100	0.233
Magnesium	03/31/98	460.3	NLE	2.335
Manganese	03/31/98	46.57	NLE	0.058
Mercury	04/01/98	0.054	14	0.012
Nickel	03/31/98	10.18	250	0.058
Potassium	03/31/98	997.4	NLE	2.335
Selenium	03/31/98	1.046	63	0.350
Silver	03/31/98	ND	110	0.350
Sodium	03/31/98	50.75	NLE	2.335
Thallium	03/31/98	ND	2	0.350
Vanadium	03/31/98	19.15	370	0.117
Zinc	03/31/98	157.7	1500	0.117

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 #: 3428.20
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-40

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	5132	NLE	1.184
Antimony	03/31/98	1.075	14	0.237
Arsenic	03/31/98	11.61	20	0.237
Barium	03/31/98	71.02	700	0.059
Beryllium	03/31/98	0.6631	1	0.059
Cadmium	03/31/98	0.1471	1	0.059
Calcium	03/31/98	1317	NLE	2.368
Chromium	03/31/98	63.37	NLE	0.059
Cobalt	03/31/98	1.679	NLE	0.059
Copper	03/31/98	23.91	600	0.355
Iron	03/31/98	15810	NLE	1.184
Lead	03/31/98	35.42	100	0.237
Magnesium	03/31/98	1663	NLE	2.368
Manganese	03/31/98	34.75	NLE	0.059
Mercury	04/01/98	0.100	14	0.012
Nickel	03/31/98	5.603	250	0.059
Potassium	03/31/98	5385	NLE	2.368
Selenium	03/31/98	1.198	63	0.355
Silver	03/31/98	ND	110	0.355
Sodium	03/31/98	319.1	NLE	2.368
Thallium	03/31/98	ND	2	0.355
Vanadium	03/31/98	16.68	370	0.118
Zinc	03/31/98	58.14	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 #: 3428.22
Sample Received: 03/20/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-41

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	6090	NLE	1.242
Antimony	03/31/98	1.380	14	0.248
Arsenic	03/31/98	9.922	20	0.248
Barium	03/31/98	84.03	700	0.062
Beryllium	03/31/98	0.6972	1	0.062
Cadmium	03/31/98	0.8425	1	0.062
Calcium	03/31/98	1478	NLE	2.485
Chromium	03/31/98	56.51	NLE	0.062
Cobalt	03/31/98	1.863	NLE	0.062
Copper	03/31/98	58.75	600	0.373
Iron	03/31/98	16560	NLE	1.242
Lead	03/31/98	82.95	100	0.248
Magnesium	03/31/98	1584	NLE	2.485
Manganese	03/31/98	50.74	NLE	0.062
Mercury	04/01/98	0.136	14	0.012
Nickel	03/31/98	10.42	250	0.062
Potassium	03/31/98	4839	NLE	2.485
Selenium	03/31/98	ND	63	0.373
Silver	03/31/98	ND	110	0.373
Sodium	03/31/98	105.6	NLE	2.485
Thallium	03/31/98	ND	2	0.373
Vanadium	03/31/98	25.89	370	0.124
Zinc	03/31/98	129.7	1500	0.124

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 #: 3432.02
Sample Received: 03/25/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-42

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	5180	NLE	1.210
Antimony	03/31/98	0.690	14	0.242
Arsenic	03/31/98	11.23	20	0.242
Barium	03/31/98	49.63	700	0.061
Beryllium	03/31/98	1.5599	1	0.061
Cadmium	03/31/98	0.1605	1	0.061
Calcium	03/31/98	1111	NLE	2.421
Chromium	03/31/98	46.02	NLE	0.061
Cobalt	03/31/98	1.767	NLE	0.061
Copper	03/31/98	61.41	600	0.363
Iron	03/31/98	16950	NLE	1.210
Lead	03/31/98	49.10	100	0.242
Magnesium	03/31/98	1388	NLE	2.421
Manganese	03/31/98	49.29	NLE	0.061
Mercury	04/01/98	0.113	14	0.012
Nickel	03/31/98	6.326	250	0.061
Potassium	03/31/98	3470	NLE	2.421
Selenium	03/31/98	ND	63	0.363
Silver	03/31/98	ND	110	0.363
Sodium	03/31/98	61.41	NLE	2.421
Thallium	03/31/98	ND	2	0.363
Vanadium	03/31/98	19.26	370	0.121
Zinc	03/31/98	68.39	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 #: 3432.04
Sample Received: 03/25/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-43

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	10420	NLE	1.240
Antimony	03/31/98	2.230	14	0.248
Arsenic	03/31/98	16.21	20	0.248
Barium	03/31/98	54.09	700	0.062
Beryllium	03/31/98	1.267	1	0.062
Cadmium	03/31/98	ND	1	0.062
Calcium	03/31/98	1687	NLE	2.481
Chromium	03/31/98	134.0	NLE	0.062
Cobalt	03/31/98	1.629	NLE	0.062
Copper	03/31/98	25.73	600	0.372
Iron	03/31/98	29340	NLE	1.240
Lead	03/31/98	37.93	100	0.248
Magnesium	03/31/98	4127	NLE	2.481
Manganese	03/31/98	41.07	NLE	0.062
Mercury	04/01/98	0.078	14	0.011
Nickel	03/31/98	6.554	250	0.062
Potassium	03/31/98	9093	NLE	2.481
Selenium	03/31/98	ND	63	0.372
Silver	03/31/98	ND	110	0.372
Sodium	03/31/98	162.2	NLE	2.481
Thallium	03/31/98	ND	2	0.372
Vanadium	03/31/98	43.12	370	0.124
Zinc	03/31/98	78.77	1500	0.124

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 #: 3432.06
Sample Received: 03/25/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-44

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	8551	NLE	1.066
Antimony	03/31/98	0.696	14	0.213
Arsenic	03/31/98	10.00	20	0.213
Barium	03/31/98	49.56	700	0.053
Beryllium	03/31/98	0.5654	1	0.053
Cadmium	03/31/98	0.2881	1	0.053
Calcium	03/31/98	1054	NLE	2.132
Chromium	03/31/98	37.94	NLE	0.053
Cobalt	03/31/98	2.152	NLE	0.053
Copper	03/31/98	39.89	600	0.320
Iron	03/31/98	14440	NLE	1.066
Lead	03/31/98	54.89	100	0.213
Magnesium	03/31/98	1113	NLE	2.132
Manganese	03/31/98	60.75	NLE	0.053
Mercury	04/01/98	0.095	14	0.012
Nickel	03/31/98	6.718	250	0.053
Potassium	03/31/98	2890	NLE	2.132
Selenium	03/31/98	0.334	63	0.320
Silver	03/31/98	ND	110	0.320
Sodium	03/31/98	94.87	NLE	2.132
Thallium	03/31/98	ND	2	0.320
Vanadium	03/31/98	16.99	370	0.107
Zinc	03/31/98	87.89	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 #: 3432.08
Sample Received: 03/25/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-45

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	1757	NLE	1.137
Antimony	03/31/98	5.670	14	0.227
Arsenic	03/31/98	4.379	20	0.227
Barium	03/31/98	28.44	700	0.057
Beryllium	03/31/98	0.1800	1	0.057
Cadmium	03/31/98	0.1212	1	0.057
Calcium	03/31/98	475.2	NLE	2.275
Chromium	03/31/98	10.56	NLE	0.057
Cobalt	03/31/98	0.9717	NLE	0.057
Copper	03/31/98	9.757	600	0.341
Iron	03/31/98	3999	NLE	1.137
Lead	03/31/98	28.98	100	0.227
Magnesium	03/31/98	286.6	NLE	2.275
Manganese	03/31/98	17.01	NLE	0.057
Mercury	04/01/98	0.113	14	0.013
Nickel	03/31/98	4.667	250	0.057
Potassium	03/31/98	307.1	NLE	2.275
Selenium	03/31/98	ND	63	0.341
Silver	03/31/98	ND	110	0.341
Sodium	03/31/98	52.82	NLE	2.275
Thallium	03/31/98	ND	2	0.341
Vanadium	03/31/98	8.171	370	0.114
Zinc	03/31/98	35.31	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 #: 3432.10
Sample Received: 03/25/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-46

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	4696	NLE	1.203
Antimony	03/31/98	0.979	14	0.241
Arsenic	03/31/98	8.333	20	0.241
Barium	03/31/98	82.10	700	0.060
Beryllium	03/31/98	0.6231	1	0.060
Cadmium	03/31/98	0.1333	1	0.060
Calcium	03/31/98	810.8	NLE	2.406
Chromium	03/31/98	43.98	NLE	0.060
Cobalt	03/31/98	2.176	NLE	0.060
Copper	03/31/98	41.31	600	0.361
Iron	03/31/98	12530	NLE	1.203
Lead	03/31/98	28.24	100	0.241
Magnesium	03/31/98	1346	NLE	2.406
Manganese	03/31/98	27.42	NLE	0.060
Mercury	04/01/98	0.102	14	0.012
Nickel	03/31/98	6.517	250	0.060
Potassium	03/31/98	3777	NLE	2.406
Selenium	03/31/98	0.777	63	0.361
Silver	03/31/98	ND	110	0.361
Sodium	03/31/98	123.6	NLE	2.406
Thallium	03/31/98	ND	2	0.361
Vanadium	03/31/98	18.76	370	0.120
Zinc	03/31/98	40.08	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 #: 3432.12
Sample Received: 03/15/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-47

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	3458	NLE	1.224
Antimony	03/31/98	0.451	14	0.245
Arsenic	03/31/98	4.976	20	0.245
Barium	03/31/98	34.50	700	0.061
Beryllium	03/31/98	0.3267	1	0.061
Cadmium	03/31/98	0.2149	1	0.061
Calcium	03/31/98	529.5	NLE	2.449
Chromium	03/31/98	18.74	NLE	0.061
Cobalt	03/31/98	1.182	NLE	0.061
Copper	03/31/98	19.19	600	0.367
Iron	03/31/98	7228	NLE	1.224
Lead	03/31/98	56.02	100	0.245
Magnesium	03/31/98	619.9	NLE	2.449
Manganese	03/31/98	26.87	NLE	0.061
Mercury	04/01/98	0.140	14	0.012
Nickel	03/31/98	3.272	250	0.061
Potassium	03/31/98	1120	NLE	2.449
Selenium	03/31/98	ND	63	0.367
Silver	03/31/98	ND	110	0.367
Sodium	03/31/98	67.61	NLE	2.449
Thallium	03/31/98	ND	2	0.367
Vanadium	03/31/98	11.81	370	0.122
Zinc	03/31/98	44.42	1500	0.122

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 #: 3432.14
Sample Received: 03/25/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-48

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	8286	NLE	1.224
Antimony	03/31/98	0.969	14	0.245
Arsenic	03/31/98	8.409	20	0.245
Barium	03/31/98	26.35	700	0.061
Beryllium	03/31/98	0.7705	1	0.061
Cadmium	03/31/98	ND	1	0.061
Calcium	03/31/98	753.4	NLE	2.448
Chromium	03/31/98	61.33	NLE	0.061
Cobalt	03/31/98	1.755	NLE	0.061
Copper	03/31/98	12.98	600	0.367
Iron	03/31/98	18920	NLE	1.224
Lead	03/31/98	36.42	100	0.245
Magnesium	03/31/98	2045	NLE	2.448
Manganese	03/31/98	37.70	NLE	0.061
Mercury	04/01/98	0.166	14	0.011
Nickel	03/31/98	5.857	250	0.061
Potassium	03/31/98	6228	NLE	2.448
Selenium	03/31/98	ND	63	0.367
Silver	03/31/98	ND	110	0.367
Sodium	03/31/98	124.6	NLE	2.448
Thallium	03/31/98	ND	2	0.367
Vanadium	03/31/98	33.25	370	0.122
Zinc	03/31/98	50.77	1500	0.122

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 #: 3432.16
Sample Received: 03/25/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-49

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	3854	NLE	1.213
Antimony	03/31/98	0.565	14	0.243
Arsenic	03/31/98	8.337	20	0.243
Barium	03/31/98	35.95	700	0.061
Beryllium	03/31/98	0.4051	1	0.061
Cadmium	03/31/98	0.0833	1	0.061
Calcium	03/31/98	1062	NLE	2.426
Chromium	03/31/98	37.89	NLE	0.061
Cobalt	03/31/98	0.9757	NLE	0.061
Copper	03/31/98	8.154	600	0.364
Iron	03/31/98	11470	NLE	1.213
Lead	03/31/98	18.73	100	0.243
Magnesium	03/31/98	1166	NLE	2.426
Manganese	03/31/98	21.86	NLE	0.061
Mercury	04/01/98	0.087	14	0.012
Nickel	03/31/98	3.606	250	0.061
Potassium	03/31/98	3119	NLE	2.426
Selenium	03/31/98	ND	63	0.364
Silver	03/31/98	ND	110	0.364
Sodium	03/31/98	43.61	NLE	2.426
Thallium	03/31/98	ND	2	0.364
Vanadium	03/31/98	12.98	370	0.121
Zinc	03/31/98	42.09	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 #: 3432.18
Sample Received: 03/25/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-50

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	5679	NLE	1.212
Antimony	03/31/98	0.618	14	0.242
Arsenic	03/31/98	7.217	20	0.242
Barium	03/31/98	21.40	700	0.061
Beryllium	03/31/98	0.5608	1	0.061
Cadmium	03/31/98	ND	1	0.061
Calcium	03/31/98	640.5	NLE	2.424
Chromium	03/31/98	35.65	NLE	0.061
Cobalt	03/31/98	2.081	NLE	0.061
Copper	03/31/98	10.21	600	0.364
Iron	03/31/98	14250	NLE	1.212
Lead	03/31/98	27.98	100	0.242
Magnesium	03/31/98	1031	NLE	2.424
Manganese	03/31/98	49.01	NLE	0.061
Mercury	04/01/98	0.057	14	0.012
Nickel	03/31/98	4.805	250	0.061
Potassium	03/31/98	2451	NLE	2.424
Selenium	03/31/98	ND	63	0.364
Silver	03/31/98	ND	110	0.364
Sodium	03/31/98	32.32	NLE	2.424
Thallium	03/31/98	ND	2	0.364
Vanadium	03/31/98	21.22	370	0.121
Zinc	03/31/98	45.21	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 #: 3432.20
Sample Received: 03/25/98
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: B-51

TAL-METALS RESULTS SUMMARY (ppm)

Element	Date Analyzed	Result	Soil Cleanup Criteria	MDL
Aluminum	03/31/98	6382	NLE	1.144
Antimony	03/31/98	0.707	14	0.229
Arsenic	03/31/98	9.589	20	0.229
Barium	03/31/98	29.13	700	0.057
Beryllium	03/31/98	0.6929	1	0.057
Cadmium	03/31/98	ND	1	0.057
Calcium	03/31/98	1341	NLE	2.288
Chromium	03/31/98	48.86	NLE	0.057
Cobalt	03/31/98	1.857	NLE	0.057
Copper	03/31/98	30.46	600	0.343
Iron	03/31/98	17640	NLE	1.144
Lead	03/31/98	28.40	100	0.229
Magnesium	03/31/98	1523	NLE	2.288
Manganese	03/31/98	45.29	NLE	0.057
Mercury	04/01/98	0.102	14	0.011
Nickel	03/31/98	5.213	250	0.057
Potassium	03/31/98	4066	NLE	2.288
Selenium	03/31/98	ND	63	0.343
Silver	03/31/98	ND	110	0.343
Sodium	03/31/98	37.33	NLE	2.288
Thallium	03/31/98	ND	2	0.343
Vanadium	03/31/98	23.79	370	0.114
Zinc	03/31/98	69.75	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 #: 4748.02
Sample Received: 08/26/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-52, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/01/99	20800	NLE	2.232
Antimony	09/01/99	ND	14	0.446
Arsenic	09/01/99	27.2	20	0.446
Barium	09/01/99	26.9	700	0.112
Beryllium	09/01/99	2.65	1	0.112
Cadmium	09/01/99	2.43	1	0.112
Calcium	09/01/99	1130	NLE	4.465
Chromium	09/01/99	333	NLE	0.112
Cobalt	09/01/99	1.17	NLE	0.112
Copper	09/01/99	23.3	600	0.670
Iron	09/01/99	68500	NLE	2.232
Lead	09/01/99	38.8	400	0.446
Magnesium	09/01/99	10800	NLE	4.465
Manganese	09/01/99	35.1	NLE	0.112
Mercury	09/01/99	0.077	14	0.026
Nickel	09/01/99	7.81	250	0.112
Potassium	09/01/99	24100	NLE	4.465
Selenium	09/01/99	1.42	63	0.670
Silver	09/01/99	ND	110	0.670
Sodium	09/01/99	165	NLE	4.465
Thallium	09/01/99	ND	2	0.670
Vanadium	09/01/99	125	370	0.223
Zinc	09/01/99	87.7	1500	0.223

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 #: 4748.04
Sample Received: 08/26/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-53, 4-10"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/01/99	15300	NLE	2.067
Antimony	09/01/99	ND	14	0.413
Arsenic	09/01/99	19.1	20	0.413
Barium	09/01/99	35.2	700	0.103
Beryllium	09/01/99	2.14	1	0.103
Cadmium	09/01/99	1.96	1	0.103
Calcium	09/01/99	2270	NLE	4.134
Chromium	09/01/99	237	NLE	0.103
Cobalt	09/01/99	1.08	NLE	0.103
Copper	09/01/99	20.5	600	0.620
Iron	09/01/99	53200	NLE	2.067
Lead	09/01/99	16.0	400	0.413
Magnesium	09/01/99	7670	NLE	4.134
Manganese	09/01/99	28.6	NLE	0.103
Mercury	09/01/99	0.132	14	0.026
Nickel	09/01/99	7.18	250	0.103
Potassium	09/01/99	18400	NLE	4.134
Selenium	09/01/99	1.74	63	0.620
Silver	09/01/99	ND	110	0.620
Sodium	09/01/99	325	NLE	4.134
Thallium	09/01/99	ND	2	0.620
Vanadium	09/01/99	83.5	370	0.207
Zinc	09/01/99	82.3	1500	0.207

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 #: 4748.06
Sample Received: 08/26/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-54, 2-8"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/01/99	19000	NLE	2.234
Antimony	09/01/99	1.12	14	0.447
Arsenic	09/01/99	46.9	20	0.447
Barium	09/01/99	27.6	700	0.112
Beryllium	09/01/99	2.35	1	0.112
Cadmium	09/01/99	2.70	1	0.112
Calcium	09/01/99	1020	NLE	4.469
Chromium	09/01/99	293	NLE	0.112
Cobalt	09/01/99	1.20	NLE	0.112
Copper	09/01/99	24.2	600	0.670
Iron	09/01/99	67000	NLE	2.234
Lead	09/01/99	61.5	400	0.447
Magnesium	09/01/99	9040	NLE	4.469
Manganese	09/01/99	28.0	NLE	0.112
Mercury	09/01/99	0.051	14	0.025
Nickel	09/01/99	9.40	250	0.112
Potassium	09/01/99	21100	NLE	4.469
Selenium	09/01/99	2.23	63	0.670
Silver	09/01/99	ND	110	0.670
Sodium	09/01/99	154	NLE	4.469
Thallium	09/01/99	ND	2	0.670
Vanadium	09/01/99	120	370	0.223
Zinc	09/01/99	114	1500	0.223

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 #: 4748.08
Sample Received: 08/26/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-55, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/01/99	11500	NLE	2.053
Antimony	09/01/99	ND	14	0.411
Arsenic	09/01/99	19.5	20	0.411
Barium	09/01/99	39.4	700	0.103
Beryllium	09/01/99	0.753	1	0.103
Cadmium	09/01/99	0.868	1	0.103
Calcium	09/01/99	598	NLE	4.106
Chromium	09/01/99	84.3	NLE	0.103
Cobalt	09/01/99	1.53	NLE	0.103
Copper	09/01/99	33.6	600	0.616
Iron	09/01/99	26000	NLE	2.053
Lead	09/01/99	41.7	400	0.411
Magnesium	09/01/99	2510	NLE	4.106
Manganese	09/01/99	26.4	NLE	0.103
Mercury	09/01/99	0.151	14	0.025
Nickel	09/01/99	7.84	250	0.103
Potassium	09/01/99	4420	NLE	4.106
Selenium	09/01/99	1.77	63	0.616
Silver	09/01/99	ND	110	0.616
Sodium	09/01/99	187	NLE	4.106
Thallium	09/01/99	ND	2	0.616
Vanadium	09/01/99	55.1	370	0.205
Zinc	09/01/99	48.7	1500	0.205

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 #: 4748.10
Sample Received: 08/26/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-56, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/01/99	7960	NLE	2.456
Antimony	09/01/99	3.53	14	0.491
Arsenic	09/01/99	7.64	20	0.491
Barium	09/01/99	38.6	700	0.123
Beryllium	09/01/99	0.623	1	0.123
Cadmium	09/01/99	0.940	1	0.123
Calcium	09/01/99	1200	NLE	4.911
Chromium	09/01/99	60.4	NLE	0.123
Cobalt	09/01/99	2.23	NLE	0.123
Copper	09/01/99	13.6	600	0.737
Iron	09/01/99	20200	NLE	2.456
Lead	09/01/99	34.6	400	0.491
Magnesium	09/01/99	1330	NLE	4.911
Manganese	09/01/99	24.5	NLE	0.123
Mercury	09/01/99	0.226	14	0.023
Nickel	09/01/99	7.38	250	0.123
Potassium	09/01/99	2980	NLE	4.911
Selenium	09/01/99	ND	63	0.737
Silver	09/01/99	ND	110	0.737
Sodium	09/01/99	97.1	NLE	4.911
Thallium	09/01/99	ND	2	0.737
Vanadium	09/01/99	55.2	370	0.246
Zinc	09/01/99	103	1500	0.246

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 #: 4748.12
Sample Received: 08/26/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-57, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/01/99	11600	NLE	2.534
Antimony	09/01/99	ND	14	0.507
Arsenic	09/01/99	20.5	20	0.507
Barium	09/01/99	7.42	700	0.127
Beryllium	09/01/99	1.55	1	0.127
Cadmium	09/01/99	1.19	1	0.127
Calcium	09/01/99	260	NLE	5.068
Chromium	09/01/99	187	NLE	0.127
Cobalt	09/01/99	0.641	NLE	0.127
Copper	09/01/99	4.81	600	0.760
Iron	09/01/99	37500	NLE	2.534
Lead	09/01/99	6.53	400	0.507
Magnesium	09/01/99	4420	NLE	5.068
Manganese	09/01/99	21.4	NLE	0.127
Mercury	09/01/99	ND	14	0.026
Nickel	09/01/99	6.28	250	0.127
Potassium	09/01/99	10200	NLE	5.068
Selenium	09/01/99	2.46	63	0.760
Silver	09/01/99	ND	110	0.760
Sodium	09/01/99	76.3	NLE	5.068
Thallium	09/01/99	ND	2	0.760
Vanadium	09/01/99	72.5	370	0.253
Zinc	09/01/99	43.5	1500	0.253

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 #: 4748.14
Sample Received: 08/26/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-58, 4-11"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/01/99	13500	NLE	2.009
Antimony	09/01/99	ND	14	0.402
Arsenic	09/01/99	22.6	20	0.402
Barium	09/01/99	5.25	700	0.100
Beryllium	09/01/99	1.76	1	0.100
Cadmium	09/01/99	1.22	1	0.100
Calcium	09/01/99	931	NLE	4.018
Chromium	09/01/99	200	NLE	0.100
Cobalt	09/01/99	0.493	NLE	0.100
Copper	09/01/99	5.68	600	0.603
Iron	09/01/99	37700	NLE	2.009
Lead	09/01/99	5.24	400	0.402
Magnesium	09/01/99	5510	NLE	4.018
Manganese	09/01/99	15.0	NLE	0.100
Mercury	09/01/99	ND	14	0.024
Nickel	09/01/99	4.51	250	0.100
Potassium	09/01/99	12600	NLE	4.018
Selenium	09/01/99	1.33	63	0.603
Silver	09/01/99	ND	110	0.603
Sodium	09/01/99	180	NLE	4.018
Thallium	09/01/99	ND	2	0.603
Vanadium	09/01/99	81.6	370	0.201
Zinc	09/01/99	38.5	1500	0.201

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 #: 4748.16
Sample Received: 08/26/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-59, 3-9"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/01/99	8210	NLE	2.284
Antimony	09/01/99	ND	14	0.457
Arsenic	09/01/99	12.7	20	0.457
Barium	09/01/99	40.9	700	0.114
Beryllium	09/01/99	0.513	1	0.114
Cadmium	09/01/99	0.816	1	0.114
Calcium	09/01/99	364	NLE	4.568
Chromium	09/01/99	48.5	NLE	0.114
Cobalt	09/01/99	3.32	NLE	0.114
Copper	09/01/99	7.01	600	0.685
Iron	09/01/99	24100	NLE	2.284
Lead	09/01/99	23.1	400	0.457
Magnesium	09/01/99	703	NLE	4.568
Manganese	09/01/99	55.3	NLE	0.114
Mercury	09/01/99	0.117	14	0.023
Nickel	09/01/99	9.49	250	0.114
Potassium	09/01/99	1480	NLE	4.568
Selenium	09/01/99	1.90	63	0.685
Silver	09/01/99	ND	110	0.685
Sodium	09/01/99	83.2	NLE	4.568
Thallium	09/01/99	ND	2	0.685
Vanadium	09/01/99	65.5	370	0.228
Zinc	09/01/99	41.6	1500	0.228

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 #: 4748.18
Sample Received: 08/26/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-60, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/01/99	14000	NLE	2.063
Antimony	09/01/99	ND	14	0.413
Arsenic	09/01/99	5.53	20	0.413
Barium	09/01/99	21.8	700	0.103
Beryllium	09/01/99	0.379	1	0.103
Cadmium	09/01/99	0.242	1	0.103
Calcium	09/01/99	190	NLE	4.127
Chromium	09/01/99	21.9	NLE	0.103
Cobalt	09/01/99	2.50	NLE	0.103
Copper	09/01/99	1.39	600	0.619
Iron	09/01/99	14300	NLE	2.063
Lead	09/01/99	7.33	400	0.413
Magnesium	09/01/99	855	NLE	4.127
Manganese	09/01/99	38.6	NLE	0.103
Mercury	09/01/99	0.023	14	0.023
Nickel	09/01/99	7.05	250	0.103
Potassium	09/01/99	618	NLE	4.127
Selenium	09/01/99	ND	63	0.619
Silver	09/01/99	ND	110	0.619
Sodium	09/01/99	94.3	NLE	4.127
Thallium	09/01/99	ND	2	0.619
Vanadium	09/01/99	29.2	370	0.206
Zinc	09/01/99	33.1	1500	0.206

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 #: 4748.20
Sample Received: 08/26/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-61, 4-10"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/01/99	4480	NLE	2.172
Antimony	09/01/99	ND	14	0.434
Arsenic	09/01/99	4.05	20	0.434
Barium	09/01/99	6.32	700	0.109
Beryllium	09/01/99	0.330	1	0.109
Cadmium	09/01/99	0.564	1	0.109
Calcium	09/01/99	88.7	NLE	4.345
Chromium	09/01/99	39.1	NLE	0.109
Cobalt	09/01/99	1.27	NLE	0.109
Copper	09/01/99	ND	600	0.652
Iron	09/01/99	12400	NLE	2.172
Lead	09/01/99	2.97	400	0.434
Magnesium	09/01/99	785	NLE	4.345
Manganese	09/01/99	28.6	NLE	0.109
Mercury	09/01/99	0.021	14	0.021
Nickel	09/01/99	2.71	250	0.109
Potassium	09/01/99	1520	NLE	4.345
Selenium	09/01/99	ND	63	0.652
Silver	09/01/99	ND	110	0.652
Sodium	09/01/99	56.0	NLE	4.345
Thallium	09/01/99	ND	2	0.652
Vanadium	09/01/99	36.3	370	0.217
Zinc	09/01/99	16.8	1500	0.217

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 #: 4754.02
Sample Received: 08/27/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-63, 5-11"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	13600	NLE	2.212
Antimony	09/09/99	ND	14	0.442
Arsenic	09/09/99	12.6	20	0.442
Barium	09/09/99	74.0	700	0.111
Beryllium	09/09/99	1.95	1	0.111
Cadmium	09/09/99	1.36	1	0.111
Calcium	09/09/99	5780	NLE	4.424
Chromium	09/09/99	215	NLE	0.111
Cobalt	09/09/99	2.03	NLE	0.111
Copper	09/09/99	15.9	600	0.664
Iron	09/09/99	48800	NLE	2.212
Lead	09/09/99	7.58	100	0.442
Magnesium	09/09/99	6900	NLE	4.424
Manganese	09/09/99	52.5	NLE	0.111
Mercury	09/08/99	ND	14	0.024
Nickel	09/09/99	17.6	250	0.111
Potassium	09/09/99	16200	NLE	4.424
Selenium	09/09/99	1.53	63	0.664
Silver	09/09/99	ND	110	0.664
Sodium	09/09/99	279	NLE	4.424
Thallium	09/09/99	ND	2	0.664
Vanadium	09/09/99	71.6	370	0.221
Zinc	09/09/99	77.3	1500	0.221

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 #: 4754.04
Sample Received: 08/27/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-64, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	18700	NLE	2.669
Antimony	09/09/99	ND	14	0.534
Arsenic	09/09/99	51.3	20	0.534
Barium	09/09/99	25.3	700	0.133
Beryllium	09/09/99	2.14	1	0.133
Cadmium	09/09/99	0.339	1	0.133
Calcium	09/09/99	555	NLE	5.339
Chromium	09/09/99	251	NLE	0.133
Cobalt	09/09/99	1.30	NLE	0.133
Copper	09/09/99	24.4	600	0.801
Iron	09/09/99	50900	NLE	2.669
Lead	09/09/99	16.1	100	0.534
Magnesium	09/09/99	7490	NLE	5.339
Manganese	09/09/99	37.6	NLE	0.133
Mercury	09/08/99	0.084	14	0.023
Nickel	09/09/99	6.65	250	0.133
Potassium	09/09/99	16700	NLE	5.339
Selenium	09/09/99	0.886	63	0.801
Silver	09/09/99	ND	110	0.801
Sodium	09/09/99	228	NLE	5.339
Thallium	09/09/99	ND	2	0.801
Vanadium	09/09/99	118	370	0.267
Zinc	09/09/99	59.8	1500	0.267

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 #: 4754.06
Sample Received: 08/27/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-65, 5-11"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	15700	NLE	2.644
Antimony	09/09/99	ND	14	0.529
Arsenic	09/09/99	29.4	20	0.529
Barium	09/09/99	6.35	700	0.132
Beryllium	09/09/99	2.18	1	0.132
Cadmium	09/09/99	0.385	1	0.132
Calcium	09/09/99	290	NLE	5.287
Chromium	09/09/99	256	NLE	0.132
Cobalt	09/09/99	0.874	NLE	0.132
Copper	09/09/99	12.2	600	0.793
Iron	09/09/99	49900	NLE	2.644
Lead	09/09/99	4.73	100	0.529
Magnesium	09/09/99	7580	NLE	5.287
Manganese	09/09/99	19.6	NLE	0.132
Mercury	09/08/99	ND	14	0.024
Nickel	09/09/99	6.47	250	0.132
Potassium	09/09/99	17300	NLE	5.287
Selenium	09/09/99	ND	63	0.793
Silver	09/09/99	ND	110	0.793
Sodium	09/09/99	191	NLE	5.287
Thallium	09/09/99	ND	2	0.793
Vanadium	09/09/99	112	370	0.264
Zinc	09/09/99	48.9	1500	0.264

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 #: 4754.08
Sample Received: 08/27/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-66, 5-11"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	19100	NLE	2.617
Antimony	09/09/99	ND	14	0.523
Arsenic	09/09/99	24.4	20	0.523
Barium	09/09/99	15.0	700	0.131
Beryllium	09/09/99	2.19	1	0.131
Cadmium	09/09/99	0.420	1	0.131
Calcium	09/09/99	447	NLE	5.234
Chromium	09/09/99	266	NLE	0.131
Cobalt	09/09/99	1.36	NLE	0.131
Copper	09/09/99	12.0	600	0.785
Iron	09/09/99	54000	NLE	2.617
Lead	09/09/99	7.94	100	0.523
Magnesium	09/09/99	8040	NLE	5.234
Manganese	09/09/99	36.7	NLE	0.131
Mercury	09/08/99	ND	14	0.024
Nickel	09/09/99	5.95	250	0.131
Potassium	09/09/99	18000	NLE	5.234
Selenium	09/09/99	0.848	63	0.785
Silver	09/09/99	ND	110	0.785
Sodium	09/09/99	367	NLE	5.234
Thallium	09/09/99	ND	2	0.785
Vanadium	09/09/99	123	370	0.262
Zinc	09/09/99	83.4	1500	0.262

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 #: 4754.10
Sample Received: 08/27/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-67, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	11700	NLE	2.141
Antimony	09/09/99	ND	14	0.428
Arsenic	09/09/99	14.1	20	0.428
Barium	09/09/99	38.2	700	0.107
Beryllium	09/09/99	0.962	1	0.107
Cadmium	09/09/99	0.360	1	0.107
Calcium	09/09/99	2590	NLE	4.283
Chromium	09/09/99	91.4	NLE	0.107
Cobalt	09/09/99	2.38	NLE	0.107
Copper	09/09/99	14.9	600	0.642
Iron	09/09/99	28600	NLE	2.141
Lead	09/09/99	7.56	100	0.428
Magnesium	09/09/99	3340	NLE	4.283
Manganese	09/09/99	55.7	NLE	0.107
Mercury	09/08/99	0.028	14	0.025
Nickel	09/09/99	6.75	250	0.107
Potassium	09/09/99	6420	NLE	4.283
Selenium	09/09/99	0.882	63	0.642
Silver	09/09/99	ND	110	0.642
Sodium	09/09/99	151	NLE	4.283
Thallium	09/09/99	ND	2	0.642
Vanadium	09/09/99	57.2	370	0.214
Zinc	09/09/99	49.3	1500	0.214

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 #: 4754.12
Sample Received: 08/27/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-68, 5-11"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	11700	NLE	1.965
Antimony	09/09/99	ND	14	0.393
Arsenic	09/09/99	6.95	20	0.393
Barium	09/09/99	17.7	700	0.098
Beryllium	09/09/99	1.23	1	0.098
Cadmium	09/09/99	0.308	1	0.098
Calcium	09/09/99	840	NLE	3.930
Chromium	09/09/99	114	NLE	0.098
Cobalt	09/09/99	1.87	NLE	0.098
Copper	09/09/99	4.94	600	0.590
Iron	09/09/99	38200	NLE	1.965
Lead	09/09/99	4.98	100	0.393
Magnesium	09/09/99	4400	NLE	3.930
Manganese	09/09/99	41.7	NLE	0.098
Mercury	09/08/99	ND	14	0.025
Nickel	09/09/99	5.61	250	0.098
Potassium	09/09/99	10600	NLE	3.930
Selenium	09/09/99	ND	63	0.590
Silver	09/09/99	ND	110	0.590
Sodium	09/09/99	150	NLE	3.930
Thallium	09/09/99	ND	2	0.590
Vanadium	09/09/99	64.2	370	0.197
Zinc	09/09/99	35.0	1500	0.197

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 #: 4754.14
Sample Received: 08/27/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-69, 5-11"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	4900	NLE	2.427
Antimony	09/09/99	ND	14	0.485
Arsenic	09/09/99	4.79	20	0.485
Barium	09/09/99	9.32	700	0.121
Beryllium	09/09/99	0.361	1	0.121
Cadmium	09/09/99	0.281	1	0.121
Calcium	09/09/99	105	NLE	4.855
Chromium	09/09/99	40.4	NLE	0.121
Cobalt	09/09/99	1.32	NLE	0.121
Copper	09/09/99	4.48	600	0.728
Iron	09/09/99	14200	NLE	2.427
Lead	09/09/99	2.86	100	0.485
Magnesium	09/09/99	839	NLE	4.855
Manganese	09/09/99	27.2	NLE	0.121
Mercury	09/08/99	ND	14	0.021
Nickel	09/09/99	2.58	250	0.121
Potassium	09/09/99	1900	NLE	4.855
Selenium	09/09/99	ND	63	0.728
Silver	09/09/99	ND	110	0.728
Sodium	09/09/99	174	NLE	4.855
Thallium	09/09/99	ND	2	0.728
Vanadium	09/09/99	37.3	370	0.243
Zinc	09/09/99	16.4	1500	0.243

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 #: 4754.16
Sample Received: 08/27/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-70, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	17400	NLE	2.423
Antimony	09/09/99	ND	14	0.485
Arsenic	09/09/99	22.3	20	0.485
Barium	09/09/99	29.3	700	0.121
Beryllium	09/09/99	2.13	1	0.121
Cadmium	09/09/99	0.557	1	0.121
Calcium	09/09/99	997	NLE	4.847
Chromium	09/09/99	258	NLE	0.121
Cobalt	09/09/99	1.40	NLE	0.121
Copper	09/09/99	12.8	600	0.727
Iron	09/09/99	58200	NLE	2.423
Lead	09/09/99	17.5	100	0.485
Magnesium	09/09/99	8190	NLE	4.847
Manganese	09/09/99	27.6	NLE	0.121
Mercury	09/08/99	0.026	14	0.019
Nickel	09/09/99	7.59	250	0.121
Potassium	09/09/99	18800	NLE	4.847
Selenium	09/09/99	0.766	63	0.727
Silver	09/09/99	ND	110	0.727
Sodium	09/09/99	171	NLE	4.847
Thallium	09/09/99	ND	2	0.727
Vanadium	09/09/99	106	370	0.242
Zinc	09/09/99	77.0	1500	0.242

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 #: 4754.18
Sample Received: 08/27/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-71, 5-11"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	20200	NLE	2.354
Antimony	09/09/99	ND	14	0.471
Arsenic	09/09/99	24.2	20	0.471
Barium	09/09/99	22.9	700	0.118
Beryllium	09/09/99	1.91	1	0.118
Cadmium	09/09/99	0.257	1	0.118
Calcium	09/09/99	694	NLE	4.708
Chromium	09/09/99	239	NLE	0.118
Cobalt	09/09/99	1.14	NLE	0.118
Copper	09/09/99	14.7	600	0.706
Iron	09/09/99	48000	NLE	2.354
Lead	09/09/99	45.5	100	0.471
Magnesium	09/09/99	7280	NLE	4.708
Manganese	09/09/99	41.3	NLE	0.118
Mercury	09/08/99	ND	14	0.020
Nickel	09/09/99	5.77	250	0.118
Potassium	09/09/99	16100	NLE	4.708
Selenium	09/09/99	ND	63	0.706
Silver	09/09/99	ND	110	0.706
Sodium	09/09/99	166	NLE	4.708
Thallium	09/09/99	ND	2	0.706
Vanadium	09/09/99	112	370	0.235
Zinc	09/09/99	69.5	1500	0.235

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 #: 4754.20
Sample Received: 08/27/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-72, 7-13"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	20100	NLE	2.464
Antimony	09/09/99	ND	14	0.493
Arsenic	09/09/99	43.3	20	0.493
Barium	09/09/99	11.3	700	0.123
Beryllium	09/09/99	2.71	1	0.123
Cadmium	09/09/99	0.612	1	0.123
Calcium	09/09/99	481	NLE	4.927
Chromium	09/09/99	314	NLE	0.123
Cobalt	09/09/99	1.17	NLE	0.123
Copper	09/09/99	5.72	600	0.739
Iron	09/09/99	67600	NLE	2.464
Lead	09/09/99	13.2	100	0.493
Magnesium	09/09/99	9930	NLE	4.927
Manganese	09/09/99	24.0	NLE	0.123
Mercury	09/08/99	0.037	14	0.025
Nickel	09/09/99	7.06	250	0.123
Potassium	09/09/99	23200	NLE	4.927
Selenium	09/09/99	ND	63	0.739
Silver	09/09/99	ND	110	0.739
Sodium	09/09/99	156	NLE	4.927
Thallium	09/09/99	ND	2	0.739
Vanadium	09/09/99	125	370	0.246
Zinc	09/09/99	61.4	1500	0.246

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 #: 4754.22
Sample Received: 08/27/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-73, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	10400	NLE	2.073
Antimony	09/09/99	ND	14	0.415
Arsenic	09/09/99	10.0	20	0.415
Barium	09/09/99	66.1	700	0.104
Beryllium	09/09/99	0.738	1	0.104
Cadmium	09/09/99	0.272	1	0.104
Calcium	09/09/99	439	NLE	4.146
Chromium	09/09/99	55.6	NLE	0.104
Cobalt	09/09/99	3.33	NLE	0.104
Copper	09/09/99	22.0	600	0.622
Iron	09/09/99	24900	NLE	2.073
Lead	09/09/99	34.3	100	0.415
Magnesium	09/09/99	1490	NLE	4.146
Manganese	09/09/99	22.8	NLE	0.104
Mercury	09/08/99	0.286	14	0.022
Nickel	09/09/99	10.4	250	0.104
Potassium	09/09/99	3900	NLE	4.146
Selenium	09/09/99	1.43	63	0.622
Silver	09/09/99	ND	110	0.622
Sodium	09/09/99	199	NLE	4.146
Thallium	09/09/99	ND	2	0.622
Vanadium	09/09/99	42.3	370	0.207
Zinc	09/09/99	61.7	1500	0.207

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 #: 4760.02
Sample Received: 08/30/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-74, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	15100	NLE	2.327
Antimony	09/09/99	ND	14	0.465
Arsenic	09/09/99	16.0	20	0.465
Barium	09/09/99	29.1	700	0.116
Beryllium	09/09/99	1.42	1	0.116
Cadmium	09/09/99	0.336	1	0.116
Calcium	09/09/99	752	NLE	4.653
Chromium	09/09/99	171	NLE	0.116
Cobalt	09/09/99	1.61	NLE	0.116
Copper	09/09/99	4.34	600	0.698
Iron	09/09/99	36800	NLE	2.327
Lead	09/09/99	16.0	100	0.465
Magnesium	09/09/99	5110	NLE	4.653
Manganese	09/09/99	39.8	NLE	0.116
Mercury	09/08/99	ND	14	0.024
Nickel	09/09/99	5.19	250	0.116
Potassium	09/09/99	10800	NLE	4.653
Selenium	09/09/99	ND	63	0.698
Silver	09/09/99	ND	110	0.698
Sodium	09/09/99	471	NLE	4.653
Thallium	09/09/99	ND	2	0.698
Vanadium	09/09/99	84.0	370	0.233
Zinc	09/09/99	49.9	1500	0.233

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 #: 4760.04
Sample Received: 08/30/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-75, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	16400	NLE	2.417
Antimony	09/09/99	ND	14	0.483
Arsenic	09/09/99	21.8	20	0.483
Barium	09/09/99	32.0	700	0.121
Beryllium	09/09/99	1.85	1	0.121
Cadmium	09/09/99	0.420	1	0.121
Calcium	09/09/99	599	NLE	4.833
Chromium	09/09/99	221	NLE	0.121
Cobalt	09/09/99	1.30	NLE	0.121
Copper	09/09/99	14.9	600	0.725
Iron	09/09/99	52000	NLE	2.417
Lead	09/09/99	25.0	100	0.483
Magnesium	09/09/99	6960	NLE	4.833
Manganese	09/09/99	27.7	NLE	0.121
Mercury	09/08/99	ND	14	0.022
Nickel	09/09/99	6.37	250	0.121
Potassium	09/09/99	16000	NLE	4.833
Selenium	09/09/99	ND	63	0.725
Silver	09/09/99	ND	110	0.725
Sodium	09/09/99	126	NLE	4.833
Thallium	09/09/99	ND	2	0.725
Vanadium	09/09/99	98.0	370	0.242
Zinc	09/09/99	54.4	1500	0.242

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 #: 4760.06
Sample Received: 08/30/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-76, 3-9"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	11600	NLE	2.185
Antimony	09/09/99	ND	14	0.437
Arsenic	09/09/99	9.59	20	0.437
Barium	09/09/99	47.4	700	0.109
Beryllium	09/09/99	1.15	1	0.109
Cadmium	09/09/99	0.33	1	0.109
Calcium	09/09/99	750	NLE	4.369
Chromium	09/09/99	134	NLE	0.109
Cobalt	09/09/99	1.47	NLE	0.109
Copper	09/09/99	12.4	600	0.655
Iron	09/09/99	35300	NLE	2.185
Lead	09/09/99	15.1	100	0.437
Magnesium	09/09/99	3980	NLE	4.369
Manganese	09/09/99	25.1	NLE	0.109
Mercury	09/08/99	0.036	14	0.021
Nickel	09/09/99	5.19	250	0.109
Potassium	09/09/99	9700	NLE	4.369
Selenium	09/09/99	ND	63	0.655
Silver	09/09/99	ND	110	0.655
Sodium	09/09/99	127	NLE	4.369
Thallium	09/09/99	ND	2	0.655
Vanadium	09/09/99	64.5	370	0.218
Zinc	09/09/99	42.3	1500	0.218

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 #: 4760.08
Sample Received: 08/30/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-77, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	21600	NLE	2.482
Antimony	09/09/99	ND	14	0.496
Arsenic	09/09/99	28.6	20	0.496
Barium	09/09/99	18.2	700	0.124
Beryllium	09/09/99	2.63	1	0.124
Cadmium	09/09/99	0.831	1	0.124
Calcium	09/09/99	702	NLE	4.964
Chromium	09/09/99	330	NLE	0.124
Cobalt	09/09/99	1.25	NLE	0.124
Copper	09/09/99	24.5	600	0.745
Iron	09/09/99	71100	NLE	2.482
Lead	09/09/99	32.3	100	0.496
Magnesium	09/09/99	9920	NLE	4.964
Manganese	09/09/99	28.0	NLE	0.124
Mercury	09/08/99	ND	14	0.023
Nickel	09/09/99	7.82	250	0.124
Potassium	09/09/99	23400	NLE	4.964
Selenium	09/09/99	ND	63	0.745
Silver	09/09/99	ND	110	0.745
Sodium	09/09/99	662	NLE	4.964
Thallium	09/09/99	ND	2	0.745
Vanadium	09/09/99	125	370	0.248
Zinc	09/09/99	84.1	1500	0.248

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 #: 4760.10
Sample Received: 08/30/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-78, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	13700	NLE	2.258
Antimony	09/09/99	ND	14	0.452
Arsenic	09/09/99	27.1	20	0.452
Barium	09/09/99	17.1	700	0.113
Beryllium	09/09/99	1.86	1	0.113
Cadmium	09/09/99	0.458	1	0.113
Calcium	09/09/99	482	NLE	4.517
Chromium	09/09/99	208	NLE	0.113
Cobalt	09/09/99	0.697	NLE	0.113
Copper	09/09/99	15.1	600	0.678
Iron	09/09/99	44200	NLE	2.258
Lead	09/09/99	15.0	100	0.452
Magnesium	09/09/99	5670	NLE	4.517
Manganese	09/09/99	23.7	NLE	0.113
Mercury	09/08/99	ND	14	0.024
Nickel	09/09/99	5.54	250	0.113
Potassium	09/09/99	13500	NLE	4.517
Selenium	09/09/99	ND	63	0.678
Silver	09/09/99	ND	110	0.678
Sodium	09/09/99	86.3	NLE	4.517
Thallium	09/09/99	ND	2	0.678
Vanadium	09/09/99	69.8	370	0.226
Zinc	09/09/99	51.3	1500	0.226

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 #: 4760.12
Sample Received: 08/30/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-79, 3-9"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	14300	NLE	2.256
Antimony	09/09/99	ND	14	0.451
Arsenic	09/09/99	13.4	20	0.451
Barium	09/09/99	41.7	700	0.113
Beryllium	09/09/99	1.47	1	0.113
Cadmium	09/09/99	0.385	1	0.113
Calcium	09/09/99	629	NLE	4.511
Chromium	09/09/99	143	NLE	0.113
Cobalt	09/09/99	2.33	NLE	0.113
Copper	09/09/99	1.92	600	0.677
Iron	09/09/99	42000	NLE	2.256
Lead	09/09/99	7.38	100	0.451
Magnesium	09/09/99	4990	NLE	4.511
Manganese	09/09/99	28.1	NLE	0.113
Mercury	09/08/99	ND	14	0.025
Nickel	09/09/99	6.01	250	0.113
Potassium	09/09/99	11500	NLE	4.511
Selenium	09/09/99	ND	63	0.677
Silver	09/09/99	ND	110	0.677
Sodium	09/09/99	218	NLE	4.511
Thallium	09/09/99	ND	2	0.677
Vanadium	09/09/99	77.5	370	0.226
Zinc	09/09/99	43.6	1500	0.226

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 #: 4760.14
Sample Received: 08/30/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-80, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	9650	NLE	2.501
Antimony	09/09/99	ND	14	0.500
Arsenic	09/09/99	16.4	20	0.500
Barium	09/09/99	17.7	700	0.125
Beryllium	09/09/99	0.640	1	0.125
Cadmium	09/09/99	0.257	1	0.125
Calcium	09/09/99	941	NLE	5.002
Chromium	09/09/99	74.8	NLE	0.125
Cobalt	09/09/99	1.55	NLE	0.125
Copper	09/09/99	21.8	600	0.750
Iron	09/09/99	17800	NLE	2.501
Lead	09/09/99	33.8	100	0.500
Magnesium	09/09/99	2270	NLE	5.002
Manganese	09/09/99	30.1	NLE	0.125
Mercury	09/08/99	ND	14	0.025
Nickel	09/09/99	7.09	250	0.125
Potassium	09/09/99	3820	NLE	5.002
Selenium	09/09/99	ND	63	0.750
Silver	09/09/99	ND	110	0.750
Sodium	09/09/99	109	NLE	5.002
Thallium	09/09/99	ND	2	0.750
Vanadium	09/09/99	34.0	370	0.250
Zinc	09/09/99	76.0	1500	0.250

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 #: 4760.16
Sample Received: 08/30/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-81, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	11700	NLE	2.669
Antimony	09/09/99	ND	14	0.534
Arsenic	09/09/99	16.8	20	0.534
Barium	09/09/99	16.7	700	0.133
Beryllium	09/09/99	1.41	1	0.133
Cadmium	09/09/99	0.612	1	0.133
Calcium	09/09/99	635	NLE	5.337
Chromium	09/09/99	149	NLE	0.133
Cobalt	09/09/99	1.40	NLE	0.133
Copper	09/09/99	30.9	600	0.801
Iron	09/09/99	35100	NLE	2.669
Lead	09/09/99	41.3	100	0.534
Magnesium	09/09/99	4300	NLE	5.337
Manganese	09/09/99	29.3	NLE	0.133
Mercury	09/08/99	ND	14	0.024
Nickel	09/09/99	6.91	250	0.133
Potassium	09/09/99	9980	NLE	5.337
Selenium	09/09/99	ND	63	0.801
Silver	09/09/99	ND	110	0.801
Sodium	09/09/99	116	NLE	5.337
Thallium	09/09/99	ND	2	0.801
Vanadium	09/09/99	59.2	370	0.267
Zinc	09/09/99	85.2	1500	0.267

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 #: 4760.18
Sample Received: 08/30/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-82, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	9940	NLE	2.740
Antimony	09/09/99	ND	14	0.548
Arsenic	09/09/99	13.1	20	0.548
Barium	09/09/99	84.2	700	0.137
Beryllium	09/09/99	1.38	1	0.137
Cadmium	09/09/99	0.483	1	0.137
Calcium	09/09/99	1690	NLE	5.481
Chromium	09/09/99	152	NLE	0.137
Cobalt	09/09/99	1.10	NLE	0.137
Copper	09/09/99	8.95	600	0.822
Iron	09/09/99	37600	NLE	2.740
Lead	09/09/99	14.7	100	0.548
Magnesium	09/09/99	4260	NLE	5.481
Manganese	09/09/99	22.9	NLE	0.137
Mercury	09/08/99	0.034	14	0.026
Nickel	09/09/99	5.03	250	0.137
Potassium	09/09/99	10500	NLE	5.481
Selenium	09/09/99	1.00	63	0.822
Silver	09/09/99	ND	110	0.822
Sodium	09/09/99	130	NLE	5.481
Thallium	09/09/99	ND	2	0.822
Vanadium	09/09/99	66.7	370	0.274
Zinc	09/09/99	52.5	1500	0.274

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 #: 4760.20
Sample Received: 08/30/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-83, 5-11"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	17900	NLE	2.243
Antimony	09/09/99	ND	14	0.449
Arsenic	09/09/99	40.4	20	0.449
Barium	09/09/99	10.5	700	0.112
Beryllium	09/09/99	2.36	1	0.112
Cadmium	09/09/99	0.646	1	0.112
Calcium	09/09/99	624	NLE	4.486
Chromium	09/09/99	274	NLE	0.112
Cobalt	09/09/99	1.02	NLE	0.112
Copper	09/09/99	16.3	600	0.673
Iron	09/09/99	57700	NLE	2.243
Lead	09/09/99	8.58	100	0.449
Magnesium	09/09/99	8130	NLE	4.486
Manganese	09/09/99	21.5	NLE	0.112
Mercury	09/08/99	ND	14	0.026
Nickel	09/09/99	6.26	250	0.112
Potassium	09/09/99	19100	NLE	4.486
Selenium	09/09/99	ND	63	0.673
Silver	09/09/99	ND	110	0.673
Sodium	09/09/99	96.5	NLE	4.486
Thallium	09/09/99	ND	2	0.673
Vanadium	09/09/99	115	370	0.224
Zinc	09/09/99	56.4	1500	0.224

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 #: 4760.22
Sample Received: 08/30/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-84, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	18600	NLE	2.535
Antimony	09/09/99	ND	14	0.507
Arsenic	09/09/99	21.7	20	0.507
Barium	09/09/99	15.0	700	0.127
Beryllium	09/09/99	2.15	1	0.127
Cadmium	09/09/99	0.667	1	0.127
Calcium	09/09/99	735	NLE	5.070
Chromium	09/09/99	259	NLE	0.127
Cobalt	09/09/99	1.14	NLE	0.127
Copper	09/09/99	24.5	600	0.761
Iron	09/09/99	53900	NLE	2.535
Lead	09/09/99	18.6	100	0.507
Magnesium	09/09/99	7620	NLE	5.070
Manganese	09/09/99	30.4	NLE	0.127
Mercury	09/08/99	0.051	14	0.025
Nickel	09/09/99	7.73	250	0.127
Potassium	09/09/99	17800	NLE	5.070
Selenium	09/09/99	ND	63	0.761
Silver	09/09/99	ND	110	0.761
Sodium	09/09/99	145	NLE	5.070
Thallium	09/09/99	ND	2	0.761
Vanadium	09/09/99	113	370	0.254
Zinc	09/09/99	76.7	1500	0.254

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 #: 4760.24
Sample Received: 08/30/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-85, 4-10"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	12500	NLE	2.272
Antimony	09/09/99	ND	14	0.454
Arsenic	09/09/99	8.21	20	0.454
Barium	09/09/99	57.3	700	0.114
Beryllium	09/09/99	1.19	1	0.114
Cadmium	09/09/99	0.242	1	0.114
Calcium	09/09/99	655	NLE	4.544
Chromium	09/09/99	66.6	NLE	0.114
Cobalt	09/09/99	7.25	NLE	0.114
Copper	09/09/99	35.2	600	0.682
Iron	09/09/99	19100	NLE	2.272
Lead	09/09/99	58.8	100	0.454
Magnesium	09/09/99	1610	NLE	4.544
Manganese	09/09/99	39.4	NLE	0.114
Mercury	09/08/99	0.090	14	0.024
Nickel	09/09/99	21.3	250	0.114
Potassium	09/09/99	3980	NLE	4.544
Selenium	09/09/99	1.17	63	0.682
Silver	09/09/99	ND	110	0.682
Sodium	09/09/99	242	NLE	4.544
Thallium	09/09/99	ND	2	0.682
Vanadium	09/09/99	44.3	370	0.227
Zinc	09/09/99	47.0	1500	0.227

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 #: 4760.26
Sample Received: 08/30/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-86, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	17800	NLE	2.491
Antimony	09/09/99	ND	14	0.498
Arsenic	09/09/99	21.2	20	0.498
Barium	09/09/99	15.1	700	0.125
Beryllium	09/09/99	2.02	1	0.125
Cadmium	09/09/99	0.378	1	0.125
Calcium	09/09/99	484	NLE	4.982
Chromium	09/09/99	240	NLE	0.125
Cobalt	09/09/99	1.09	NLE	0.125
Copper	09/09/99	13.1	600	0.747
Iron	09/09/99	46200	NLE	2.491
Lead	09/09/99	6.57	100	0.498
Magnesium	09/09/99	6920	NLE	4.982
Manganese	09/09/99	31.0	NLE	0.125
Mercury	09/08/99	ND	14	0.023
Nickel	09/09/99	5.26	250	0.125
Potassium	09/09/99	15800	NLE	4.982
Selenium	09/09/99	ND	63	0.747
Silver	09/09/99	ND	110	0.747
Sodium	09/09/99	142	NLE	4.982
Thallium	09/09/99	ND	2	0.747
Vanadium	09/09/99	113	370	0.249
Zinc	09/09/99	49.0	1500	0.249

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 #: 4760.28
Sample Received: 08/30/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-87, 5-11"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	17000	NLE	2.308
Antimony	09/09/99	ND	14	0.462
Arsenic	09/09/99	40.7	20	0.462
Barium	09/09/99	83.0	700	0.115
Beryllium	09/09/99	2.05	1	0.115
Cadmium	09/09/99	0.527	1	0.115
Calcium	09/09/99	1050	NLE	4.615
Chromium	09/09/99	242	NLE	0.115
Cobalt	09/09/99	1.89	NLE	0.115
Copper	09/09/99	24.5	600	0.692
Iron	09/09/99	52700	NLE	2.308
Lead	09/09/99	35.7	100	0.462
Magnesium	09/09/99	6780	NLE	4.615
Manganese	09/09/99	49.2	NLE	0.115
Mercury	09/08/99	0.059	14	0.022
Nickel	09/09/99	7.88	250	0.115
Potassium	09/09/99	15300	NLE	4.615
Selenium	09/09/99	ND	63	0.692
Silver	09/09/99	ND	110	0.692
Sodium	09/09/99	185	NLE	4.615
Thallium	09/09/99	ND	2	0.692
Vanadium	09/09/99	105	370	0.231
Zinc	09/09/99	120	1500	0.231

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 #: 4760.30
Sample Received: 08/30/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-88, 5-11"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	15100	NLE	2.322
Antimony	09/09/99	ND	14	0.464
Arsenic	09/09/99	18.8	20	0.464
Barium	09/09/99	32.5	700	0.116
Beryllium	09/09/99	1.74	1	0.116
Cadmium	09/09/99	0.520	1	0.116
Calcium	09/09/99	1180	NLE	4.643
Chromium	09/09/99	191	NLE	0.116
Cobalt	09/09/99	1.34	NLE	0.116
Copper	09/09/99	15.3	600	0.697
Iron	09/09/99	44600	NLE	2.322
Lead	09/09/99	32.1	100	0.464
Magnesium	09/09/99	5790	NLE	4.643
Manganese	09/09/99	71.6	NLE	0.116
Mercury	09/08/99	0.084	14	0.023
Nickel	09/09/99	6.31	250	0.116
Potassium	09/09/99	13400	NLE	4.643
Selenium	09/09/99	ND	63	0.697
Silver	09/09/99	1.09	110	0.697
Sodium	09/09/99	117	NLE	4.643
Thallium	09/09/99	ND	2	0.697
Vanadium	09/09/99	80.5	370	0.232
Zinc	09/09/99	115	1500	0.232

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 #: 4762.02
Sample Received: 08/31/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-89, 3-9"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	14100	NLE	2.465
Antimony	09/09/99	ND	14	0.493
Arsenic	09/09/99	25.3	20	0.493
Barium	09/09/99	53.0	700	0.123
Beryllium	09/09/99	1.06	1	0.123
Cadmium	09/09/99	0.608	1	0.123
Calcium	09/09/99	2050	NLE	4.929
Chromium	09/09/99	94.8	NLE	0.123
Cobalt	09/09/99	2.66	NLE	0.123
Copper	09/09/99	16.1	600	0.739
Iron	09/09/99	32100	NLE	2.465
Lead	09/09/99	56.9	100	0.493
Magnesium	09/09/99	2850	NLE	4.929
Manganese	09/09/99	40.9	NLE	0.123
Mercury	09/08/99	0.261	14	0.021
Nickel	09/09/99	8.46	250	0.123
Potassium	09/09/99	6530	NLE	4.929
Selenium	09/09/99	ND	63	0.739
Silver	09/09/99	ND	110	0.739
Sodium	09/09/99	167	NLE	4.929
Thallium	09/09/99	ND	2	0.739
Vanadium	09/09/99	57.5	370	0.246
Zinc	09/09/99	37.1	1500	0.246

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 #: 4762.04
Sample Received: 08/31/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-90, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	8780	NLE	2.298
Antimony	09/09/99	ND	14	0.460
Arsenic	09/09/99	7.51	20	0.460
Barium	09/09/99	22.8	700	0.115
Beryllium	09/09/99	0.632	1	0.115
Cadmium	09/09/99	0.538	1	0.115
Calcium	09/09/99	612	NLE	4.597
Chromium	09/09/99	69.7	NLE	0.115
Cobalt	09/09/99	2.25	NLE	0.115
Copper	09/09/99	8.91	600	0.690
Iron	09/09/99	21200	NLE	2.298
Lead	09/09/99	35.7	100	0.460
Magnesium	09/09/99	1730	NLE	4.597
Manganese	09/09/99	38.8	NLE	0.115
Mercury	09/08/99	0.062	14	0.018
Nickel	09/09/99	5.58	250	0.115
Potassium	09/09/99	3840	NLE	4.597
Selenium	09/09/99	ND	63	0.690
Silver	09/09/99	ND	110	0.690
Sodium	09/09/99	126	NLE	4.597
Thallium	09/09/99	ND	2	0.690
Vanadium	09/09/99	44.4	370	0.230
Zinc	09/09/99	82.6	1500	0.230

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 #: 4762.06
Sample Received: 08/31/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-91, 4-10"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	12400	NLE	2.386
Antimony	09/09/99	ND	14	0.477
Arsenic	09/09/99	9.26	20	0.477
Barium	09/09/99	47.9	700	0.119
Beryllium	09/09/99	0.931	1	0.119
Cadmium	09/09/99	0.192	1	0.119
Calcium	09/09/99	349	NLE	4.772
Chromium	09/09/99	95.8	NLE	0.119
Cobalt	09/09/99	1.83	NLE	0.119
Copper	09/09/99	21.4	600	0.716
Iron	09/09/99	26400	NLE	2.386
Lead	09/09/99	37.6	100	0.477
Magnesium	09/09/99	2920	NLE	4.772
Manganese	09/09/99	24.4	NLE	0.119
Mercury	09/08/99	0.050	14	0.025
Nickel	09/09/99	5.75	250	0.119
Potassium	09/09/99	6750	NLE	4.772
Selenium	09/09/99	ND	63	0.716
Silver	09/09/99	ND	110	0.716
Sodium	09/09/99	215	NLE	4.772
Thallium	09/09/99	ND	2	0.716
Vanadium	09/09/99	50.7	370	0.239
Zinc	09/09/99	47.9	1500	0.239

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 #: 4762.08
Sample Received: 08/31/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-92, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	17400	NLE	2.549
Antimony	09/09/99	ND	14	0.510
Arsenic	09/09/99	31.0	20	0.510
Barium	09/09/99	17.6	700	0.127
Beryllium	09/09/99	1.47	1	0.127
Cadmium	09/09/99	0.244	1	0.127
Calcium	09/09/99	525	NLE	5.097
Chromium	09/09/99	187	NLE	0.127
Cobalt	09/09/99	1.45	NLE	0.127
Copper	09/09/99	17.7	600	0.765
Iron	09/09/99	38500	NLE	2.549
Lead	09/09/99	17.3	100	0.510
Magnesium	09/09/99	5100	NLE	5.097
Manganese	09/09/99	47.2	NLE	0.127
Mercury	09/08/99	0.051	14	0.023
Nickel	09/09/99	5.20	250	0.127
Potassium	09/09/99	10600	NLE	5.097
Selenium	09/09/99	ND	63	0.765
Silver	09/09/99	ND	110	0.765
Sodium	09/09/99	120	NLE	5.097
Thallium	09/09/99	ND	2	0.765
Vanadium	09/09/99	88.7	370	0.255
Zinc	09/09/99	57.4	1500	0.255

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 #: 4762.10
Sample Received: 08/31/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-93, 2-8"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	19100	NLE	2.647
Antimony	09/09/99	ND	14	0.529
Arsenic	09/09/99	26.5	20	0.529
Barium	09/09/99	15.2	700	0.132
Beryllium	09/09/99	2.32	1	0.132
Cadmium	09/09/99	0.784	1	0.132
Calcium	09/09/99	1140	NLE	5.295
Chromium	09/09/99	273	NLE	0.132
Cobalt	09/09/99	1.06	NLE	0.132
Copper	09/09/99	17.7	600	0.794
Iron	09/09/99	54700	NLE	2.647
Lead	09/09/99	10.8	100	0.529
Magnesium	09/09/99	8130	NLE	5.295
Manganese	09/09/99	22.8	NLE	0.132
Mercury	09/08/99	0.063	14	0.024
Nickel	09/09/99	7.67	250	0.132
Potassium	09/09/99	18700	NLE	5.295
Selenium	09/09/99	ND	63	0.794
Silver	09/09/99	ND	110	0.794
Sodium	09/09/99	132	NLE	5.295
Thallium	09/09/99	ND	2	0.794
Vanadium	09/09/99	116	370	0.265
Zinc	09/09/99	82.8	1500	0.265

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 #: 4762.12
Sample Received: 08/31/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-94, 4-10"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	19700	NLE	2.274
Antimony	09/09/99	ND	14	0.455
Arsenic	09/09/99	21.5	20	0.455
Barium	09/09/99	81.5	700	0.114
Beryllium	09/09/99	1.91	1	0.114
Cadmium	09/09/99	0.693	1	0.114
Calcium	09/09/99	1590	NLE	4.548
Chromium	09/09/99	221	NLE	0.114
Cobalt	09/09/99	1.76	NLE	0.114
Copper	09/09/99	138	600	0.682
Iron	09/09/99	46200	NLE	2.274
Lead	09/09/99	209	100	0.455
Magnesium	09/09/99	6580	NLE	4.548
Manganese	09/09/99	80.0	NLE	0.114
Mercury	09/08/99	0.064	14	0.021
Nickel	09/09/99	7.65	250	0.114
Potassium	09/09/99	14800	NLE	4.548
Selenium	09/09/99	ND	63	0.682
Silver	09/09/99	ND	110	0.682
Sodium	09/09/99	234	NLE	4.548
Thallium	09/09/99	ND	2	0.682
Vanadium	09/09/99	101	370	0.227
Zinc	09/09/99	316	1500	0.227

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 #: 4762.14
Sample Received: 08/31/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-95, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	15900	NLE	2.072
Antimony	09/09/99	ND	14	0.414
Arsenic	09/09/99	20.1	20	0.414
Barium	09/09/99	40.1	700	0.104
Beryllium	09/09/99	1.49	1	0.104
Cadmium	09/09/99	0.965	1	0.104
Calcium	09/09/99	1430	NLE	4.144
Chromium	09/09/99	170	NLE	0.104
Cobalt	09/09/99	2.20	NLE	0.104
Copper	09/09/99	88.6	600	0.622
Iron	09/09/99	39600	NLE	2.072
Lead	09/09/99	50.4	100	0.414
Magnesium	09/09/99	5150	NLE	4.144
Manganese	09/09/99	53.5	NLE	0.104
Mercury	09/08/99	0.099	14	0.025
Nickel	09/09/99	8.68	250	0.104
Potassium	09/09/99	11400	NLE	4.144
Selenium	09/09/99	ND	63	0.622
Silver	09/09/99	ND	110	0.622
Sodium	09/09/99	130	NLE	4.144
Thallium	09/09/99	ND	2	0.622
Vanadium	09/09/99	82.0	370	0.207
Zinc	09/09/99	94.5	1500	0.207

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 #: 4762.16
Sample Received: 08/31/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-96, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	12900	NLE	2.026
Antimony	09/09/99	1.88	14	0.405
Arsenic	09/09/99	14.5	20	0.405
Barium	09/09/99	53.1	700	0.101
Beryllium	09/09/99	0.907	1	0.101
Cadmium	09/09/99	0.648	1	0.101
Calcium	09/09/99	1120	NLE	4.052
Chromium	09/09/99	101	NLE	0.101
Cobalt	09/09/99	2.91	NLE	0.101
Copper	09/09/99	181	600	0.608
Iron	09/09/99	25600	NLE	2.026
Lead	09/09/99	79.5	100	0.405
Magnesium	09/09/99	2950	NLE	4.052
Manganese	09/09/99	123	NLE	0.101
Mercury	09/08/99	0.162	14	0.026
Nickel	09/09/99	10.4	250	0.101
Potassium	09/09/99	6190	NLE	4.052
Selenium	09/09/99	0.698	63	0.608
Silver	09/09/99	0.719	110	0.608
Sodium	09/09/99	146	NLE	4.052
Thallium	09/09/99	ND	2	0.608
Vanadium	09/09/99	59.7	370	0.203
Zinc	09/09/99	402	1500	0.203

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 #: 4762.18
Sample Received: 08/31/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-97, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	15100	NLE	2.063
Antimony	09/09/99	ND	14	0.413
Arsenic	09/09/99	15.5	20	0.413
Barium	09/09/99	25.5	700	0.103
Beryllium	09/09/99	1.10	1	0.103
Cadmium	09/09/99	0.281	1	0.103
Calcium	09/09/99	647	NLE	4.126
Chromium	09/09/99	124	NLE	0.103
Cobalt	09/09/99	2.41	NLE	0.103
Copper	09/09/99	4.44	600	0.619
Iron	09/09/99	39400	NLE	2.063
Lead	09/09/99	11.3	100	0.413
Magnesium	09/09/99	2880	NLE	4.126
Manganese	09/09/99	31.9	NLE	0.103
Mercury	09/08/99	0.094	14	0.023
Nickel	09/09/99	9.02	250	0.103
Potassium	09/09/99	5850	NLE	4.126
Selenium	09/09/99	0.706	63	0.619
Silver	09/09/99	ND	110	0.619
Sodium	09/09/99	174	NLE	4.126
Thallium	09/09/99	ND	2	0.619
Vanadium	09/09/99	95.5	370	0.206
Zinc	09/09/99	47.2	1500	0.206

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 #: 4762.20
Sample Received: 08/31/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-98, 3-9"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	12900	NLE	1.669
Antimony	09/09/99	ND	14	0.334
Arsenic	09/09/99	9.72	20	0.334
Barium	09/09/99	27.8	700	0.083
Beryllium	09/09/99	1.03	1	0.083
Cadmium	09/09/99	0.295	1	0.083
Calcium	09/09/99	583	NLE	3.338
Chromium	09/09/99	129	NLE	0.083
Cobalt	09/09/99	1.92	NLE	0.083
Copper	09/09/99	4.51	600	0.501
Iron	09/09/99	29000	NLE	1.669
Lead	09/09/99	18.3	100	0.334
Magnesium	09/09/99	3060	NLE	3.338
Manganese	09/09/99	31.7	NLE	0.083
Mercury	09/08/99	0.243	14	0.022
Nickel	09/09/99	6.54	250	0.083
Potassium	09/09/99	6300	NLE	3.338
Selenium	09/09/99	ND	63	0.501
Silver	09/09/99	ND	110	0.501
Sodium	09/09/99	120	NLE	3.338
Thallium	09/09/99	ND	2	0.501
Vanadium	09/09/99	75.9	370	0.167
Zinc	09/09/99	62.0	1500	0.167

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 #: 4762.22
Sample Received: 08/31/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-99, 4-10"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	14900	NLE	2.100
Antimony	09/09/99	ND	14	0.420
Arsenic	09/09/99	11.3	20	0.420
Barium	09/09/99	42.5	700	0.105
Beryllium	09/09/99	1.51	1	0.105
Cadmium	09/09/99	0.336	1	0.105
Calcium	09/09/99	762	NLE	4.201
Chromium	09/09/99	84.7	NLE	0.105
Cobalt	09/09/99	2.56	NLE	0.105
Copper	09/09/99	3.31	600	0.630
Iron	09/09/99	35600	NLE	2.100
Lead	09/09/99	11.6	100	0.420
Magnesium	09/09/99	3530	NLE	4.201
Manganese	09/09/99	80.0	NLE	0.105
Mercury	09/08/99	0.084	14	0.021
Nickel	09/09/99	8.89	250	0.105
Potassium	09/09/99	6720	NLE	4.201
Selenium	09/09/99	ND	63	0.630
Silver	09/09/99	ND	110	0.630
Sodium	09/09/99	169	NLE	4.201
Thallium	09/09/99	ND	2	0.630
Vanadium	09/09/99	50.6	370	0.210
Zinc	09/09/99	92.3	1500	0.210

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 #: 4762.24
Sample Received: 08/31/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-100, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	16800	NLE	2.232
Antimony	09/09/99	ND	14	0.446
Arsenic	09/09/99	20.6	20	0.446
Barium	09/09/99	29.7	700	0.112
Beryllium	09/09/99	1.80	1	0.112
Cadmium	09/09/99	0.522	1	0.112
Calcium	09/09/99	842	NLE	4.463
Chromium	09/09/99	206	NLE	0.112
Cobalt	09/09/99	2.35	NLE	0.112
Copper	09/09/99	14.2	600	0.669
Iron	09/09/99	45500	NLE	2.232
Lead	09/09/99	22.9	100	0.446
Magnesium	09/09/99	5950	NLE	4.463
Manganese	09/09/99	25.5	NLE	0.112
Mercury	09/08/99	0.131	14	0.025
Nickel	09/09/99	9.27	250	0.112
Potassium	09/09/99	13600	NLE	4.463
Selenium	09/09/99	ND	63	0.669
Silver	09/09/99	ND	110	0.669
Sodium	09/09/99	142	NLE	4.463
Thallium	09/09/99	ND	2	0.669
Vanadium	09/09/99	96.8	370	0.223
Zinc	09/09/99	50.0	1500	0.223

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 #: 4762.26
Sample Received: 08/31/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-101, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	21800	NLE	1.973
Antimony	09/09/99	0.455	14	0.395
Arsenic	09/09/99	21.7	20	0.395
Barium	09/09/99	31.4	700	0.099
Beryllium	09/09/99	1.73	1	0.099
Cadmium	09/09/99	0.331	1	0.099
Calcium	09/09/99	736	NLE	3.947
Chromium	09/09/99	210	NLE	0.099
Cobalt	09/09/99	1.58	NLE	0.099
Copper	09/09/99	16.4	600	0.592
Iron	09/09/99	39000	NLE	1.973
Lead	09/09/99	28.3	100	0.395
Magnesium	09/09/99	5690	NLE	3.947
Manganese	09/09/99	55.6	NLE	0.099
Mercury	09/08/99	0.047	14	0.026
Nickel	09/09/99	6.15	250	0.099
Potassium	09/09/99	12000	NLE	3.947
Selenium	09/09/99	ND	63	0.592
Silver	09/09/99	ND	110	0.592
Sodium	09/09/99	136	NLE	3.947
Thallium	09/09/99	ND	2	0.592
Vanadium	09/09/99	101	370	0.197
Zinc	09/09/99	65.0	1500	0.197

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 #: 4762.28
Sample Received: 08/31/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-102, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	24700	NLE	2.316
Antimony	09/09/99	ND	14	0.463
Arsenic	09/09/99	32.1	20	0.463
Barium	09/09/99	17.3	700	0.116
Beryllium	09/09/99	2.71	1	0.116
Cadmium	09/09/99	0.924	1	0.116
Calcium	09/09/99	964	NLE	4.632
Chromium	09/09/99	338	NLE	0.116
Cobalt	09/09/99	1.32	NLE	0.116
Copper	09/09/99	20.9	600	0.695
Iron	09/09/99	74100	NLE	2.316
Lead	09/09/99	10.3	100	0.463
Magnesium	09/09/99	10500	NLE	4.632
Manganese	09/09/99	42.7	NLE	0.116
Mercury	09/08/99	ND	14	0.026
Nickel	09/09/99	7.82	250	0.116
Potassium	09/09/99	24100	NLE	4.632
Selenium	09/09/99	ND	63	0.695
Silver	09/09/99	ND	110	0.695
Sodium	09/09/99	181	NLE	4.632
Thallium	09/09/99	ND	2	0.695
Vanadium	09/09/99	134	370	0.232
Zinc	09/09/99	69.7	1500	0.232

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 #: 4774.02
Sample Received: 09/07/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-103, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	18200	NLE	2.198
Antimony	09/09/99	0.461	14	0.440
Arsenic	09/09/99	23.6	20	0.440
Barium	09/09/99	75.7	700	0.110
Beryllium	09/09/99	1.95	1	0.110
Cadmium	09/09/99	1.43	1	0.110
Calcium	09/09/99	1340	NLE	4.396
Chromium	09/09/99	211	NLE	0.110
Cobalt	09/09/99	2.03	NLE	0.110
Copper	09/09/99	34.0	600	0.659
Iron	09/09/99	45500	NLE	2.198
Lead	09/09/99	60.1	100	0.440
Magnesium	09/09/99	6060	NLE	4.396
Manganese	09/09/99	44.1	NLE	0.110
Mercury	09/08/99	0.378	14	0.025
Nickel	09/09/99	10.6	250	0.110
Potassium	09/09/99	13500	NLE	4.396
Selenium	09/09/99	ND	63	0.659
Silver	09/09/99	0.856	110	0.659
Sodium	09/09/99	117	NLE	4.396
Thallium	09/09/99	ND	2	0.659
Vanadium	09/09/99	98.7	370	0.220
Zinc	09/09/99	102	1500	0.220

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 #: 4774.04
Sample Received: 09/07/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-104, 3-9"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	12800	NLE	2.155
Antimony	09/09/99	ND	14	0.431
Arsenic	09/09/99	8.63	20	0.431
Barium	09/09/99	35.3	700	0.108
Beryllium	09/09/99	0.797	1	0.108
Cadmium	09/09/99	0.411	1	0.108
Calcium	09/09/99	528	NLE	4.309
Chromium	09/09/99	68.6	NLE	0.108
Cobalt	09/09/99	4.18	NLE	0.108
Copper	09/09/99	3.68	600	0.646
Iron	09/09/99	31800	NLE	2.155
Lead	09/09/99	13.4	100	0.431
Magnesium	09/09/99	1210	NLE	4.309
Manganese	09/09/99	89.5	NLE	0.108
Mercury	09/08/99	0.047	14	0.022
Nickel	09/09/99	10.5	250	0.108
Potassium	09/09/99	2580	NLE	4.309
Selenium	09/09/99	ND	63	0.646
Silver	09/09/99	ND	110	0.646
Sodium	09/09/99	131	NLE	4.309
Thallium	09/09/99	ND	2	0.646
Vanadium	09/09/99	75.0	370	0.215
Zinc	09/09/99	49.0	1500	0.215

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 #: 4774.06
Sample Received: 09/07/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-105, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	15700	NLE	2.079
Antimony	09/09/99	ND	14	0.416
Arsenic	09/09/99	13.5	20	0.416
Barium	09/09/99	41.1	700	0.104
Beryllium	09/09/99	1.12	1	0.104
Cadmium	09/09/99	0.440	1	0.104
Calcium	09/09/99	854	NLE	4.158
Chromium	09/09/99	96.8	NLE	0.104
Cobalt	09/09/99	3.27	NLE	0.104
Copper	09/09/99	16.1	600	0.624
Iron	09/09/99	33600	NLE	2.079
Lead	09/09/99	28.3	100	0.416
Magnesium	09/09/99	3260	NLE	4.158
Manganese	09/09/99	64.6	NLE	0.104
Mercury	09/08/99	0.141	14	0.024
Nickel	09/09/99	9.53	250	0.104
Potassium	09/09/99	6920	NLE	4.158
Selenium	09/09/99	ND	63	0.624
Silver	09/09/99	ND	110	0.624
Sodium	09/09/99	243	NLE	4.158
Thallium	09/09/99	ND	2	0.624
Vanadium	09/09/99	63.2	370	0.208
Zinc	09/09/99	61.3	1500	0.208

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 #: 4774.08
Sample Received: 09/07/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-106, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	17900	NLE	2.304
Antimony	09/09/99	ND	14	0.461
Arsenic	09/09/99	13.9	20	0.461
Barium	09/09/99	42.2	700	0.115
Beryllium	09/09/99	1.32	1	0.115
Cadmium	09/09/99	0.443	1	0.115
Calcium	09/09/99	984	NLE	4.608
Chromium	09/09/99	132	NLE	0.115
Cobalt	09/09/99	4.12	NLE	0.115
Copper	09/09/99	9.78	600	0.691
Iron	09/09/99	39500	NLE	2.304
Lead	09/09/99	39.9	100	0.461
Magnesium	09/09/99	4200	NLE	4.608
Manganese	09/09/99	123	NLE	0.115
Mercury	09/08/99	0.051	14	0.023
Nickel	09/09/99	8.91	250	0.115
Potassium	09/09/99	9120	NLE	4.608
Selenium	09/09/99	ND	63	0.691
Silver	09/09/99	ND	110	0.691
Sodium	09/09/99	143	NLE	4.608
Thallium	09/09/99	ND	2	0.691
Vanadium	09/09/99	71.9	370	0.230
Zinc	09/09/99	71.3	1500	0.230

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 #: 4774.10
Sample Received: 09/07/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-107, 4-10"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	22700	NLE	2.281
Antimony	09/09/99	ND	14	0.456
Arsenic	09/09/99	26.0	20	0.456
Barium	09/09/99	13.1	700	0.114
Beryllium	09/09/99	2.81	1	0.114
Cadmium	09/09/99	0.84	1	0.114
Calcium	09/09/99	808	NLE	4.561
Chromium	09/09/99	333	NLE	0.114
Cobalt	09/09/99	1.22	NLE	0.114
Copper	09/09/99	2.95	600	0.684
Iron	09/09/99	66600	NLE	2.281
Lead	09/09/99	11.2	100	0.456
Magnesium	09/09/99	9940	NLE	4.561
Manganese	09/09/99	33.7	NLE	0.114
Mercury	09/08/99	0.046	14	0.021
Nickel	09/09/99	6.94	250	0.114
Potassium	09/09/99	23200	NLE	4.561
Selenium	09/09/99	ND	63	0.684
Silver	09/09/99	ND	110	0.684
Sodium	09/09/99	138	NLE	4.561
Thallium	09/09/99	ND	2	0.684
Vanadium	09/09/99	140	370	0.228
Zinc	09/09/99	62.8	1500	0.228

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 #: 4774.12
Sample Received: 09/07/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-108, 5-11"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	17800	NLE	2.240
Antimony	09/09/99	ND	14	0.448
Arsenic	09/09/99	28.9	20	0.448
Barium	09/09/99	10.9	700	0.112
Beryllium	09/09/99	1.40	1	0.112
Cadmium	09/09/99	0.269	1	0.112
Calcium	09/09/99	429	NLE	4.480
Chromium	09/09/99	178	NLE	0.112
Cobalt	09/09/99	1.22	NLE	0.112
Copper	09/09/99	23.1	600	0.672
Iron	09/09/99	33800	NLE	2.240
Lead	09/09/99	4.84	100	0.448
Magnesium	09/09/99	4880	NLE	4.480
Manganese	09/09/99	31.7	NLE	0.112
Mercury	09/08/99	ND	14	0.019
Nickel	09/09/99	4.99	250	0.112
Potassium	09/09/99	9910	NLE	4.480
Selenium	09/09/99	ND	63	0.672
Silver	09/09/99	ND	110	0.672
Sodium	09/09/99	100	NLE	4.480
Thallium	09/09/99	ND	2	0.672
Vanadium	09/09/99	85.3	370	0.224
Zinc	09/09/99	43.0	1500	0.224

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 #: 4774.14
Sample Received: 09/07/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-109, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	18900	NLE	2.157
Antimony	09/09/99	ND	14	0.431
Arsenic	09/09/99	30.3	20	0.431
Barium	09/09/99	41.6	700	0.108
Beryllium	09/09/99	1.76	1	0.108
Cadmium	09/09/99	0.835	1	0.108
Calcium	09/09/99	1230	NLE	4.313
Chromium	09/09/99	213	NLE	0.108
Cobalt	09/09/99	2.03	NLE	0.108
Copper	09/09/99	33.4	600	0.647
Iron	09/09/99	43500	NLE	2.157
Lead	09/09/99	83.1	100	0.431
Magnesium	09/09/99	6050	NLE	4.313
Manganese	09/09/99	63.5	NLE	0.108
Mercury	09/08/99	0.068	14	0.025
Nickel	09/09/99	8.06	250	0.108
Potassium	09/09/99	13500	NLE	4.313
Selenium	09/09/99	ND	63	0.647
Silver	09/09/99	ND	110	0.647
Sodium	09/09/99	93.3	NLE	4.313
Thallium	09/09/99	ND	2	0.647
Vanadium	09/09/99	104	370	0.216
Zinc	09/09/99	129	1500	0.216

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 #: 4774.16
Sample Received: 09/07/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-110, 9-15"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	10200	NLE	1.920
Antimony	09/09/99	ND	14	0.384
Arsenic	09/09/99	7.60	20	0.384
Barium	09/09/99	29.2	700	0.096
Beryllium	09/09/99	0.709	1	0.096
Cadmium	09/09/99	0.348	1	0.096
Calcium	09/09/99	574	NLE	3.839
Chromium	09/09/99	61.7	NLE	0.096
Cobalt	09/09/99	3.21	NLE	0.096
Copper	09/09/99	3.68	600	0.576
Iron	09/09/99	28800	NLE	1.920
Lead	09/09/99	15.7	100	0.384
Magnesium	09/09/99	1260	NLE	3.839
Manganese	09/09/99	71.1	NLE	0.096
Mercury	09/08/99	ND	14	0.020
Nickel	09/09/99	8.78	250	0.096
Potassium	09/09/99	2630	NLE	3.839
Selenium	09/09/99	ND	63	0.576
Silver	09/09/99	ND	110	0.576
Sodium	09/09/99	75.9	NLE	3.839
Thallium	09/09/99	ND	2	0.576
Vanadium	09/09/99	67.6	370	0.192
Zinc	09/09/99	54.6	1500	0.192

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 #: 4774.18
Sample Received: 09/07/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-111, 3-9"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	14900	NLE	2.157
Antimony	09/09/99	ND	14	0.431
Arsenic	09/09/99	11.5	20	0.431
Barium	09/09/99	34.1	700	0.108
Beryllium	09/09/99	0.994	1	0.108
Cadmium	09/09/99	0.299	1	0.108
Calcium	09/09/99	722	NLE	4.313
Chromium	09/09/99	92.0	NLE	0.108
Cobalt	09/09/99	2.46	NLE	0.108
Copper	09/09/99	4.95	600	0.647
Iron	09/09/99	29400	NLE	2.157
Lead	09/09/99	19.0	100	0.431
Magnesium	09/09/99	3070	NLE	4.313
Manganese	09/09/99	59.7	NLE	0.108
Mercury	09/08/99	ND	14	0.018
Nickel	09/09/99	6.89	250	0.108
Potassium	09/09/99	6430	NLE	4.313
Selenium	09/09/99	ND	63	0.647
Silver	09/09/99	ND	110	0.647
Sodium	09/09/99	107	NLE	4.313
Thallium	09/09/99	ND	2	0.647
Vanadium	09/09/99	54.5	370	0.216
Zinc	09/09/99	42.2	1500	0.216

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 #: 4774.20
Sample Received: 09/07/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-112, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	17400	NLE	2.429
Antimony	09/09/99	ND	14	0.486
Arsenic	09/09/99	17.6	20	0.486
Barium	09/09/99	114	700	0.121
Beryllium	09/09/99	1.54	1	0.121
Cadmium	09/09/99	0.563	1	0.121
Calcium	09/09/99	1330	NLE	4.857
Chromium	09/09/99	133	NLE	0.121
Cobalt	09/09/99	6.36	NLE	0.121
Copper	09/09/99	19.5	600	0.729
Iron	09/09/99	35100	NLE	2.429
Lead	09/09/99	30.2	100	0.486
Magnesium	09/09/99	3670	NLE	4.857
Manganese	09/09/99	51.9	NLE	0.121
Mercury	09/08/99	ND	14	0.029
Nickel	09/09/99	15.3	250	0.121
Potassium	09/09/99	7940	NLE	4.857
Selenium	09/09/99	ND	63	0.729
Silver	09/09/99	ND	110	0.729
Sodium	09/09/99	223	NLE	4.857
Thallium	09/09/99	ND	2	0.729
Vanadium	09/09/99	70.2	370	0.243
Zinc	09/09/99	99.6	1500	0.243

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 #: 4774.22
Sample Received: 09/07/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-113, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/09/99	12000	NLE	2.336
Antimony	09/09/99	ND	14	0.467
Arsenic	09/09/99	16.8	20	0.467
Barium	09/09/99	10.4	700	0.117
Beryllium	09/09/99	1.21	1	0.117
Cadmium	09/09/99	0.324	1	0.117
Calcium	09/09/99	592	NLE	4.672
Chromium	09/09/99	149	NLE	0.117
Cobalt	09/09/99	1.22	NLE	0.117
Copper	09/09/99	2.18	600	0.701
Iron	09/09/99	30500	NLE	2.336
Lead	09/09/99	14.8	100	0.467
Magnesium	09/09/99	3900	NLE	4.672
Manganese	09/09/99	29.6	NLE	0.117
Mercury	09/08/99	ND	14	0.025
Nickel	09/09/99	3.90	250	0.117
Potassium	09/09/99	8640	NLE	4.672
Selenium	09/09/99	ND	63	0.701
Silver	09/09/99	ND	110	0.701
Sodium	09/09/99	48.2	NLE	4.672
Thallium	09/09/99	ND	2	0.701
Vanadium	09/09/99	67.7	370	0.234
Zinc	09/09/99	35.8	1500	0.234

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 #: 4777.02
Sample Received: 09/08/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-114, 4-10"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	13600	NLE	2.494
Antimony	09/22/99	ND	14	0.499
Arsenic	09/22/99	24.9	20	0.499
Barium	09/22/99	28.6	700	0.125
Beryllium	09/22/99	1.67	1	0.125
Cadmium	09/22/99	0.516	1	0.125
Calcium	09/22/99	850	NLE	4.988
Chromium	09/22/99	186	NLE	0.125
Cobalt	09/22/99	1.11	NLE	0.125
Copper	09/22/99	53.6	600	0.748
Iron	09/22/99	41800	NLE	2.494
Lead	09/22/99	66.7	400	0.499
Magnesium	09/22/99	5730	NLE	4.988
Manganese	09/22/99	50.6	NLE	0.125
Mercury	09/14/99	ND	14	0.024
Nickel	09/22/99	6.55	250	0.125
Potassium	09/22/99	12300	NLE	4.988
Selenium	09/22/99	ND	63	0.748
Silver	09/22/99	ND	110	0.748
Sodium	09/22/99	93.9	NLE	4.988
Thallium	09/22/99	ND	2	0.748
Vanadium	09/22/99	73.0	370	0.249
Zinc	09/22/99	99.8	1500	0.249

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 #: 4777.04
Sample Received: 09/08/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-115, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	11000	NLE	2.168
Antimony	09/22/99	ND	14	0.434
Arsenic	09/22/99	12.2	20	0.434
Barium	09/22/99	30.5	700	0.108
Beryllium	09/22/99	1.08	1	0.108
Cadmium	09/22/99	0.195	1	0.108
Calcium	09/22/99	1390	NLE	4.336
Chromium	09/22/99	92.4	NLE	0.108
Cobalt	09/22/99	2.27	NLE	0.108
Copper	09/22/99	18.2	600	0.650
Iron	09/22/99	30800	NLE	2.168
Lead	09/22/99	16.4	400	0.434
Magnesium	09/22/99	3450	NLE	4.336
Manganese	09/22/99	62.1	NLE	0.108
Mercury	09/14/99	ND	14	0.022
Nickel	09/22/99	7.13	250	0.108
Potassium	09/22/99	7030	NLE	4.336
Selenium	09/22/99	ND	63	0.650
Silver	09/22/99	ND	110	0.650
Sodium	09/22/99	191	NLE	4.336
Thallium	09/22/99	ND	2	0.650
Vanadium	09/22/99	50.9	370	0.217
Zinc	09/22/99	73.0	1500	0.217

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 #: 4777.06
Sample Received: 09/08/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-116, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	12500	NLE	2.267
Antimony	09/22/99	ND	14	0.453
Arsenic	09/22/99	16.2	20	0.453
Barium	09/22/99	63.7	700	0.113
Beryllium	09/22/99	1.34	1	0.113
Cadmium	09/22/99	0.493	1	0.113
Calcium	09/22/99	14200	NLE	4.533
Chromium	09/22/99	189	NLE	0.113
Cobalt	09/22/99	3.09	NLE	0.113
Copper	09/22/99	30.6	600	0.680
Iron	09/22/99	41200	NLE	2.267
Lead	09/22/99	38.3	400	0.453
Magnesium	09/22/99	5480	NLE	4.533
Manganese	09/22/99	785	NLE	0.113
Mercury	09/14/99	ND	14	0.021
Nickel	09/22/99	10.2	250	0.113
Potassium	09/22/99	9190	NLE	4.533
Selenium	09/22/99	ND	63	0.680
Silver	09/22/99	ND	110	0.680
Sodium	09/22/99	346	NLE	4.533
Thallium	09/22/99	ND	2	0.680
Vanadium	09/22/99	70.3	370	0.227
Zinc	09/22/99	126	1500	0.227

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 #: 4777.08
Sample Received: 09/08/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-117, 4-10"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	10800	NLE	2.192
Antimony	09/22/99	ND	14	0.438
Arsenic	09/22/99	11.8	20	0.438
Barium	09/22/99	27.6	700	0.110
Beryllium	09/22/99	1.27	1	0.110
Cadmium	09/22/99	2.26	1	0.110
Calcium	09/22/99	1530	NLE	4.385
Chromium	09/22/99	124	NLE	0.110
Cobalt	09/22/99	5.14	NLE	0.110
Copper	09/22/99	38.6	600	0.658
Iron	09/22/99	33600	NLE	2.192
Lead	09/22/99	47.0	400	0.438
Magnesium	09/22/99	3820	NLE	4.385
Manganese	09/22/99	89.8	NLE	0.110
Mercury	09/14/99	ND	14	0.022
Nickel	09/22/99	14.1	250	0.110
Potassium	09/22/99	7840	NLE	4.385
Selenium	09/22/99	ND	63	0.658
Silver	09/22/99	ND	110	0.658
Sodium	09/22/99	190	NLE	4.385
Thallium	09/22/99	ND	2	0.658
Vanadium	09/22/99	57.7	370	0.219
Zinc	09/22/99	226	1500	0.219

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 #: 4777.10
Sample Received: 09/08/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-118, 4-10"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	17200	NLE	2.314
Antimony	09/22/99	ND	14	0.463
Arsenic	09/22/99	24.7	20	0.463
Barium	09/22/99	19.3	700	0.116
Beryllium	09/22/99	1.15	1	0.116
Cadmium	09/22/99	ND	1	0.116
Calcium	09/22/99	773	NLE	4.629
Chromium	09/22/99	159	NLE	0.116
Cobalt	09/22/99	1.08	NLE	0.116
Copper	09/22/99	15.2	600	0.694
Iron	09/22/99	31100	NLE	2.314
Lead	09/22/99	15.9	400	0.463
Magnesium	09/22/99	4600	NLE	4.629
Manganese	09/22/99	34.2	NLE	0.116
Mercury	09/14/99	ND	14	0.027
Nickel	09/22/99	4.83	250	0.116
Potassium	09/22/99	8370	NLE	4.629
Selenium	09/22/99	ND	63	0.694
Silver	09/22/99	ND	110	0.694
Sodium	09/22/99	188	NLE	4.629
Thallium	09/22/99	ND	2	0.694
Vanadium	09/22/99	77.5	370	0.231
Zinc	09/22/99	77.4	1500	0.231

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 #: 4777.12
Sample Received: 09/08/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-119, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	7840	NLE	1.935
Antimony	09/22/99	0.571	14	0.387
Arsenic	09/22/99	5.11	20	0.387
Barium	09/22/99	50.1	700	0.097
Beryllium	09/22/99	0.397	1	0.097
Cadmium	09/22/99	0.229	1	0.097
Calcium	09/22/99	6010	NLE	3.871
Chromium	09/22/99	41.0	NLE	0.097
Cobalt	09/22/99	9.12	NLE	0.097
Copper	09/22/99	60.0	600	0.581
Iron	09/22/99	17900	NLE	1.935
Lead	09/22/99	57.1	400	0.387
Magnesium	09/22/99	4750	NLE	3.871
Manganese	09/22/99	162	NLE	0.097
Mercury	09/14/99	ND	14	0.022
Nickel	09/22/99	18.3	250	0.097
Potassium	09/22/99	1400	NLE	3.871
Selenium	09/22/99	ND	63	0.581
Silver	09/22/99	ND	110	0.581
Sodium	09/22/99	433	NLE	3.871
Thallium	09/22/99	ND	2	0.581
Vanadium	09/22/99	39.6	370	0.194
Zinc	09/22/99	144	1500	0.194

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 #: 4777.14
Sample Received: 09/08/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-120, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	11100	NLE	2.119
Antimony	09/22/99	ND	14	0.424
Arsenic	09/22/99	9.25	20	0.424
Barium	09/22/99	26.2	700	0.106
Beryllium	09/22/99	1.03	1	0.106
Cadmium	09/22/99	0.181	1	0.106
Calcium	09/22/99	957	NLE	4.238
Chromium	09/22/99	81.7	NLE	0.106
Cobalt	09/22/99	2.50	NLE	0.106
Copper	09/22/99	14.3	600	0.636
Iron	09/22/99	30800	NLE	2.119
Lead	09/22/99	18.7	400	0.424
Magnesium	09/22/99	3240	NLE	4.238
Manganese	09/22/99	68.5	NLE	0.106
Mercury	09/14/99	ND	14	0.021
Nickel	09/22/99	7.84	250	0.106
Potassium	09/22/99	6470	NLE	4.238
Selenium	09/22/99	ND	63	0.636
Silver	09/22/99	ND	110	0.636
Sodium	09/22/99	154	NLE	4.238
Thallium	09/22/99	ND	2	0.636
Vanadium	09/22/99	51.3	370	0.212
Zinc	09/22/99	53.5	1500	0.212

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 #: 4777.16
Sample Received: 09/08/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-121, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	10200	NLE	2.282
Antimony	09/22/99	ND	14	0.456
Arsenic	09/22/99	9.15	20	0.456
Barium	09/22/99	23.2	700	0.114
Beryllium	09/22/99	1.08	1	0.114
Cadmium	09/22/99	0.255	1	0.114
Calcium	09/22/99	936	NLE	4.565
Chromium	09/22/99	84.7	NLE	0.114
Cobalt	09/22/99	2.45	NLE	0.114
Copper	09/22/99	16.4	600	0.685
Iron	09/22/99	32500	NLE	2.282
Lead	09/22/99	14.2	400	0.456
Magnesium	09/22/99	3270	NLE	4.565
Manganese	09/22/99	63.6	NLE	0.114
Mercury	09/14/99	ND	14	0.022
Nickel	09/22/99	7.94	250	0.114
Potassium	09/22/99	6600	NLE	4.565
Selenium	09/22/99	ND	63	0.685
Silver	09/22/99	ND	110	0.685
Sodium	09/22/99	90.8	NLE	4.565
Thallium	09/22/99	ND	2	0.685
Vanadium	09/22/99	50.1	370	0.228
Zinc	09/22/99	46.0	1500	0.228

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 #: 4777.18
Sample Received: 09/08/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-122, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	19500	NLE	2.440
Antimony	09/22/99	ND	14	0.488
Arsenic	09/22/99	38.8	20	0.488
Barium	09/22/99	35.5	700	0.122
Beryllium	09/22/99	2.31	1	0.122
Cadmium	09/22/99	0.705	1	0.122
Calcium	09/22/99	1800	NLE	4.880
Chromium	09/22/99	276	NLE	0.122
Cobalt	09/22/99	1.45	NLE	0.122
Copper	09/22/99	41.9	600	0.732
Iron	09/22/99	63500	NLE	2.440
Lead	09/22/99	38.8	400	0.488
Magnesium	09/22/99	8570	NLE	4.880
Manganese	09/22/99	48.6	NLE	0.122
Mercury	09/14/99	ND	14	0.023
Nickel	09/22/99	9.67	250	0.122
Potassium	09/22/99	18400	NLE	4.880
Selenium	09/22/99	ND	63	0.732
Silver	09/22/99	ND	110	0.732
Sodium	09/22/99	160	NLE	4.880
Thallium	09/22/99	ND	2	0.732
Vanadium	09/22/99	116	370	0.244
Zinc	09/22/99	106	1500	0.244

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 #: 4777.20
Sample Received: 09/08/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-123, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	12000	NLE	1.790
Antimony	09/22/99	ND	14	0.358
Arsenic	09/22/99	24.0	20	0.358
Barium	09/22/99	28.3	700	0.090
Beryllium	09/22/99	1.69	1	0.090
Cadmium	09/22/99	0.390	1	0.090
Calcium	09/22/99	1820	NLE	3.580
Chromium	09/22/99	176	NLE	0.090
Cobalt	09/22/99	2.32	NLE	0.090
Copper	09/22/99	43.5	600	0.537
Iron	09/22/99	46100	NLE	1.790
Lead	09/22/99	22.0	400	0.358
Magnesium	09/22/99	5590	NLE	3.580
Manganese	09/22/99	67.6	NLE	0.090
Mercury	09/14/99	ND	14	0.023
Nickel	09/22/99	6.80	250	0.090
Potassium	09/22/99	12900	NLE	3.580
Selenium	09/22/99	ND	63	0.537
Silver	09/22/99	ND	110	0.537
Sodium	09/22/99	416	NLE	3.580
Thallium	09/22/99	ND	2	0.537
Vanadium	09/22/99	44.6	370	0.179
Zinc	09/22/99	83.7	1500	0.179

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 #: 4777.22
Sample Received: 09/08/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-124, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	10500	NLE	1.833
Antimony	09/22/99	ND	14	0.367
Arsenic	09/22/99	9.92	20	0.367
Barium	09/22/99	24.3	700	0.092
Beryllium	09/22/99	1.02	1	0.092
Cadmium	09/22/99	0.201	1	0.092
Calcium	09/22/99	1610	NLE	3.666
Chromium	09/22/99	92.4	NLE	0.092
Cobalt	09/22/99	2.16	NLE	0.092
Copper	09/22/99	14.1	600	0.550
Iron	09/22/99	30200	NLE	1.833
Lead	09/22/99	11.6	400	0.367
Magnesium	09/22/99	3180	NLE	3.666
Manganese	09/22/99	135	NLE	0.092
Mercury	09/14/99	0.033	14	0.024
Nickel	09/22/99	6.80	250	0.092
Potassium	09/22/99	6250	NLE	3.666
Selenium	09/22/99	ND	63	0.550
Silver	09/22/99	ND	110	0.550
Sodium	09/22/99	367	NLE	3.666
Thallium	09/22/99	ND	2	0.550
Vanadium	09/22/99	50.5	370	0.183
Zinc	09/22/99	42.9	1500	0.183

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 #: 4777.24
Sample Received: 09/08/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-125, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	15100	NLE	2.491
Antimony	09/22/99	ND	14	0.498
Arsenic	09/22/99	22.1	20	0.498
Barium	09/22/99	24.5	700	0.125
Beryllium	09/22/99	2.03	1	0.125
Cadmium	09/22/99	0.485	1	0.125
Calcium	09/22/99	2460	NLE	4.983
Chromium	09/22/99	215	NLE	0.125
Cobalt	09/22/99	1.47	NLE	0.125
Copper	09/22/99	14.4	600	0.747
Iron	09/22/99	55200	NLE	2.491
Lead	09/22/99	23.6	400	0.498
Magnesium	09/22/99	7120	NLE	4.983
Manganese	09/22/99	70.1	NLE	0.125
Mercury	09/14/99	ND	14	0.028
Nickel	09/22/99	7.39	250	0.125
Potassium	09/22/99	15900	NLE	4.983
Selenium	09/22/99	ND	63	0.747
Silver	09/22/99	ND	110	0.747
Sodium	09/22/99	104	NLE	4.983
Thallium	09/22/99	ND	2	0.747
Vanadium	09/22/99	65.1	370	0.249
Zinc	09/22/99	68.8	1500	0.249

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 #: 4777.26
Sample Received: 09/08/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-126, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	7010	NLE	2.349
Antimony	09/22/99	ND	14	0.470
Arsenic	09/22/99	9.23	20	0.470
Barium	09/22/99	24.8	700	0.117
Beryllium	09/22/99	0.691	1	0.117
Cadmium	09/22/99	0.283	1	0.117
Calcium	09/22/99	2690	NLE	4.699
Chromium	09/22/99	51.1	NLE	0.117
Cobalt	09/22/99	2.50	NLE	0.117
Copper	09/22/99	20.0	600	0.705
Iron	09/22/99	22200	NLE	2.349
Lead	09/22/99	32.0	400	0.470
Magnesium	09/22/99	2290	NLE	4.699
Manganese	09/22/99	86.6	NLE	0.117
Mercury	09/14/99	0.029	14	0.022
Nickel	09/22/99	6.93	250	0.117
Potassium	09/22/99	3920	NLE	4.699
Selenium	09/22/99	ND	63	0.705
Silver	09/22/99	ND	110	0.705
Sodium	09/22/99	126	NLE	4.699
Thallium	09/22/99	ND	2	0.705
Vanadium	09/22/99	39.5	370	0.235
Zinc	09/22/99	54.7	1500	0.235

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 #: 4790.02
Sample Received: 09/15/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-127, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	10500	NLE	1.955
Antimony	09/22/99	16.7	14	0.391
Arsenic	09/22/99	20.7	20	0.391
Barium	09/22/99	122	700	0.098
Beryllium	09/22/99	1.62	1	0.098
Cadmium	09/22/99	0.523	1	0.098
Calcium	09/22/99	13900	NLE	3.909
Chromium	09/22/99	140	NLE	0.098
Cobalt	09/22/99	27.4	NLE	0.098
Copper	09/22/99	277	600	0.586
Iron	09/22/99	34000	NLE	1.955
Lead	09/22/99	181	400	0.391
Magnesium	09/22/99	4760	NLE	3.909
Manganese	09/22/99	1110	NLE	0.098
Mercury	09/21/99	0.047	14	0.021
Nickel	09/22/99	29.9	250	0.098
Potassium	09/22/99	4990	NLE	3.909
Selenium	09/22/99	ND	63	0.586
Silver	09/22/99	ND	110	0.586
Sodium	09/22/99	268	NLE	3.909
Thallium	09/22/99	ND	2	0.586
Vanadium	09/22/99	52.3	370	0.195
Zinc	09/22/99	725	1500	0.195

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 #: 4790.04
Sample Received: 09/15/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-128, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	13300	NLE	2.219
Antimony	09/22/99	ND	14	0.444
Arsenic	09/22/99	25.4	20	0.444
Barium	09/22/99	22.8	700	0.111
Beryllium	09/22/99	1.17	1	0.111
Cadmium	09/22/99	0.394	1	0.111
Calcium	09/22/99	1480	NLE	4.438
Chromium	09/22/99	189	NLE	0.111
Cobalt	09/22/99	0.802	NLE	0.111
Copper	09/22/99	21.3	600	0.666
Iron	09/22/99	44100	NLE	2.219
Lead	09/22/99	18.1	400	0.444
Magnesium	09/22/99	5710	NLE	4.438
Manganese	09/22/99	38.0	NLE	0.111
Mercury	09/21/99	0.032	14	0.023
Nickel	09/22/99	5.64	250	0.111
Potassium	09/22/99	12900	NLE	4.438
Selenium	09/22/99	1.05	63	0.666
Silver	09/22/99	ND	110	0.666
Sodium	09/22/99	251	NLE	4.438
Thallium	09/22/99	ND	2	0.666
Vanadium	09/22/99	69.4	370	0.222
Zinc	09/22/99	66.3	1500	0.222

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 #: 4790.06
Sample Received: 09/15/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-129, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	16000	NLE	2.515
Antimony	09/22/99	ND	14	0.503
Arsenic	09/22/99	16.1	20	0.503
Barium	09/22/99	47.9	700	0.126
Beryllium	09/22/99	1.59	1	0.126
Cadmium	09/22/99	0.426	1	0.126
Calcium	09/22/99	6480	NLE	5.030
Chromium	09/22/99	193	NLE	0.126
Cobalt	09/22/99	3.38	NLE	0.126
Copper	09/22/99	17.2	600	0.755
Iron	09/22/99	48600	NLE	2.515
Lead	09/22/99	26.6	400	0.503
Magnesium	09/22/99	5420	NLE	5.030
Manganese	09/22/99	583	NLE	0.126
Mercury	09/21/99	ND	14	0.034
Nickel	09/22/99	10.1	250	0.126
Potassium	09/22/99	10700	NLE	5.030
Selenium	09/22/99	ND	63	0.755
Silver	09/22/99	ND	110	0.755
Sodium	09/22/99	155	NLE	5.030
Thallium	09/22/99	ND	2	0.755
Vanadium	09/22/99	83.4	370	0.252
Zinc	09/22/99	129	1500	0.252

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 #: 4790.08
Sample Received: 09/15/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-130, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	16500	NLE	2.388
Antimony	09/22/99	ND	14	0.478
Arsenic	09/22/99	24.1	20	0.478
Barium	09/22/99	32.4	700	0.119
Beryllium	09/22/99	1.85	1	0.119
Cadmium	09/22/99	0.288	1	0.119
Calcium	09/22/99	1190	NLE	4.776
Chromium	09/22/99	221	NLE	0.119
Cobalt	09/22/99	1.03	NLE	0.119
Copper	09/22/99	21.6	600	0.716
Iron	09/22/99	46300	NLE	2.388
Lead	09/22/99	38.6	400	0.478
Magnesium	09/22/99	6440	NLE	4.776
Manganese	09/22/99	38.9	NLE	0.119
Mercury	09/21/99	ND	14	0.027
Nickel	09/22/99	5.28	250	0.119
Potassium	09/22/99	13800	NLE	4.776
Selenium	09/22/99	ND	63	0.716
Silver	09/22/99	ND	110	0.716
Sodium	09/22/99	121	NLE	4.776
Thallium	09/22/99	ND	2	0.716
Vanadium	09/22/99	102	370	0.239
Zinc	09/22/99	58.0	1500	0.239

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 #: 4790.10
Sample Received: 09/15/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-131, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	5600	NLE	2.321
Antimony	09/22/99	0.793	14	0.464
Arsenic	09/22/99	6.70	20	0.464
Barium	09/22/99	45.9	700	0.116
Beryllium	09/22/99	0.574	1	0.116
Cadmium	09/22/99	0.745	1	0.116
Calcium	09/22/99	2500	NLE	4.643
Chromium	09/22/99	40.6	NLE	0.116
Cobalt	09/22/99	4.55	NLE	0.116
Copper	09/22/99	60.6	600	0.696
Iron	09/22/99	15100	NLE	2.321
Lead	09/22/99	126	400	0.464
Magnesium	09/22/99	1440	NLE	4.643
Manganese	09/22/99	136	NLE	0.116
Mercury	09/21/99	0.094	14	0.025
Nickel	09/22/99	9.94	250	0.116
Potassium	09/22/99	1950	NLE	4.643
Selenium	09/22/99	ND	63	0.696
Silver	09/22/99	ND	110	0.696
Sodium	09/22/99	120	NLE	4.643
Thallium	09/22/99	ND	2	0.696
Vanadium	09/22/99	32.3	370	0.232
Zinc	09/22/99	149	1500	0.232

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 #: 4790.12
Sample Received: 09/15/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-132, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	17800	NLE	2.222
Antimony	09/22/99	ND	14	0.444
Arsenic	09/22/99	28.0	20	0.444
Barium	09/22/99	33.8	700	0.111
Beryllium	09/22/99	2.07	1	0.111
Cadmium	09/22/99	0.340	1	0.111
Calcium	09/22/99	1640	NLE	4.443
Chromium	09/22/99	241	NLE	0.111
Cobalt	09/22/99	1.37	NLE	0.111
Copper	09/22/99	20.5	600	0.667
Iron	09/22/99	52200	NLE	2.222
Lead	09/22/99	26.5	400	0.444
Magnesium	09/22/99	7370	NLE	4.443
Manganese	09/22/99	67.4	NLE	0.111
Mercury	09/21/99	ND	14	0.024
Nickel	09/22/99	6.64	250	0.111
Potassium	09/22/99	16000	NLE	4.443
Selenium	09/22/99	0.918	63	0.667
Silver	09/22/99	ND	110	0.667
Sodium	09/22/99	123	NLE	4.443
Thallium	09/22/99	ND	2	0.667
Vanadium	09/22/99	106	370	0.222
Zinc	09/22/99	78.6	1500	0.222

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 #: 4790.14
Sample Received: 09/15/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-133, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	17400	NLE	2.314
Antimony	09/22/99	ND	14	0.463
Arsenic	09/22/99	26.9	20	0.463
Barium	09/22/99	92.3	700	0.116
Beryllium	09/22/99	2.01	1	0.116
Cadmium	09/22/99	0.837	1	0.116
Calcium	09/22/99	1880	NLE	4.629
Chromium	09/22/99	222	NLE	0.116
Cobalt	09/22/99	1.66	NLE	0.116
Copper	09/22/99	49.5	600	0.694
Iron	09/22/99	47600	NLE	2.314
Lead	09/22/99	77.2	400	0.463
Magnesium	09/22/99	6790	NLE	4.629
Manganese	09/22/99	149	NLE	0.116
Mercury	09/21/99	0.156	14	0.025
Nickel	09/22/99	7.49	250	0.116
Potassium	09/22/99	15000	NLE	4.629
Selenium	09/22/99	ND	63	0.694
Silver	09/22/99	ND	110	0.694
Sodium	09/22/99	153	NLE	4.629
Thallium	09/22/99	ND	2	0.694
Vanadium	09/22/99	106	370	0.231
Zinc	09/22/99	250	1500	0.231

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 #: 4790.16
Sample Received: 09/15/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-134, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	15300	NLE	2.371
Antimony	09/22/99	ND	14	0.474
Arsenic	09/22/99	20.6	20	0.474
Barium	09/22/99	40.2	700	0.119
Beryllium	09/22/99	1.59	1	0.119
Cadmium	09/22/99	0.626	1	0.119
Calcium	09/22/99	1760	NLE	4.741
Chromium	09/22/99	177	NLE	0.119
Cobalt	09/22/99	2.13	NLE	0.119
Copper	09/22/99	45.6	600	0.711
Iron	09/22/99	41400	NLE	2.371
Lead	09/22/99	93.2	400	0.474
Magnesium	09/22/99	5810	NLE	4.741
Manganese	09/22/99	97.6	NLE	0.119
Mercury	09/21/99	0.031	14	0.022
Nickel	09/22/99	8.27	250	0.119
Potassium	09/22/99	11500	NLE	4.741
Selenium	09/22/99	ND	63	0.711
Silver	09/22/99	ND	110	0.711
Sodium	09/22/99	138	NLE	4.741
Thallium	09/22/99	ND	2	0.711
Vanadium	09/22/99	84.4	370	0.237
Zinc	09/22/99	125	1500	0.237

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 #: 4790.18
Sample Received: 09/15/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-135, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	13100	NLE	2.438
Antimony	09/22/99	ND	14	0.488
Arsenic	09/22/99	21.1	20	0.488
Barium	09/22/99	31.4	700	0.122
Beryllium	09/22/99	1.05	1	0.122
Cadmium	09/22/99	0.558	1	0.122
Calcium	09/22/99	1250	NLE	4.876
Chromium	09/22/99	134	NLE	0.122
Cobalt	09/22/99	2.87	NLE	0.122
Copper	09/22/99	97.6	600	0.731
Iron	09/22/99	33700	NLE	2.438
Lead	09/22/99	442	400	0.488
Magnesium	09/22/99	3410	NLE	4.876
Manganese	09/22/99	175	NLE	0.122
Mercury	09/21/99	ND	14	0.024
Nickel	09/22/99	10.4	250	0.122
Potassium	09/22/99	6710	NLE	4.876
Selenium	09/22/99	1.23	63	0.731
Silver	09/22/99	ND	110	0.731
Sodium	09/22/99	88.7	NLE	4.876
Thallium	09/22/99	ND	2	0.731
Vanadium	09/22/99	65.1	370	0.244
Zinc	09/22/99	283	1500	0.244

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 #: 4790.20
Sample Received: 09/15/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-136, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	13600	NLE	2.243
Antimony	09/22/99	ND	14	0.449
Arsenic	09/22/99	17.0	20	0.449
Barium	09/22/99	35.6	700	0.112
Beryllium	09/22/99	1.47	1	0.112
Cadmium	09/22/99	0.460	1	0.112
Calcium	09/22/99	1260	NLE	4.486
Chromium	09/22/99	151	NLE	0.112
Cobalt	09/22/99	2.86	NLE	0.112
Copper	09/22/99	316	600	0.673
Iron	09/22/99	36900	NLE	2.243
Lead	09/22/99	59.8	400	0.449
Magnesium	09/22/99	4550	NLE	4.486
Manganese	09/22/99	54.8	NLE	0.112
Mercury	09/21/99	0.047	14	0.025
Nickel	09/22/99	8.54	250	0.112
Potassium	09/22/99	9740	NLE	4.486
Selenium	09/22/99	ND	63	0.673
Silver	09/22/99	ND	110	0.673
Sodium	09/22/99	181	NLE	4.486
Thallium	09/22/99	ND	2	0.673
Vanadium	09/22/99	78.0	370	0.224
Zinc	09/22/99	74.5	1500	0.224

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 #: 4790.22
Sample Received: 09/15/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-137, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	18100	NLE	2.402
Antimony	09/22/99	ND	14	0.480
Arsenic	09/22/99	22.2	20	0.480
Barium	09/22/99	34.6	700	0.120
Beryllium	09/22/99	2.19	1	0.120
Cadmium	09/22/99	0.453	1	0.120
Calcium	09/22/99	1420	NLE	4.805
Chromium	09/22/99	204	NLE	0.120
Cobalt	09/22/99	1.60	NLE	0.120
Copper	09/22/99	21.4	600	0.721
Iron	09/22/99	52500	NLE	2.402
Lead	09/22/99	48.4	400	0.480
Magnesium	09/22/99	7510	NLE	4.805
Manganese	09/22/99	50.0	NLE	0.120
Mercury	09/21/99	0.083	14	0.025
Nickel	09/22/99	6.92	250	0.120
Potassium	09/22/99	17500	NLE	4.805
Selenium	09/22/99	ND	63	0.721
Silver	09/22/99	ND	110	0.721
Sodium	09/22/99	134	NLE	4.805
Thallium	09/22/99	ND	2	0.721
Vanadium	09/22/99	110	370	0.240
Zinc	09/22/99	79.6	1500	0.240

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 #: 4790.24
Sample Received: 09/15/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-138, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	12300	NLE	1.841
Antimony	09/22/99	ND	14	0.368
Arsenic	09/22/99	15.4	20	0.368
Barium	09/22/99	38.0	700	0.092
Beryllium	09/22/99	1.26	1	0.092
Cadmium	09/22/99	0.627	1	0.092
Calcium	09/22/99	2120	NLE	3.682
Chromium	09/22/99	122	NLE	0.092
Cobalt	09/22/99	3.43	NLE	0.092
Copper	09/22/99	27.2	600	0.552
Iron	09/22/99	35000	NLE	1.841
Lead	09/22/99	46.0	400	0.368
Magnesium	09/22/99	4410	NLE	3.682
Manganese	09/22/99	79.4	NLE	0.092
Mercury	09/21/99	0.060	14	0.026
Nickel	09/22/99	9.93	250	0.092
Potassium	09/22/99	8520	NLE	3.682
Selenium	09/22/99	ND	63	0.552
Silver	09/22/99	ND	110	0.552
Sodium	09/22/99	166	NLE	3.682
Thallium	09/22/99	ND	2	0.552
Vanadium	09/22/99	74.1	370	0.184
Zinc	09/22/99	94.8	1500	0.184

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 #: 4790.26
Sample Received: 09/15/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-139, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	12400	NLE	2.445
Antimony	09/22/99	1.68	14	0.489
Arsenic	09/22/99	38.6	20	0.489
Barium	09/22/99	133	700	0.122
Beryllium	09/22/99	1.09	1	0.122
Cadmium	09/22/99	25.2	1	0.122
Calcium	09/22/99	1530	NLE	4.890
Chromium	09/22/99	215	NLE	0.122
Cobalt	09/22/99	4.20	NLE	0.122
Copper	09/22/99	243	600	0.734
Iron	09/22/99	132000	NLE	2.445
Lead	09/22/99	1090	400	0.489
Magnesium	09/22/99	4110	NLE	4.890
Manganese	09/22/99	332	NLE	0.122
Mercury	09/21/99	0.078	14	0.026
Nickel	09/22/99	13.1	250	0.122
Potassium	09/22/99	8990	NLE	4.890
Selenium	09/22/99	1.27	63	0.734
Silver	09/22/99	1.33	110	0.734
Sodium	09/22/99	348	NLE	4.890
Thallium	09/22/99	ND	2	0.734
Vanadium	09/22/99	90.6	370	0.245
Zinc	09/22/99	6530	1500	0.245

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 #: 4793.02
Sample Received: 09/20/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-140, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	12300	NLE	2.369
Antimony	09/22/99	ND	14	0.474
Arsenic	09/22/99	17.7	20	0.474
Barium	09/22/99	29.0	700	0.118
Beryllium	09/22/99	1.47	1	0.118
Cadmium	09/22/99	0.379	1	0.118
Calcium	09/22/99	998	NLE	4.737
Chromium	09/22/99	162	NLE	0.118
Cobalt	09/22/99	1.60	NLE	0.118
Copper	09/22/99	23.0	600	0.711
Iron	09/22/99	36200	NLE	2.369
Lead	09/22/99	28.6	400	0.474
Magnesium	09/22/99	4960	NLE	4.737
Manganese	09/22/99	35.6	NLE	0.118
Mercury	09/21/99	0.061	14	0.026
Nickel	09/22/99	6.22	250	0.118
Potassium	09/22/99	10700	NLE	4.737
Selenium	09/22/99	ND	63	0.711
Silver	09/22/99	ND	110	0.711
Sodium	09/22/99	264	NLE	4.737
Thallium	09/22/99	ND	2	0.711
Vanadium	09/22/99	76.0	370	0.237
Zinc	09/22/99	50.6	1500	0.237

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 #: 4793.04
Sample Received: 09/20/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-141, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	14100	NLE	2.246
Antimony	09/22/99	ND	14	0.449
Arsenic	09/22/99	22.3	20	0.449
Barium	09/22/99	24.8	700	0.112
Beryllium	09/22/99	1.96	1	0.112
Cadmium	09/22/99	0.540	1	0.112
Calcium	09/22/99	1830	NLE	4.492
Chromium	09/22/99	207	NLE	0.112
Cobalt	09/22/99	1.29	NLE	0.112
Copper	09/22/99	10.2	600	0.674
Iron	09/22/99	48500	NLE	2.246
Lead	09/22/99	30.0	400	0.449
Magnesium	09/22/99	6480	NLE	4.492
Manganese	09/22/99	43.7	NLE	0.112
Mercury	09/21/99	ND	14	0.024
Nickel	09/22/99	6.64	250	0.112
Potassium	09/22/99	14700	NLE	4.492
Selenium	09/22/99	ND	63	0.674
Silver	09/22/99	ND	110	0.674
Sodium	09/22/99	122	NLE	4.492
Thallium	09/22/99	ND	2	0.674
Vanadium	09/22/99	80.0	370	0.225
Zinc	09/22/99	80.3	1500	0.225

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 #: 4793.06
Sample Received: 09/20/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-142, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	13900	NLE	2.646
Antimony	09/22/99	ND	14	0.529
Arsenic	09/22/99	20.3	20	0.529
Barium	09/22/99	32.5	700	0.132
Beryllium	09/22/99	1.85	1	0.132
Cadmium	09/22/99	0.555	1	0.132
Calcium	09/22/99	1260	NLE	5.293
Chromium	09/22/99	193	NLE	0.132
Cobalt	09/22/99	1.31	NLE	0.132
Copper	09/22/99	28.0	600	0.794
Iron	09/22/99	42900	NLE	2.646
Lead	09/22/99	17.9	400	0.529
Magnesium	09/22/99	5480	NLE	5.293
Manganese	09/22/99	47.3	NLE	0.132
Mercury	09/21/99	ND	14	0.027
Nickel	09/22/99	5.77	250	0.132
Potassium	09/22/99	12500	NLE	5.293
Selenium	09/22/99	ND	63	0.794
Silver	09/22/99	ND	110	0.794
Sodium	09/22/99	103	NLE	5.293
Thallium	09/22/99	ND	2	0.794
Vanadium	09/22/99	82.7	370	0.265
Zinc	09/22/99	98.3	1500	0.265

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 #: 4793.08
Sample Received: 09/20/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-143, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	13600	NLE	2.058
Antimony	09/22/99	ND	14	0.412
Arsenic	09/22/99	20.0	20	0.412
Barium	09/22/99	11.3	700	0.103
Beryllium	09/22/99	1.11	1	0.103
Cadmium	09/22/99	0.233	1	0.103
Calcium	09/22/99	651	NLE	4.116
Chromium	09/22/99	148	NLE	0.103
Cobalt	09/22/99	0.770	NLE	0.103
Copper	09/22/99	12.4	600	0.617
Iron	09/22/99	29900	NLE	2.058
Lead	09/22/99	5.72	400	0.412
Magnesium	09/22/99	3660	NLE	4.116
Manganese	09/22/99	31.2	NLE	0.103
Mercury	09/21/99	ND	14	0.023
Nickel	09/22/99	3.74	250	0.103
Potassium	09/22/99	7330	NLE	4.116
Selenium	09/22/99	ND	63	0.617
Silver	09/22/99	ND	110	0.617
Sodium	09/22/99	130	NLE	4.116
Thallium	09/22/99	ND	2	0.617
Vanadium	09/22/99	73.0	370	0.206
Zinc	09/22/99	42.2	1500	0.206

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 #: 4793.10
Sample Received: 09/20/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-144, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	13200	NLE	2.146
Antimony	09/22/99	ND	14	0.429
Arsenic	09/22/99	16.2	20	0.429
Barium	09/22/99	21.8	700	0.107
Beryllium	09/22/99	1.19	1	0.107
Cadmium	09/22/99	0.282	1	0.107
Calcium	09/22/99	1570	NLE	4.293
Chromium	09/22/99	134	NLE	0.107
Cobalt	09/22/99	1.20	NLE	0.107
Copper	09/22/99	13.6	600	0.644
Iron	09/22/99	29400	NLE	2.146
Lead	09/22/99	17.1	400	0.429
Magnesium	09/22/99	3830	NLE	4.293
Manganese	09/22/99	52.3	NLE	0.107
Mercury	09/21/99	ND	14	0.024
Nickel	09/22/99	4.62	250	0.107
Potassium	09/22/99	7650	NLE	4.293
Selenium	09/22/99	ND	63	0.644
Silver	09/22/99	ND	110	0.644
Sodium	09/22/99	67.4	NLE	4.293
Thallium	09/22/99	ND	2	0.644
Vanadium	09/22/99	63.9	370	0.215
Zinc	09/22/99	59.5	1500	0.215

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 #: 4793.12
Sample Received: 09/20/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-145, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	16600	NLE	2.436
Antimony	09/22/99	ND	14	0.487
Arsenic	09/22/99	24.0	20	0.487
Barium	09/22/99	9.04	700	0.122
Beryllium	09/22/99	2.44	1	0.122
Cadmium	09/22/99	0.514	1	0.122
Calcium	09/22/99	515	NLE	4.872
Chromium	09/22/99	269	NLE	0.122
Cobalt	09/22/99	0.664	NLE	0.122
Copper	09/22/99	6.31	600	0.731
Iron	09/22/99	55000	NLE	2.436
Lead	09/22/99	9.35	400	0.487
Magnesium	09/22/99	7780	NLE	4.872
Manganese	09/22/99	19.3	NLE	0.122
Mercury	09/21/99	ND	14	0.024
Nickel	09/22/99	5.70	250	0.122
Potassium	09/22/99	18800	NLE	4.872
Selenium	09/22/99	ND	63	0.731
Silver	09/22/99	ND	110	0.731
Sodium	09/22/99	102	NLE	4.872
Thallium	09/22/99	ND	2	0.731
Vanadium	09/22/99	111	370	0.244
Zinc	09/22/99	57.5	1500	0.244

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 #: 4793.14
Sample Received: 09/20/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-146, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	15600	NLE	2.073
Antimony	09/22/99	ND	14	0.415
Arsenic	09/22/99	22.5	20	0.415
Barium	09/22/99	31.6	700	0.104
Beryllium	09/22/99	1.88	1	0.104
Cadmium	09/22/99	0.526	1	0.104
Calcium	09/22/99	1160	NLE	4.145
Chromium	09/22/99	214	NLE	0.104
Cobalt	09/22/99	1.43	NLE	0.104
Copper	09/22/99	17.5	600	0.622
Iron	09/22/99	46600	NLE	2.073
Lead	09/22/99	25.1	400	0.415
Magnesium	09/22/99	6440	NLE	4.145
Manganese	09/22/99	49.1	NLE	0.104
Mercury	09/21/99	0.061	14	0.020
Nickel	09/22/99	6.05	250	0.104
Potassium	09/22/99	14700	NLE	4.145
Selenium	09/22/99	ND	63	0.622
Silver	09/22/99	ND	110	0.622
Sodium	09/22/99	87.8	NLE	4.145
Thallium	09/22/99	ND	2	0.622
Vanadium	09/22/99	94.7	370	0.207
Zinc	09/22/99	67.4	1500	0.207

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 #: 4793.16
Sample Received: 09/20/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-147, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	14800	NLE	1.813
Antimony	09/22/99	ND	14	0.363
Arsenic	09/22/99	15.5	20	0.363
Barium	09/22/99	30.2	700	0.091
Beryllium	09/22/99	1.52	1	0.091
Cadmium	09/22/99	0.562	1	0.091
Calcium	09/22/99	1540	NLE	3.627
Chromium	09/22/99	144	NLE	0.091
Cobalt	09/22/99	2.42	NLE	0.091
Copper	09/22/99	4.50	600	0.544
Iron	09/22/99	48200	NLE	1.813
Lead	09/22/99	9.06	400	0.363
Magnesium	09/22/99	4500	NLE	3.627
Manganese	09/22/99	32.1	NLE	0.091
Mercury	09/21/99	ND	14	0.024
Nickel	09/22/99	8.02	250	0.091
Potassium	09/22/99	10800	NLE	3.627
Selenium	09/22/99	ND	63	0.544
Silver	09/22/99	ND	110	0.544
Sodium	09/22/99	120	NLE	3.627
Thallium	09/22/99	ND	2	0.544
Vanadium	09/22/99	81.4	370	0.181
Zinc	09/22/99	54.1	1500	0.181

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 #: 4793.18
Sample Received: 09/20/99
Sample Matrix: Soil

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: M-12-148, 0-6"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date of Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	09/22/99	8510	NLE	2.212
Antimony	09/22/99	ND	14	0.442
Arsenic	09/22/99	7.97	20	0.442
Barium	09/22/99	17.6	700	0.111
Beryllium	09/22/99	0.810	1	0.111
Cadmium	09/22/99	0.340	1	0.111
Calcium	09/22/99	2050	NLE	4.423
Chromium	09/22/99	69.6	NLE	0.111
Cobalt	09/22/99	2.20	NLE	0.111
Copper	09/22/99	7.79	600	0.663
Iron	09/22/99	27300	NLE	2.212
Lead	09/22/99	7.95	400	0.442
Magnesium	09/22/99	2250	NLE	4.423
Manganese	09/22/99	42.2	NLE	0.111
Mercury	09/21/99	ND	14	0.021
Nickel	09/22/99	6.32	250	0.111
Potassium	09/22/99	4940	NLE	4.423
Selenium	09/22/99	ND	63	0.663
Silver	09/22/99	ND	110	0.663
Sodium	09/22/99	59.9	NLE	4.423
Thallium	09/22/99	ND	2	0.663
Vanadium	09/22/99	41.6	370	0.221
Zinc	09/22/99	36.0	1500	0.221

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

APPENDIX E

Soil Boring Logs

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B1

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-19-98
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	OVA
0			TURF		
6	3420.01	1	SAND, fine/ medium - dark brown some clay	1033	0.04-PPM
12					
18	3420.02	2	SAND, medium/coarse - lt.tan with gravel	1033	1.0-PPM
24			CINDERS		
30			Alt. Sand Dark Green tan with clay layers and some organic natural material		
36					
42					

10-07-1999 X:\M&TECH5\M12\M12-B01.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B2

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-19-98	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	OVA
0			TURF		
6	3420.03	1	Fine Sand Cinders and Tan/Brown	1110	0.06-PPM
12			CLAYEY SAND, Fine- brown/Tan Cinders		
18	3420.04	2		1110	0.06-PPM
24					
30			Black Clay & Cinders		
36			CLAY black With Glass Fragments		
42					
48					

10-07-1999 X:\MTECH5\M12\M12-B02.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B3

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-19-98	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	OVA
0			TURF		
6	3420.05	1	SAND, medium/fine - Orange/ Tan/ Dark Brown With Cinders and Gravel	1130	1.0-PPM
12			SAND, fine - with Cinders		
18	3420.06	2		1130	8.0-PPM
24			SAND, fine - With Dark Green Fine Sands		
30					
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B03.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B4

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-19-98
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	OVA
0			TURF		
6	3420.07	1	SAND, medium - tan/brown	1156	3.0-PPM
12		2	CLAY brown with fine sands		
18	3420.08		CLAY black with organic materials	1156	1.0-PPM
			CLAY black with very fine green/gray sand		
24			Cinder Material		
			CLAY black with gray fine sand		
30			CLAY black with Cinders		
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B04.BOR

000046

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B5

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-19-98
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	OVA
0			TURF		
6	3420.09	1	SAND, fine - tan/ orange/ yellow with cinder fragments	1300	1.8-PPM
12			SAND, fine - With Cinders and Coal Fragments		
18	3420.10	2		1300	1.0-PPM
24			CLAY black with organic material and fine sand		
30			CLAY black with organic material and fine sand		
36					
42			CLAY with medium sand		
48					

10-27-1999 X:\MTECH5\M12\M12-B05.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B6

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-19-98
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	OVA
0			TURF		
			CLAYEY SILT, dark brown with organic materials		
6	3420.11	1		1325	0.08-PPM
12					
18	3420.12	2		1325	0.40-PPM
			SAND, fine - brown yellow orange		
24					
			SAND, fine - green/ orange with Clay		
30					
36			SAND, fine - Black/ green with Clay		
42			WOOD Board Material		
48					

10-07-1999 X:\MTECH5\M12\M12-B06.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B7

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-19-98	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	OVA
0			TURF		
6	3420.13	1	LOAMY Silt with fine sand brown and organic material	1355	2.0-PPM
12					
18	3420.14	2		1355	1.0-PPM
24			CLAYEY SILT, fine - brown and fine sand		
30			SILTY SAND, fine - black/brown with fine sand green		
			WOOD Debris		
36			Mixed Sands with Fill Material: Cinders, Plastic and Glass		
42					
48			SAND, fine - green, oily, oil odors 70 ppm OVA		
54					

X:\MTECH5\M12\M12-B07.BOR
10-08-1999

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B8

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-19-98	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	OVA
0			TURF		
6	3420.15	1	SAND, medium/fine	1445	0.0-PPM
12					
18	3420.16	2		1445	0.0-PPM
24			SAND, fine/ medium brown/orange with black angular fragments		
30			CLAYEY SAND, fine - with black wafer material		
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B08.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B9

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-19-98
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	OVA
0			TURF		
6	3420.17	1	SAND, medium/fine - brown	1517	0.0-PPM
12			SAND, medium/fine - fragments		
18	3420.18	2		1517	0.0-PPM
24			SAND, fine		
30			CLAYEY SILT, black with some fine sand		
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B09.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B10

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-20-98	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	OVA
0			TURF		
6	3424.02	1	SAND, fine - brown/tan	1058	0.0-PPM
12					
18	3424.03	2	CLAYEY SILT, black with Cinders	1058	0.0-PPM
24					
30					
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B10.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B11

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-20-98
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	OVA
0			TURF		
6			SAND, fine/ medium brown orange/yellow with some gravel		
	3424.04	1		1135	0.0-PPM
12					
18	3424.05	2		1135	0.0-PPM
24					
30					
			Cinder Material		
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B11.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B12

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-20-98
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	OVA
0			TURF		
6			SAND, fine - brown		
	3424.06	1		1150	0.08-PPM
12					
18	3424.07	2		1150	0.06-PPM
24					
			SANDY CLAY, brown/green		
30			CLAYEY SILT, green		
			CINDERS		
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B12.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B13

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-20-98
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	OVA
0			TURF		
6	3424.08	1	SAND, brown orange/green	1213	0.0-PPM
12					
18	3424.09	2	CINDERS and Sand	1213	0.0-PPM
24			SILTY CLAY, fine - sand with organic material		
30					
36					
42					

10-27-1999 X:\WTECH5\W12\M12-B13.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B14

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-20-98
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	OVA
0			TURF		
			SAND, orange-brown		
6	3424.10	1		1256	0.0-PPM
12					
18	3424.11	2		1256	0.0-PPM
24			SAND, brown		
			SAND, green-yellow with some clay		
30			SANDY SILT, green orange		
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B14.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B16

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-20-98	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	OVA
0			TURF		
			Sands Cinders		
6	3424.14	1		1423	0.0-PPM
12					
18	3424.15	2		1423	0.0-PPM
24					
30					
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B16.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B17

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-20-98	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	OVA
0			TURF		
6	3424.16	1	Sands Cinders	1443	0.0-PPM
12					
18	3424.17	2		1443	0.0-PPM
24					
30			Clay with organic material		
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B17.BOR

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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B18

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-20-98	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	OVA
0			TURF		
			Sands Cinders		
6	3424.18	1		1500	0.0-PPM
12					
18	3424.19	2		1500	0.0-PPM
24					
30			Clay with organic material		
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B18.BOR

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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B19

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-20-98
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	OVA
0			TURF		
			Sands Cinders		
6	3424.20	1		1520	0.0-PPM
12					
18	3424.21	2		1520	0.0-PPM
24					
30			Clay with organic material		
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B19.BOR

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SELFM-PW-EV

LOG OF BORING M12-B20

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-23-98	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	OVA
0			TURF		
6	3425.02	1	SAND, fine - brown/tan	0937	0.0-PPM
12					
18	3425.03	2		0937	0.0-PPM
24			Cinders SAND, fine - black		
30					
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B20.BOR

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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B21

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-23-98
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	OVA
0			TURF		
			SAND, green, brown, orange with fill material		
6	3425.04	1		1005	0.0-PPM
			CLAYEY SAND, black/brown with small angular gravel		
12		2			
18	3425.05		CLAYEY SILT, orange	1005	0.0-PPM
			SAND, fine - black/green		
24					
30					
36					
42					

10-08-1999 X:\MTECH5\M12\M12-B21.BOR

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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B22

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-23-98	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	OVA
0			TURF		
			SAND, fine - black with some fill material		
6	3425.06	1		1025	0.0-PPM
12			SAND, fine - green		
			SAND, fine - tan/orange		
18	3425.07	2	CLAYEY SILT, fine - olive green	1025	0.0-PPM
24			SAND, fine/ medium black ang. gravels		
30					
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B22.BOR

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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B23

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-23-98
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	OVA
0			TURF		
			SAND, fine - orange		
6	3425.08	1		1111	0.0-PPM
12					
18	3425.09	2		1111	0.8-PPM
24			CLAYEY SILT, fine - orange/green		
30			CLAY with some SAND, fine		
36			SAND, fine - orange		
			SAND, fine - green		
42					
48			SAND, fine - orange		
54					

10-27-1999 X:\MTECH5\M12\M12-B23.BOR

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LOG OF BORING M12-B24

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-23-98	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	OVA
0			TURF		
			SAND, medium - brown		
6	3425.10	1		1130	0.00-PPM
12					
18	3425.11	2		1130	0.04-PPM
			SAND, medium/fine - gray		
24					
30					
36					

10-07-1999 X:\MTECH5\M12\M12-B24.BOR

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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B25

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-23-98	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	OVA
0			SAND, medium/fine - olive tan		
6	3425.12	1		1150	0.08-PPM
12					
18	3425.13	2		1150	0.06-PPM
24					
30					
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B25.BOR

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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B26

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-23-98	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	OVA
0			Turf		
			SAND, medium - black/brown		
6	3425.14	1		1155	0.04-PPM
			SAND, medium - orange/yellow		
12		2			
18	3425.15		CLAYEY SAND, fine - orange/green	1155	0.04-PPM
24			SANDY CLAY, orange/green		
30			SAND, medium - green		
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B26.BOR

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SELFM-PW-EV

LOG OF BORING M12-B27

US ARMY
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SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-23-98	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	OVA
0			Turf		
			SAND, fine - green/orange		
6	3425.16	1		1410	0.00-PPM
12					
18	3425.17	2		1410	0.04-PPM
24			SAND, fine - green/orange with some CINDERS		
30			CINDERS		
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B27.BOR

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LOG OF BORING M12-B28

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-23-98	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	OVA
0			Turf		
			SANDY CLAY, olive orange		
6	3425.18	1		1430	0.08-PPM
12					
18	3425.19	2		1430	0.06-PPM
			WOOD DEBRIS		
			SAND, fine - with some CINDERS		
24					
			ASPHALT Material		
30					
			CLAYEY SAND, fine - looam black		
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B28.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B29

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-23-98	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	OVA
0			Turf		
6	3425.20	1	SANDY CLAY, well sorted green/orange	1502	0.00-PPM
12					
18	3425.21	2		1502	0.00-PPM
24			CLAYEY SAND, fine - green/orange with some CINDERS		
			CINDERS		
30			SAND, fine - orange		
			CLAYEY SILT, black		
36					
42					
			fill material wood , brick and glass		
48					
54					

10-07-1999 X:\WTECH5\M12\M12-B29.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B30

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-23-98	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	OVA
0			Turf		
			SAND, medium/fine - with some fill material throughout		
6	3425.22	1		1527	0.00-PPM
12					
18	3425.23	2		1527	0.06-PPM
24			SANDY CLAY, fine - brown/green		
			CLAYEY SAND, medium - black		
30					
36					

10-07-1999 X:\MTECH5\M12\M12-B30.BOR

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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B31

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-24-98	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	OVA
0			Turf		
			SANDY SILT, fine - brown with fill material brick & coal		
6					
	3428.02	1		0900	0.00-PPM
12			SANDY SILT, fine - olive green		
18	3428.03	2		0900	0.06-PPM
			SAND, fine - fill material brick, coal, asphalt, cinder		
24					
			SAND, medium - olive green, tan, orange		
30					
36					

10-07-1999 X:\MTECH5\M12\M12-B31.BOR

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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B32

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-24-98	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	OVA
0			Turf		
			SANDY CLAY, brown		
6					
	3428.04	1		0925	0.00-PPM
			SANDY CLAY, brown with asphalt fill		
12					
			CLAYEY SAND, fine - olive green		
18	3428.05	2		0925	0.00-PPM
			CINDERS and SAND, fine - black		
24					
30					
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B32.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B33

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-24-98	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	OVA
0			Turf		
			CLAYEY SAND, medium - with brick & gravel fill		
6	3428.06	1		1000	0.00-PPM
12			CLAYEY SAND, & SILT with some gravels		
18	3428.07	2		1000	0.00-PPM
24			CLAYEY SAND, medium - orange tan w/ 50% gravels		
			CINDERS		
30					
36					

10-08-1999 X:\MTECH5\M12\M12-B33.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B34

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-24-98	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	OVA
0			Turf		
			SAND, medium/fine - dark brown		
6	3428.08	1		1025	0.00-PPM
12			ASPHALT material mixed with sand M/F		
18	3428.09	2	CLAYEY SAND, fine - Silt olive green/orange/yellow	1025	0.00-PPM
24					
30					
36			CINDERS		
42					
48					

10-07-1999 X:\MTECH5\M12\M12-B34.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B35

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-24-98	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	OVA
0			Turf		
			SAND, medium/fine - dark brown with scant fragments of brick and coal bits <2%		
6	3428.10	1		1109	0.00-PPM
12					
18	3428.11	2	SAND, orange/yellow-olive green-fine with <1% fragments of coal	1109	0.00-PPM
24					
			SAND, medium/fine - & some tracing of glass fragments		
30					
36					
42					
48					
54					

10-07-1999 X:\MTECH5\M12\M12-B35.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B36

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-24-98	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	OVA
0			Turf		
			SAND, medium/fine - brown/orange		
6			SAND, medium - brown/olive green		
	3428.12	1		1150	0.00-PPM
12					
18	3428.13	2		1150	0.04-PPM
24					
30			SAND, medium/coarse - olive green		
36					

10-07-1999 X:\MTECH5\M12\M12-B36.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B37

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-24-98	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	OVA
0			Turf		
			CINDERS & mixed Sands		
6	3428.14	1		1300	0.08-PPM
12					
			SAND, fine		
18	3428.15	2		1300	0.00-PPM
24			SAND, medium/fine - tan/olive green		
30					
36					
42					
48					

10-07-1999 X:\MTECH5\M12\M12-B37.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B38

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-24-98	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	OVA
0			Turf		
			SAND, medium/fine - with some CINDERS		
6			CINDERS with SAND, medium/fine - brown/black		
	3428.16	1		1319	0.00-PPM
12					
18	3428.17	2	SAND, medium/fine - light brown	1319	0.00-PPM
24					
			SAND, fine - light brown		
30			SAND, medium - orange		
36					
42					

10-07-1999 X:\MTECH5\M12\M12-B38.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B39

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-24-98	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	OVA
0			Turf		
			SAND, medium - dark brown		
6			CINDERS black		
			SAND, fine - with brick colored material		
	3428.18	1	SAND, medium/coarse - tan with small gravels<5%	1345	0.00-PPM
12					
			SAND, medium/fine - gray/brown		
18	3428.19	2		1345	0.00-PPM
			SAND, fine - black Stained		
24					
			SAND, medium/fine - light brown		
30					
36					

10-07-1999 X:\MTECH5\M12\M12-B39.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B40

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-24-98
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	OVA
0			Turf		
6	3428.20	1	SAND, fine - with some CINDERS	1420	0.00-PPM
12					
		2	SAND, fine/ medium with coal & wood debris		
18	3428.21			1420	0.00-PPM
24					
			CINDERS & Sands		
30					
36					
			Wood Material (Pilings?)		
42					
			SAND, very fine - orange/olive green		
48					
54					

10-07-1999 X:\MTECH5\M12\M12-B40.BOR

000082

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B41

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-24-98
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	OVA
0			Turf		
6	3428.22	1	SAND, fine/ medium dark brown	1459	0.00-PPM
12			SAND, medium/fine - orange/brown with trace green		
18	3428.23	2		1459	0.00-PPM
24					
30			SAND, medium/fine - orange/olive green with trace green		
36			CINDERS		
42					
48					

10-07-1999 X:\MTECH5\M12\M12-B41.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B42

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-25-98	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	OVA
0			Turf		
6	3432.02	1	SAND, medium/fine - gray/brown with small coal fragments	0913	0.00-PPM
12					
18	3432.03	2		0913	0.00-PPM
24			SAND, medium/fine - dark brown with large coal fragments		
30			CINDERS		
36			CLAY with organic material		
42					

10-07-1999 X:\MTECH5\M12\M12-B42.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B43

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-25-98	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	OVA
0			Turf		
6			SAND, fine - with very small brick fragments dark brown		
	3432.04	1	SAND, fine - orange/olive green with cinder fragments	0942	0.00-PPM
12			Coal and Cinder Fragments		
18	3432.05	2	SAND, fine - orange/olive green	0942	0.00-PPM
24			SAND, fine - dark brown/olive green with iron staining		
30					
36					

10-07-1999 X:\MTECH5\M12\M12-B43.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B44

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-25-98	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	OVA
0			Turf		
			SAND, medium/fine - dark brown		
6					
	3432.06	1	SANDY SILT, fine - olive green/orange	1013	0.04-PPM
12					
18	3432.07	2		1013	0.02-PPM
24			SANDY SILT, fine/ medium - orange/olive green		
			SAND, CINDERS fine - black		
30					
36			SAND, fine - dark olive green		
42					
48					
54					

10-27-1999 X:\MTECH5\M12\M12-B44.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B45

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-25-98	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	OVA
0			Turf		
			SAND, medium/fine - dark brown		
6	3432.08	1		1125	0.00-PPM
12			CINDERS with mixed sands		
18	3432.09	2		1125	0.08-PPM
			SAND, medium/fine - orange/yellow		
24					
30			SAND, medium/fine - tan/orange		
36			SAND, medium/coarse - tan		
42					
48					
54					

10-27-1999 X:\MTECH5\M12\M12-B45.BOR

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B46

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-25-98
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	OVA
0			Turf		
6	3432.10	1	SAND, CINDERS	1147	0.02-PPM
12			SAND, medium/fine - tan		
18	3432.11	2		1147	0.00-PPM
24					
30			SAND, medium/coarse - tan		
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B46.BOR

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B47

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-25-98
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	OVA
0			Turf		
6	3432.12	1	SAND, fine - dark brown with mixed cinders	1205	0.02-PPM
12			CINDERS with mixed sands black		
18	3432.13	2	SAND, fine - orange/tan	1205	0.00-PPM
24			SAND, fine - olive green		
			Wood material		
30			CLAYEY SAND, tan/olive green		
36			WOOD		
42					

10-27-1999 X:\MTECH5\M12\M12-B47.BOR

000089

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B48

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-25-98	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	OVA
0			Turf		
6	3432.14	1	SAND, fine/ medium - dark brown	1306	0.00-PPM
12			SAND, fine - orange/yellow		
18	3432.15	2	SAND, fine - dark gray with coal fragments	1306	0.00-PPM
24			SAND, fine - gray with orange mottling		
30			SAND, fine - gray/tan/orange		
36					

10-07-1999 X:\MTECH5\M12\M12-B48.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B49

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-25-98
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	OVA
0			Turf		
			SAND, medium/fine - dark brown		
6			SAND, fine/ medium - tan/brown/orange with brick frag.		
	3432.16	1		1330	0.00-PPM
12					
		2			
18	3432.17			1330	0.04-PPM
24					
			SAND, fine - orange with cinder and coal material		
30			SAND, fine/ medium - orange/brown with brick & cinder fragments <1%		
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B49.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B50

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-25-98
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	OVA
0			Turf		
			SAND, fine/ medium - tan/ dark brown		
6	3432.18	1		1420	0.00-PPM
12			CINDERS with mixed sands		
18	3432.19	2	CLAYEY SAND, fine - loam light gray/green	1420	0.00-PPM
24			CLAYEY SAND, fine - olive green/orange		
			SAND, fine - light gray/orange		
30			SANDY SILT, light gray/olive green		
			SILTY SAND, fine - dark brown with some mottling iron stain medium sand		
36			SAND, coarse - with small gravel and tar paper material		
42					
48					

10-07-1999 X:\MTECH5\M12\M12-B50.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B51

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 3-25-98
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	OVA			
0			Turf					
			SAND, fine - with some gravel					
6	3432.20	1		1446	0.00-PPM			
12								
18	3432.21	2		1446	0.00-PPM			
			SAND, fine - with some <1% coal fragments					
24								
30								
36								
42								

10-07-1999 X:\MTECHS\M12\M12-B51.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B52

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-26-99
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	OVA
0			Turf		
6	4748.02	1	SILTY SAND, fine - olive green / tan / orange	1055	0.00-PPM
12					
18	4748.03	2		1055	0.00-PPM
24			SAND, med. / fine - tan w/ some Chip, coal & Cement bits		
30			SAND, med. / fine - tan		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B52.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B53

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-26-99
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	OVA
0			Turf		
6	4748.04	1	SILTY SAND, fine - brown	1130	0.00-PPM
12		2	SILTY SAND, fine - olive green / brown		
18	4748.05		SAND, fine - orange / some silt	1130	62.0 PPM
24			CINDERS		
30			SAND, fine / med. - gray / black- lt. olive green		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B53.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B54

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-26-99
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	OVA
0			Turf		
			SILT -fine sand/brown		
6	4748.06	1		1155	0.00-PPM
12					
			fine sand/ cinder material		
18					
			SILT -brown / gray / some fine / med. SAND,		
24	4748.07	2		1155	400 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B54.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B55

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-26-99
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	OVA
0			Turf		
6	4748.08	1	SILTY CLAY and fine sand-brown	1305	100 PPM
12					
18					
24	4748.09	2	SANDY CLAY and fine sand dk. olive green (Possible Native Soils)	1305	25 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B55.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B56

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-26-99
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	OVA
0			Turf		
6	4748.10	1	SILTY CLAY and fine sand-brown	1330	0.0 PPM
12					
18					
			SANDY CLAY and fine sand dk. olive green		
24	4748.11	2	(Possible Native Soils)	1330	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B56.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B57

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-26-99
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	OVA
0			Turf		
6	4748.12	1	SILT - fine sand,olive green / tan / orange	1350	0.0 PPM
12					
18					
24	4748.13	2	SAND, med. / fine - tan with small chips, COAL and cement bits	1350	0.0 PPM
30			SAND, med. / fine - tan		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B57.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B58

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-26-99
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	OVA
0			Turf		
6	4748.14	1	SILT - fine sand,olive green / tan / orange	1415	0.0 PPM
12					
18					
24	4748.15	2	SAND, med. / fine - tan with small chips, COAL and cement bits	1415	0.0 PPM
30			SAND, med. / fine - tan (Asphalt Pieces @ 6")		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B58.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B59

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-26-99
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	OVA
0			Turf		
			SILT fine sand. -olive green / brown		
6	4748.16	1		1430	0.0 PPM
			Mixed SAND, coarse / fine with COAL,CINDERS and small sub-round gravel-orange / olive green / dk. gray		
12					
18					
			SILT/ fine sand-lt. olive green / yellow		
24	4748.17	2		1430	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B59.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B60

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-26-99
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	OVA
0			Turf		
6	4748.18	1	Mixed SAND and gravels	1500	0.0 PPM
12					
18			CINDERS and COAL		
24	4748.19	2		1500	0.0 PPM
30			SILTY CLAY, cinders/ coal material olive green / black (wet)		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B60.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B61

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-26-99
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	OVA
0			Turf		
6	4748.20	1	SAND, fine / med. - orange	1510	0.0 PPM
12					
18					
24	4748.21	2		1510	0.0 PPM
30			SAND, fine - orange / lt. olive green		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B61.BOR

000103

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B63

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-27-99
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	OVA
0			Turf		
6	4754.02	1	SAND, fine with some silt - brown	1000	0.0 PPM
12			SAND, fine with some silt - gray / brown		
18					
24	4754.03	2		1000	40.0 PPM
30			woody materials		
36			crushed gravels		
42					

10-22-1999 X:\MTECH5\M12\M12-B63.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B64

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-27-99
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	OVA
0			Turf		
6	4754.04	1	SILT/ fine - sand - olive green/ tan / orange	1017	0.0 PPM
12					
18					
24	4754.05	2	SILT med. / fine - tan w/ small chips, coal, and cement bits	1017	0.0 PPM
30			SAND, med. / fine - tan (Possible Native Material)		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B64.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B65

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-27-99
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	OVA
0			Turf		
6	4754.06	1	SILT/ clay loam w/ fine sand olive green / orange / yellow	1030	0.0 PPM
12					
18					
24	4754.07	2		1030	20.0 PPM
30			SAND, fine / med. - orange (Possible Native Material)		
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B65.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B66

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-27-99
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	OVA
0			Turf		
6	4754.08	1	SILT fine sand - w/ some Clay loam - olive green / yellow/ orange	1050	9.0 PPM
12					
18					
24	4754.09	2		1050	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B66.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B67

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-27-99
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	OVA
0			Turf		
6	4754.10	1	SAND, coarse / fine - lt. olive green / tan / brown w/ some CINDER material @ 8-10"	1105	0.0 PPM
12					
18					
24	4754.11	2		1105	0.0 PPM
30			CINDERS		
36			Clay and SAND, fine / med. - lt. olive green gray / dk. gray		
42					

10-27-1999 X:\MTECH5\M12\M12-B67.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B68

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-27-99
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	OVA
0			Turf		
6	4754.12	1	SAND, fine - w/ some SILT and small sub. angular & round small quartz grains-olive green / orange	1118	0.0 PPM
12					
18					
24	4754.13	2	CINDERS ,COAL and fine - SAND, black	1118	20.0 PPM
30			CLAYEY SILT, dk. gray w/ some coal and cinder material		
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B68.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B69

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-27-99
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	OVA
0			Turf		
6	4754.14	1	SAND, med. / fine - orange	1145	0.0 PPM
12					
18					
24	4754.15	2		1145	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B69.BOR

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B70

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 8-27-99	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	OVA
0	4754.16	1	SILT, fine - SAND, brown	1335	0.0 PPM
6					
			SILT, fine - SAND, olive green / orange / tan		
12					
18					
24	4754.17	2		1335	0.0 PPM
30					
			SILT, fine - SAND, brown (Possible Native Soil)		
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B70.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B71

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 8-27-99	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	OVA
0			Turf		
6	4754.18	1	SILT, fine - SAND, olive green / orange	1349	0.0 PPM
12					
18			SILT, fine - SAND, brown (Possible Native Soil)		
24					
30	4754.19	2		1349	0.0 PPM
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B71.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B72

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-27-99
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	OVA
0			Turf		
6			SILT, fine - SAND, olive green / orange		
	4754.20	1		1410	0.0 PPM
12					
18					
24	4754.21	2		1410	0.0 PPM
30			SILT, fine - SAND, brown		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B72.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B73

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 8-27-99	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	OVA
0	4754.22	1	Turf	1430	0.0 PPM
6			SILT, fine - tan / yellow w/ some cinder material		
12					
18			SAND, fine / med. - gray		
			SAND, med. / fine - tan/ olive green/ brown		
24	4754.23	2		1430	0.0 PPM
30			Clay lt. green/ gray w/ gray / black SILT		
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B73.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B74

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 8-30-99	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	OVA
0			Turf		
6	4760.02	1	SAND, fine w/ some SILT - olive green / brown	0910	0.0 PPM
12					
18			CINDERS		
24	4760.03	2		9010	0.0 PPM
			CLAYEY SILT, fine / SAND,olive green		
30			woody material		
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B74.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B75

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-30-99
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	OVA
0			Turf		
6			SILT, fine SAND,olive green / orange		
	4760.04	1		0930	0.0 PPM
12					
18					
24	4760.05	2		0930	0.0 PPM
			CINDERS		
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B75.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B76

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 8-30-99	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	OVA
0			Turf		
			SAND, fine w/ some SILT, olive green and brown		
6	4760.06	1		1019	0.0 PPM
12			Clay , SILT and fine SAND, dk. gray and black w/ some leaf material @ 28"		
18					
24	4760.07	2		1019	0.0 PPM
			SAND, med. / fine - gray		
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B76.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B77

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-30-99
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	OVA
0			Turf		
6	4760.08	1	SAND, fine / med. - w/ some SILT/ brown (Possible Native Soil)	1040	0.0 PPM
12					
18					
24	4760.09	2		1040	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B77.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B78

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-30-99
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	OVA
0			Turf		
6	4760.10	1	SILT- fine SAND,olive green / orange	1055	10.0 PPM
12					
18			SAND, fine / med. - olive green / orange		
24	4760.11	2		1055	0.0 PPM
			SAND, and organic material (leaves)		
30			SAND, med. / coarse - lt. gray w/ small round sub ang. granules		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B78.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B79

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-30-99
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	OVA
0			Turf		
6	4760.12	1	SAND, fine / med. - orange / olive green	1115	0.0 PPM
12			CINDERS		
18			CLAYEY SILT, and fine SAND, olive green / orange		
24	4760.13	2	SAND, fine / med. - gray w/ some wood and rag material	1115	20.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B79.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B80

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-30-99
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	OVA
0			Turf		
6	4760.14	1	SAND, SILT fine - olive green / orange	1130	0.0 PPM
12					
18			CINDERS		
24	4760.15	2		1130	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B80.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B81

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 8-30-99	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	OVA
0			Turf		
6	4760.16	1	SAND, fine - brown	1149	0.0 PPM
12					
18			SILT -fine - SAND, olive green		
24	4760.17	2		1149	0.0 PPM
30			CINDERS		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B81.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B82

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-30-99
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	OVA
0			Turf		
6	4760.18	1	SAND, fine / med. - brown	1305	0.0 PPM
12					
18			SILT , Clay and fine sand- black		
24	4760.19	2	Clay , olive green / dk. olive green w/ some organic material	1305	40.0 PPM
30			CINDERS		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B82.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B83

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-30-99
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	OVA
0			Turf		
6	4760.20	1	SILT , fine SAND, olive green / brown	1340	0.0 PPM
12					
18			Clay - SILT(olive green)w/ cinders -		
24	4760.21	2		1340	0.0 PPM
30			CLAYEY SAND, med. / fine - dk. olive green		
36			CLAYEY SILT, fine SAND, - olive green		
42					

10-27-1999 X:\MTECH5\M12\M12-B83.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B84

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-30-99
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	OVA
0			Turf		
6	4760.22	1	SILT , fine SAND, olive green / brown	1405	0.0 PPM
12					
18			Clay - SILT(olive green)w/ cinders -		
24	4760.23	2		1405	0.0 PPM
30			CLAYEY SAND, med. / fine - dk. olive green		
36			CLAYEY SILT, fine SAND, - olive green		
42					

10-27-1999 X:\MTECH5\M12\M12-B84.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B85

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-30-99
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	OVA
0			Turf		
6	4760.24	1	SILT, fine sand - brown	1423	0.0 PPM
12					
18			Clay , SILT , fine sand(olive green) and cinders -		
24	4760.25	2		1423	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B85.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B86

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-30-99
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	OVA
0			Turf		
6	4760.26	1	CLAYEY SILT, and fine sand/ olive green	1430	0.0 PPM
12					
18					
24	4760.27	2		1430	0.0 PPM
			cinders -		
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B86.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B87

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 8-30-99	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	OVA
0			Turf		
6	4760.28	1	SAND, fine -dk. olive green	1458	0.0 PPM
12					
18					
24	4760.29	2		1458	40.0 PPM
30			cinders		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B87.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B88

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 8-30-99	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	OVA
0			Turf		
6	4760.30	1	SILT, fine SAND, -brown	1514	0.0 PPM
12			SAND, fine / med. - olive green		
18					
24	4760.31	2		1514	0.0 PPM
30			CINDERS		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B88.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B89

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-31-99
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	OVA
0			Turf		
			SILT, fine SAND, -brown		
6	4762.02	1		0950	0.0 PPM
12			SILT, fine SAND, w/ some Clay / olive green		
			CINDERS		
18					
24	4762.03	2		0950	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B89.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B90

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 8-31-99	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	OVA
0			Turf		
6	4762.04	1	SAND, fine / med. - tan / orange w/ some small round granules	1020	20.0 PPM
12					
18					
24	4762.05	2		1020	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B90.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B91

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-31-99
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	OVA
0			Turf		
			SILT, fine SAND, - brown		
6	4762.06	1	CINDERS	1033	0.0 PPM
12					
			SAND, fine - olive green / orange		
18					
24	4762.07	2		1033	0.0 PPM
			SAND, fine / very fine - lt. gray/ dk. gray		
30					
36					
42					

10-22-1999 X:\WTECH5\M12\M12-B91.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B92

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-31-99
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	OVA
0			Turf		
6	4762.08	1	SILT, fine SAND, - olive green / orange / tan	1055	400 PPM
12					
18					
24	4762.09	2	CINDERS	1055	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B92.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B93

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-31-99
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	OVA
0			Turf		
			SAND, SILT, fine - olive green / orange / tan		
	4762.10	1		1110	20.0 PPM
6					
12					
18					
			SILT - Clay / fine SAND, olive green / orange		
24	4762.11	2		1110	20.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B93.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B94

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-31-99
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	OVA
0			Turf		
6	4762.12	1	SILT, fine SAND - olive green / orange	1125	0.0 PPM
12					
18					
24	4762.13	2	CINDERS	1125	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B94.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B95

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-31-99
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	OVA
0			Turf		
6	4762.14	1	SAND, fine / med. - w/ some SILT / brown / lt. brown	1145	0.0 PPM
12					
18			SILT, Clay, fine SAND - olive green		
24	4762.15	2		1145	0.0 PPM
30			CINDERS		
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B95.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B96

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-31-99
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	OVA
0			Turf		
6	4762.16	1	SILTY CLAY, fine / med. - SAND, brown / tan	1305	0.0 PPM
12					
18			SANDY CLAY, SILT / black / gray (orange Clay)		
24	4762.17	2		1305	100-PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B96.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B97

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-31-99
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	OVA
0			Turf		
6	4762.18	1	SAND, SILT -fine / orange / brown	1340	0.0 PPM
12					
18					
24	4762.19	2	SAND, med. / fine - orange	1340	0.0 PPM
30			SILT and SAND, med. / fine - brown		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B97.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B98

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-31-99
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	OVA
0			Turf		
			SAND, fine / very fine - w/ some SILT / tan / brown / lt. olive green		
6	4762.20	1		1400	0.0 PPM
12					
18			SAND, med. / fine - w/ some SILT/ dk. olive green		
24	4762.21	2		1400	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B98.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B99

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 8-31-99	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	OVA
0			Turf		
6	4762.22	1	SILT- fine SAND, tan	1420	0.0 PPM
12					
18			CINDERS		
24	4762.23	2	SILT, Clay - black	1420	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B99.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B100

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-31-99
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	OVA
0			Turf		
6			SILT- fine SAND,brown		
	4762.24	1	CINDERS	1435	0.0 PPM
12			CLAYEY SILT, fine SAND, - olive green		
18					
24	4762.25	2		1435	0.0 PPM
			CINDERS		
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B100.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B101

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 8-31-99
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	OVA
0			Turf		
6	4762.26	1	SILT- fine SAND,olive green / orange	1445	0.0 PPM
12					
18					
24	4762.27	2		1445	0.0 PPM
30			CINDERS		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B101.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B102

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 8-31-99	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	OVA
0			Turf		
6	4762.28	1	SILT- fine SAND, brown	1455	0.0 PPM
12			SILT- fine SAND; - olive green		
18					
24	4762.29	2		1455	0.0 PPM
30			CINDERS		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B102.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B103

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-7-99
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	OVA
0			Turf		
6	4774.02	1	SILT- fine SAND, brown/ olive green	0940	0.0 PPM
12			CINDERS		
18					
24	4774.03	2	Organic silt-dk. brown	0940	1.0 PPM
30			SAND, fine / med. - olive green / brown		
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B103.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B104

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-7-99
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	OVA
0			Turf		
			SAND, coarse / fine - orange / brown w/ some small round granules		
6	4774.04	1		0955	0.0 PPM
12					
			SILT, fine SAND, - olive green		
18					
			SAND, fine / med. - brown / dk. brown		
24	4774.05	2		0955	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B104.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B105

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 9-7-99	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	OVA
0	4774.06	1	SAND, fine / med. - brown w/ some small round granules	1015	0.0 PPM
12			cinders and SAND,		
18			SILT, fine SAND, - dk. olive green		
24	4774.07	2	SAND, fine / med. - lt. olive green	1015	0.0 PPM
30			SAND, fine / med. - dk. brown		
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B105.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B106

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 9-7-99	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	OVA
0					
	4774.08	1	SILT, fine SAND - brown	1035	0.0 PPM
6					
12					
			CINDERS		
18					
			SILTY CLAY, fine SAND- black / brown		
24	4774.09	2		1035	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B106.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B107

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-7-99
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	OVA
0			Turf		
			SILT, fine SAND, - olive green		
6	4774.10	1		1050	0.0 PPM
12					
18					
24	4774.11	2		1050	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B107.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B108

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-7-99
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	OVA
0			Turf		
6	4774.12	1	SANDY SILT, fine - brown / tan	1110	0.0 PPM
12			SILT, fine SAND, - olive green		
18					
24	4774.13	2		1110	0.0 PPM
30			CINDERS		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B108.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B109

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-7-99
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	OVA
0			Turf		
6	4774.14	1	SANDY SILT, fine - brown / tan	1130	0.0 PPM
12			SILT, fine SAND, - olive green		
18					
24	4774.15	2		1130	0.0 PPM
30			CINDERS		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B109.BOR

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B110

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-7-99
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	OVA
0			asphalt and gravel		
6					
12	4774.16	1	SANDY SILT, fine - brown w/ some asphalt and gravel bits	1315	0.0 PPM
18					
24	4774.17	2		1315	0.0 PPM
30			SILT ,fine SAND, - tan / lt. olive green		
36			SAND, med. / fine - dk. olive green / brown		
42					

10-22-1999 X:\MTECH5\M12\M12-B110.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B111

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 9-7-99	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	OVA
0			gravel		
			SANDY SILT, med. / fine - brown / olive green		
6	4774.18	1		1330	0.0 PPM
12					
18					
			CINDERS , asphalt		
24	4774.19	2		1330	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B111.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B112

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-7-99
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	OVA
0			Turf		
6			SANDY SILT, brown		
	4774.20	1	Clay and SILT / black	1400	0.0 PPM
12					
18					
			Clay and SILT w/ some SAND, gray / black		
24	4774.21	2		1400	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B112.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B113

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 9-7-99	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	OVA
0			Turf		
6			SANDY SILT, fine - brown		
	4774.22	1	SILT , fine SAND, - olive green	1420	0.0 PPM
12					
18					
24	4774.23	2		1420	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B113.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B114

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-8-99
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	OVA
0			Turf		
6	4777.02	1	SILT ,fine SAND, - olive green / tan	0905	0.0 PPM
12					
18			SILTY CLAY, fine SAND, - olive green		
24	4777.03	2		0905	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B114.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B115

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-8-99
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	OVA
0			SAND, gravel, asphalt material		
6			SANDY SILT, med. / fine - w/ some small round granules		
	4777.04	1		0920	0.0 PPM
12					
18					
24	4777.05	2		0920	40.0 PPM
30					
			Mixed SAND, and CINDERS		
36					
			SAND, med. / fine - lt. olive green		
42					

10-27-1999 X:\MTECH5\M12\M12-B115.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B116

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 9-8-99	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	OVA
0	4777.06	1	Mixed SAND, and QP gravels w/ small angular and round granules - brown / tan	0935	0.0 PPM
6					
12					
18			SILT, fine SAND, - olive green		
24	4777.07	2	SILTY CLAY, fine SAND, olive green w/ some small round quartz granules	0935	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B116.BOR

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B117

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-8-99
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	OVA
0			Mixed SAND,		
6	4777.08	1		0950	0.0 PPM
12					
18			SILT, fine SAND, - olive green		
24	4777.09	2	SILTY CLAY, fine SAND, olive green w/ some small round quartz granules	0950	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B117.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B118

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-8-99
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	OVA
0			Mixed SAND		
6	4777.10	1		1010	0.0 PPM
12					
18			SILT, fine SAND, - olive green		
24	4777.11	2	SILTY CLAY, fine SAND, olive green w/ some small round quartz granules	1010	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B118.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B119

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-8-99
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	OVA
0	4777.12	1	SILT, fine SAND, - olive green w/ some small round granules and asphalt debris	1115	0.0 PPM
6					
12					
18					
24	4777.13	2		1115	15.0 PPM
30			SANDY SILT, fine - dk. brown / olive green w/ some asphalt debris		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B119.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B120

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 9-8-99	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	OVA
0					
	4777.14	1	SANDY SILT, tan / brown w/ asphalt and granular debris	1145	0.0 PPM
6					
12					
18					
			asphalt and Mixed sands - black / brown		
24	4777.15	2		1145	0.0 PPM
30			SAND, coarse / fine - w/ some SILT and cement Debris-olive green / tan		
36					
			SILT w/ some Clay / dk. gray w/ Wood material @ 46"		
42					

10-27-1999 X:\MTECH5\M12\M12-B120.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B121

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 9-8-99	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	OVA
0	4777.16	1	SANDY SILT,fine - brown w/ small round granules and asphalt material	1330	0.0 PPM
6					
12			SILT , fine SAND, - olive green / orange		
18					
24	4777.17	2		1330	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B121.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B122

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 9-8-99	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	OVA
0	4777.18	1	SANDY SILT,fine - brown w/ small round granules and asphalt material	1350	0.0 PPM
6					
12					
			SILT , fine SAND, - olive green / orange		
18					
24	4777.19	2		1350	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B122.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B123

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-8-99
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	OVA
0	4777.20	1	SAND, med. / coarse - w/ some asphalt and small round granules/ brown	1410	0.0 PPM
6					
12			SILT , fine SAND, - olive green		
18					
24	4777.21	2	CINDERS and coal material	1410	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B123.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B124

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 9-8-99	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	OVA
0	4777.22	1	SAND, med. / coarse - w/ some asphalt and small round granules/ brown	1425	0.0 PPM
6					
12			SILT , fine SAND, - olive green		
18					
24	4777.23	2	CINDERS and coal material	1425	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B124.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B125

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-8-99
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	OVA
0	4777.24	1	SILT, Clay, fine sand - olive green	1435	0.0 PPM
6					
12					
18					
24	4777.25	2		1435	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B125.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B126

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 9-8-99	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	OVA
0	4777.26	1	SILT, Clay, fine sand - olive green	1448	0.0 PPM
6					
12					
18					
24	4777.27	2		1448	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B126.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B127

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-15-99
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	OVA
0	4790.02	1	SANDY SILT, fine / med. - dk. gray	0930	0.0 PPM
12			SILT, fine SAND, - olive green		
18			SILT, fine SAND, - olive green w/ coal debris		
24	4790.03	2		0930	0.0 PPM
30			brick		
			cinders / brick material		
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B127.BOR

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B128

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-15-99
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	OVA
0	4790.04	1	SILT, fine SAND, - olive green w/ some asphalt debris	0950	0.0 PPM
6					
12					
18			CINDERS		
24	4790.05	2	CLAYEY SILT, fine SAND, - black / dk. olive green	0950	0.0 PPM
30					
36			CINDERS		
42					

10-22-1999 X:\MTECH5\M12\M12-B128.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B129

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 9-15-99	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	OVA
0					
	4790.06	1	SILT, fine SAND, - olive green	1015	0.0 PPM
6					
12					
18					
			SANDY SILT, fine - olive green / orange		
24	4790.07	2		1015	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B129.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B130

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-15-99
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	OVA
0	4790.08	1	SILT, fine SAND, - olive green	1030	0.0 PPM
6					
12					
18			SANDY SILT, fine - olive green / orange		
24	4790.09	2		1030	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B130.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B131

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-15-99
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	OVA
0	4790.10	1	SILTY CLAY, fine SAND, - dk. brown	1050	0.0 PPM
12			asphalt		
18			SILTY SAND, fine / med. - w/ some Clay and small round granules, brown / orange / tan(also coal fragments)		
24	4790.11	2		1050	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B131.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B132

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-15-99
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	OVA
0			SILT, fine sand - olive green w/ some coal debris		
	4790.12	1		1115	0.0 PPM
6					
12					
18					
24	4790.13	2		1115	0.0 PPM
30			cinders		
36					
42					

10-27-1999 X:\MITECH5\M12\M12-B132.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B133

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 9-15-99	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	OVA
0	4790.14	1	SILT, fine sand - brown / lt. olive green / orange	1135	0.0 PPM
6					
12					
18					
24	4790.15	2		1135	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B133.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B134

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 9-15-99	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	OVA
0	4790.16	1	SILT, fine sand - brown / lt. olive green / orange	1148	0.0 PPM
6					
12					
18					
24	4790.17	2		1148	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B134.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B135

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 9-15-99	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	OVA
0	4790.18	1	SILT, fine sand - brown / lt. olive green / orange	1300	0.0 PPM
6					
12					
18					
24	4790.19	2		1300	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B135.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B136

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-15-99
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	OVA
0	4790.20	1	SAND, fine w/ some SILT / olive green	1325	0.0 PPM
6					
12			CINDERS		
18					
24	4790.21	2		1325	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B136.BOR

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B137

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-15-99
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	OVA
0	4790.22	1	SILT ,fine SAND, - olive green	1350	0.0 PPM
6					
12					
18					
			SANDY SILT, dk. olive green		
24	4790.23	2		1350	0.0 PPM
			SILT, fine SAND, - olive green / brown		
30					
36			SANDY SILT, fine - olive green / orange (Very Little Asphalt @ 4" & Very Little Coal Debris @ 22-26")		
42					

10-27-1999 X:\MTECH5\M12\M12-B137.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B138

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-15-99
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	OVA
0	4790.24	1	SILT , fine SAND, - olive green	1410	0.0 PPM
6					
12					
18					
24	4790.25	2		1410	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B138.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B139

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-15-99
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	OVA
0	4790.26	1	SILT , fine SAND, - olive green/ orange / brown w/ some glass	1425	0.0 PPM
6					
12					
18					
24	4790.27	2		1425	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B139.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B140

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-20-99
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	OVA
0	4793.02	1	SILT , fine SAND, - olive green	0900	0.0 PPM
6					
12					
18					
24	4793.03	2	CINDERS	0900	0.0 PPM
30					
36					
42					

10-22-1999 X:\MTECH5\M12\M12-B140.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B141

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED	: 9-20-99	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	OVA
0	4793.04	1	SILT , fine SAND, - olive green	0920	0.0 PPM
6					
12					
18					
24	4793.05	2	SAND, fine / med. - olive green w/ some SILT	0920	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B141.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B142

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-20-99
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	OVA
0			SILT , SAND, fine / med. - olive green		
	4793.06	1		0935	0.0 PPM
6					
12					
18					
24	4793.07	2		0935	0.0 PPM
30					
36			CINDERS		
42					

10-27-1999 X:\MTECH5\M12\M12-B142.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B143

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-20-99
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	OVA
0	4793.08	1	SILT, fine SAND, - olive green / orange (Hand Augered To 2')	0948	0.0 PPM
6					
12					
18					
24	4793.09	2		0948	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B143.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B144

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-20-99
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	OVA
0					
	4793.10	1	SILT, fine SAND, - olive green / tan	1000	0.0 PPM
6					
12			CINDERS		
18					
24	4793.11	2		1000	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH\SWM12\M12-B144.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B145

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-20-99
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	OVA
0	4793.12	1	SILT, fine SAND, - olive green /orange / brown	1012	0.0 PPM
6					
12					
18					
24	4793.13	2		1012	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B145.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B146

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-20-99
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	OVA
0	4793.14	1	SILT, fine SAND, - olive green / brown (Hand Augered)	1025	0.0 PPM
6					
12					
18					
24	4793.15	2		1025	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B146.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B147

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-20-99
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	OVA
0	4793.16	1	SILT, fine SAND, - olive green / brown (Hand Augered)	1040	0.0 PPM
6					
12					
18					
24	4793.17	2		1040	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B147.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M12-B148

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M12 LANDFILL INVESTIGATION

DATE COMPLETED : 9-20-99
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	OVA
0			SILT, fine SAND, - olive green / brown		
			(Hand Augered)		
	4793.18	1		1055	0.0 PPM
6					
12					
18					
24	4793.19	2		1055	0.0 PPM
30					
36					
42					

10-27-1999 X:\MTECH5\M12\M12-B148.BOR

APPENDIX F

Compliance Average Area Names

Appendix F
Compliance Average Area Names
M-12 Landfill
Fort Monmouth, New Jersey

Compliance Area Name:	AREA SVOC-1	Boring ID
		B63
		B64
		B70
		B71
		B75
		B76
		B77
		B82
		B83
		B88
		B89
		B90
		B96
		B97
		B98
		B99
		B103
		B104
		B105
		B106
		B107
		B109
		B110
		B111
		B112
		B113
		B114
		B115
		B116
		B117
		B118
		B119
		B120
		B121
		B122
		B123
		B124
		B125
		B126
		B127
		B128
		B129
		B131
Compliance Area Name:	**AREA SVOC-2**	**Boring ID**
		B31
		B32
		B33
		B34

B41
B42
B43

Compliance Area Name: **AREA SVOC-3** **Boring ID**

B08
B09
B10
B21
B22
B23
B24
B25

Compliance Area Name: **AREA METALS-1** **Boring ID**

B52
B53
B54
B57
B58
B59
B64
B65
B66
B70
B71
B72
B73
B75
B76
B77
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B134
B135
B137
B138
B139
B141
B142
B143
B145
B146
B147
B148

Compliance Area Name: **AREA METALS-2** **Boring ID**

B01
B02
B03
B04
B05
B07
B08
B09
B15
B16
B17
B18

B19
B20
B21
B22