**FINAL**

# Remedial Investigation Report for Near-Surface Soils

# M-5 Landfill Site

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

**Directorate of Public Works**




**March 15, 2004**

Versar INC.
201 Gibraltar Road, Suite 100
Horsham, Pennsylvania 19044

**Contract No. DACA51-00-D-0004**
**Delivery Order No. 4**

**United States Army**
Fort Monmouth, New Jersey

# Remedial Investigation Report for Near Surface Soils

# M-5 Landfill Site

## Fort Monmouth, New Jersey

**March 15, 2004**

**PREPARED BY:**




**201 GIBRALTAR ROAD, SUITE 100**
**HORSHAM, PA 19044**

**March 15, 2004**

**VERSAR PROJECT NO. 104936.4936.104**

# TABLE OF CONTENTS

**EXECUTIVE SUMMARY** ..... i
**1.0 INTRODUCTION** ..... **1-1**
1.1 Objectives ..... 1-1
1.2 Report Organization ..... 1-1
**2.0 SITE BACKGROUND AND ENVIRONMENTAL SETTING** ..... **2-1**
2.1 Site Location and Description ..... 2-1
2.2 Site Background ..... 2-1
2.3 Environmental Setting ..... 2-2
2.3.1 Regional and Local Geology ..... 2-2
2.3.2 Hydrogeology ..... 2-4
2.3.3 Soils ..... 2-5
2.3.4 Topography and Surface Drainage ..... 2-5
**3.0 SITE ACTIVITIES** ..... **3-1**
**4.0 SOIL SAMPLING RESULTS AND COMPLIANCE ANALYSIS** ..... **4-1**
4.1 Soil Analytical Results ..... 4-1
4.1.1 VOCs ..... 4-1
4.1.2 SVOCs ..... 4-2
4.1.3 Pesticides and PCBs ..... 4-3
4.1.4 Metals ..... 4-4
4.2 Compliance Analysis Method ..... 4-5
4.3 Compliance Analysis ..... 4-6
4.3.1 VOCs ..... 4-7
4.3.2 SVOCs ..... 4-7
4.3.3 Pesticides and PCBs ..... 4-10
4.3.4 Metals ..... 4-11
**5.0 CONCLUSIONS AND RECOMMENDATIONS** ..... **5-1**
**6.0 REFERENCES** ..... **6-1**

## TABLES

Table 3-1 Soil Sample Collection Summary
Table 4-1 Soil Sampling Results – March 1998
Table 4-2 Borings in Which Detections Exceeded Criteria
Table 4-3 Laboratory Analysis Exceedence Summary
Table 4-4 Compliance Analysis Method Summary
Table 4-5 Compliance Averaging Results
Table 4-6 Compliance Averaging Results Summary

## FIGURES

Figure 2-1 Site Location Map
Figure 2-2 Geologic Map
Figure 2-3 Soil Map of Monmouth County
Figure 3-1 Soil Boring Location Map
Figure 4-1 Landfill Contaminant Map – VOCs
Figure 4-2 Landfill Contaminant Map – SVOCs
Figure 4-3 Landfill Contaminant Map – Pesticides and PCBs
Figure 4-4 Landfill Contaminant Map – Metals
Figure 4-5 Compliance Analysis Decision Tree

## APPENDICES

Appendix A DPW Proposal Letter to NJDEP defining RIR for Near Surface Soils at the M-5 Landfill Site, dated July 7, 1998
Appendix B NJDEP Approval Letter to DPW for RIR for Near Surface Soils at the M-5 Landfill Site, dated August 10, 1998
Appendix C Roy F. Weston, Inc. Site Investigation Report, December 1995; Section 4.2.5 – Landfill 5 (M-5)
Appendix D Soil Boring Samples Laboratory Data Sheets
Appendix E Soil Boring Logs
Appendix F Compliance Average Area Names

# EXECUTIVE SUMMARY

To demonstrate compliance equivalence of the existing soil cover over the M-5 Landfill Site with respect to the Solid Waste Disposal Act of 1965, DPW characterized the near-surface soils using 254 borings installed at strategic locations over the site. DPW performed soil borings and obtained soil samples between April1998 and August 1998. All soil samples were analyzed for Target Compound List (TCL) Organics + 30 parameters and Target Analyte List (TAL) metals. The data that exceeded the laboratory method detection limit (MDL) and/or the New Jersey Department of Environmental Protection (NJDEP) Residential Direct Contact Soil Cleanup Criteria (RDCSCC) are summarized in table form in this RIR. Where applicable and appropriate, the data were evaluated utilizing the "compliance averaging" approach to determine compliance with NJDEP RDCSCC.

Concentrations of VOCs, SVOCs, pesticides and PCBs and metals were detected exceeding the NJDEP RDCSCC. In all cases, further analysis of the analytical results did not define a "source area" or level of contamination that necessitated the identification and evaluation of potential remedial actions. In most cases, either the calculated compliance average was below the respective RDCSCC or the exceedence was considered marginal. However, to address the exceedences of analytes that did not meet cleanup criteria in the near surface soils, the DPW will incorporate a document equivalent to a Declaration of Environmental Restriction (DER) into the Fort Monmouth Master Plan for soils at the site. The Army is requesting a ***No Further Action*** determination for these parameters. The DER equivalent may be developed for the entire M-5 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-5 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-5 Landfill Site.

# 1.0 INTRODUCTION

Versar, Inc. (Versar) has been contracted by the United States (U.S.) Army Fort Monmouth, Directorate of Public Works (DPW), Fort Monmouth, New Jersey to prepare a Remedial Investigation Report (RIR) for the M-5 Landfill Site. The M-5 Landfill Site is located on the western portion of the Main Post of Fort Monmouth. This RIR presents a compilation of the results of remedial investigation conducted at the M-5 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-5 Landfill Site as proposed in DPW's letter, dated July 7, 1998 and approved by the NJDEP in correspondence dated August 10, 1998 (**Appendix A** and **Appendix B**). The remedial investigation was conducted in accordance with NJDEP Technical Requirements for Site Remediation (July 1999), NJAC 7:26E, et seq.

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

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

## 1.2 Report Organization

This report is organized to minimize repetition. The findings of the Roy F. Weston, Inc. (Weston) report entitled, *Site Investigation, Fort Monmouth, New Jersey, Main Post and Charles Wood Areas, Site Investigation Report* (December 1995), were used as the basis for this remedial investigation program. **Section 2.0** provides background information and a general description of the M-5 Landfill Site located at Fort Monmouth. **Section 3.0** describes and summarizes the soil sampling activities conducted at the M-5 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-5 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 2540 acres and is generally bounded by State Highway 35, Parkers Creek, Lafetra Creek, the New Jersey Transit Railroad and a residential area to the south. The post was established in 1918 during World War I (WWI) as an Army Signal Corps training center. The Main Post currently provides administrative, training, and housing support functions, as well as providing many of the community facilities for Fort Monmouth. The primary mission of Fort Monmouth is to provide command, administrative, and logistical support for Headquarters, U.S. Army Communications and Electronics Command (CECOM). CECOM is a major subordinate command of the U.S. Army Materiel Command (AMC) and is the host tenant at Fort Monmouth.

The M-5 Landfill was a former historic fill site located on the northwest corner of the intersection of North Drive and Wilson Avenue and is bordered by Mill Creek and Parkers Creek to the west in the Main Post Area. The historic fill reportedly contained automobiles as well as for domestic and industrial wastes. The approximate size of the M-5 Landfill Site area is 138,200 feet$^2$ (3.2 acres). Based on historical research, the period of operation of the fill site was approximately 1952 to 1959.

## 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-5 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-5 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 groundwater monitoring well installation and sampling. The Weston SI report was used as the basis for the supplemental remedial investigations described in the following sections of this report.

Lithologic data collected from the soil borings indicated that the overburden material consisted of a thin soil cover, approximately 0.5 feet, overlaying fill material consisting of coal, glass and plastic fragments intermixed with a silty sand and clay matrix.

## 2.3 Environmental Setting

The following is a description of the geological/hydrogeological setting of the area surrounding the M-5 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-5 Landfill Site is located in what is referred to as the Outer Coastal Plain subprovince, or the Outer Lowlands. The geologic map of New Jersey is provided as **Figure 2-2**.

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

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

(e.g., a boundary zone between older, resistant rocks and younger, softer plain sediments) to greater than 6,500 feet in Cape May County (Brown and Zapecza, 1990).

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

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

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

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

As presented in the Weston SI Report (relevant portions presented in **Appendix C**), the lithologic logs from monitoring well installations indicate that the lithology at the M-5 Landfill Site consists of a thin soil cover (0.5 feet) underlain by fill material. The components of the fill materials observed in the borings consist of coal, glass and plastic fragments intermixed with a silty sand and clay matrix. Groundwater saturation was observed at approximately 4 feet below ground surface (bgs) across the site. Water-level elevation data collected during the Weston SI indicates that local groundwater flow is consistently to the west toward Mill Creek.

### 2.3.2 Hydrogeology

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

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

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

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

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

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

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

### 2.3.3 Soils

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

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

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

### 2.3.4 Topography and Surface Drainage

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

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

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

The M-5 Landfill Site is located on the east side of Mill Creek, which flows eastward into Parkers Creek. The USGS topographic map (**Figure 2-1**) shows that the land surface of the site is relatively flat at an elevation of less than 20 feet amsl. Surface water runoff from the M-5 Landfill Site is likely to flow west into Mill Creek.

# 3.0 SITE ACTIVITIES

The DPW conducted this remedial investigation in accordance that the NJDEP Technical Requirements for Site Remediation (N.J.A.C. 26:E) to characterize near surface soils and assess potential risks to human health or the environment. The remedial investigation activities consisted of the collection of near-surface soil samples at the M-5 Landfill Site. Remedial investigation activities were performed between April 1998 and August 1998. These activities were managed by the Fort Monmouth DPW and performed by TECOM-Vinnell Services (TVS). The details of remedial investigation activities that occurred at the M-5 Landfill Site are described below.

The DPW characterized the near-surface soils at the M-5 Landfill Site by completing 254 borings (B01-B254) 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 508 soil samples were collected from the 254 borings and were analyzed for the presence of VOCs, SVOCs, pesticides, PCBs and TAL metals. The soil boring locations were located in and around the M-5 Landfill Site as identified in the Weston SI (1995). The locations of the borings were established in a grid-like pattern within the previously designated boundaries of the M-5 Landfill Site.

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

Laboratory analyses of the samples collected at the M-5 Landfill Site were conducted at the Fort Monmouth Environmental Testing Laboratory (FMETL), a New Jersey certified laboratory (Certification No. 13461). The locations of these 254 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-5 Landfill Site is discussed below. The results were compared with the Cleanup Standards for Contaminated Sites (N.J.A.C. 7:26D), which was revised with Soil Cleanup Criteria dated May 12, 1999. The soil analytical results are presented by analyte (VOCs, SVOCs, Pesticides and PCBs and TAL Metals) and compare the analytical data with the NJDEP RDCSCC. Exceedences of the RDCSCC were subjected to further evaluation involving compliance averaging and site-specific considerations. All of the soil sample results in this report are expressed in milligrams per kilogram (mg/kg), equivalent to parts per million (ppm).

## 4.1 Soil Analytical Results

The analytical results from the 508 soil samples collected from 254 borings at the M-5 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 254 borings at the M-5 Landfill Site were analyzed for VOCs, SVOCs, pesticides and PCBs and metals. The results that exceeded the respective RDCSCC are shaded in **Table 4-1**.

### 4.1.1 VOCs

VOC analyses were conducted on soil samples collected from the 254 soil borings at the M-5 Landfill Site (see **Figure 4-1**). Each of these soil samples was collected at approximately the same depth range, 24 inches bgs.

Soil cleanup criteria for VOCs were exceeded in two of the 254 soil boring locations. The borings that presented exceedences of VOCs are listed in **Table 4-2**. One VOC was detected in site soils at concentrations above the RDCSCC. The one VOCs that exceeded the RDCSCC is, with number of exceedences in parentheses, Tetrachloroethene (2). **Table 4-3** presents a summary of the results, identifying the maximum, minimum and average exceedences for this parameter. A discussion of these exceedences is presented below.

- Tetrachloroethene was detected in two of the site soil samples above the RDCSCC of 4.0 mg/kg. The exceedence concentrations ranged from a minimum of 4.8 mg/kg (B23) to a maximum of 5.0 mg/kg (B15). The average exceedence concentration for Tetrachloroethene is 4.90 mg/kg.

### 4.1.2 SVOCs

SVOC analyses were conducted on soil samples collected from the 254 soil borings at the M-5 Landfill Site (see **Figure 4-2**). 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 254 soil boring locations. The borings that presented exceedences of SVOCs are listed in **Table 4-2**. Seven SVOCs were detected in site soils at concentrations above the RDCSCC. The seven SVOCs that exceeded the RDCSCC are, with number of exceedences in parentheses, Benzo(a)anthracene (11), Benzo(a)pyrene (17), Benzo(b)fluoranthene (10), Benzo(k)fluoranthene (10), Chrysene (3), Dibenz(a,h)anthracene (4), and Indeno(1,2,3-cd)pyrene (7). **Table 4-3** presents a summary of the results, identifying the maximum, minimum and average exceedences for each of these parameters. A discussion of these exceedences is presented below.

- Benzo(a)anthracene was detected in 11 of the site soil samples above the RDCSCC of 0.9 mg/kg. The exceedence concentrations ranged from a minimum of 0.97 mg/kg (B72) to a maximum of 14 mg/kg (B220). The average exceedence concentration for Benzo(a)anthracene is 4.369 mg/kg.

- Benzo(a)pyrene was detected in 17 site soil samples above the RDCSCC of 0.66 mg/kg. The exceedence concentrations ranged from a minimum of 0.67 mg/kg (B26, B42) to a maximum of 11 mg/kg (B84). The average exceedence concentration for Benzo(a)pyrene is 2.405 mg/kg.

- Benzo(b)fluoranthene was detected in ten of the site soil samples above the RDCSCC of 0.9 mg/kg. The exceedence concentrations ranged from a minimum of 1.1 mg/kg (B218) to a maximum of 9.5 mg/kg (B220). The average exceedence concentration for Benzo(b)fluoranthene exceedences is 3.69 mg/kg.

- Benzo(k)fluoranthene was detected in ten of the site soil samples above the RDCSCC of 0.9 mg/kg. The exceedence concentrations ranged from a minimum of 1.2 mg/kg (B218, B72) to a maximum of 8.8 mg/kg (B84). The average exceedence concentration for Benzo(k)fluoranthene is 2.60 mg/kg.

- Chrysene was detected in three site soil samples above the RDCSCC of 9.0 mg/kg. The exceedence concentrations ranged from a minimum of 9.7 mg/kg (B92) to a maximum of 25 mg/kg (B220). The average exceedence concentration for Chrysene is 18.567 mg/kg.

- Dibenz(a,h)anthracene was detected in four site soil samples above the RDCSCC of 0.66 mg/kg. The exceedence concentrations ranged from a minimum of 1.0 mg/kg (B71) to a maximum of 2.9 mg/kg (B84). The average exceedence concentration for Chrysene is 1.70 mg/kg.

- Indeno(1,2,3-cd)pyrene was detected in seven of the site soil samples above the RDCSCC of 0.9 mg/kg. The exceedence concentrations ranged from a minimum of 1.2 mg/kg (B27) to a maximum of 4.9 mg/kg (B84). The average exceedence concentration for Indeno(1,2,3-cd)pyrene is 2.343 mg/kg.

### 4.1.3 Pesticides and PCBs

Pesticide and PCB analyses were conducted on soil samples collected from the 254 borings at the M-5 Landfill Site (see **Figure 4-3**). Each of these soil samples was collected at approximately the same depth range, 6-12 inches bgs. Each of the 254 borings was analyzed for 19 pesticides and seven PCB compounds.

Soil cleanup criteria for pesticides were exceeded in nine of the 254 soil boring locations. The borings that presented exceedences of pesticides are listed in **Table 4-2**. Four pesticides were detected in site soils at concentrations above the RDCSCC. The four pesticides that exceeded the RDCSCC are, with number of exceedences in parentheses, 4,4'-DDD (1), 4,4'-DDE (3), 4,4'-DDT (9), and Dieldrin (1). **Table 4-3** presents a summary of the results, identifying the maximum, minimum and average exceedences for each of these parameters. A discussion of these exceedences is presented below.

- 4,4'-DDD was detected in one site soil sample above the RDCSCC of 3.0 mg/kg at a concentration of 3.787 mg/kg (B254).

- 4,4'-DDE was detected in three of the site soil samples above the RDCSCC of 2.0 mg/kg. The exceedence concentrations ranged from a minimum of 2.058 mg/kg (B59) to a maximum of 4.185 mg/kg (B254). The average exceedence concentration for 4,4'-DDE is 3.191 mg/kg.

- 4,4'-DDT was detected in nine of the site soil samples above the RDCSCC of 2.0 mg/kg. The exceedence concentrations ranged from a minimum of 2.094 mg/kg (B251) to a maximum of 56.446 mg/kg (B254). The average exceedence concentration for 4,4'-DDT is 13.425 mg/kg.

- Dieldrin was detected in one site soil sample above the RDCSCC of 0.042 mg/kg at a concentration of 0.049 mg/kg (B239).

Soil cleanup criteria for PCBs were exceeded in one of the 254 soil boring locations. The boring that presented exceedences of PCBs are listed in **Table 4-2**. One PCB was detected in site soils at concentrations above the RDCSCC. The one PCB that exceeded the RDCSCC is, with number of exceedences in parentheses, Arochlor 1254 (1). **Table 4-3** presents a summary of the results, identifying the maximum, minimum and average exceedences for this parameter. A discussion of these exceedences is presented below.

- Arochlor 1254 was detected in one site soil sample above the RDCSCC of 0.49 mg/kg at a concentration of 1.499 mg/kg (B201).

### 4.1.4 Metals

The soil samples from the 254 borings (see **Figure 4-3**) were analyzed for 24 TAL metals. The samples were collected from depths of 6-12 inches. A total of seven metals were detected at concentrations above their respective RDCSCC at 28 of 254 boring locations. The borings that contained exceedences of metals are listed in **Table 4-2**. The seven metals that exceeded the RDCSCC in the borings are, with the number of exceedences in parentheses, Arsenic (9), Beryllium (3), Copper (4) Lead (15), Mercury (1), Nickel (1), Thallium (1) and Zinc (3). **Table 4-3** presents a summary of the results, presenting the maximum, minimum and average exceedences for each of these parameters. A discussion of these exceedences is presented below.

- Arsenic was detected in nine of the site soil samples above the RDCSCC of 20 mg/kg. The exceedence concentrations ranged from a minimum of 20.13 mg/kg (B02) to a maximum of 1,030 mg/kg (B19). The average exceedence concentration for Arsenic is 164.416 mg/kg.

- Beryllium was detected in three of the site soil samples above the RDCSCC of 2.0 mg/kg. The exceedence concentrations ranged from a minimum of 2.05 mg/kg (B254) to a maximum of 10.89 mg/kg (B35). The average exceedence concentration for Beryllium is 5.909 mg/kg.

- Copper was detected in four of the site soil samples above the RDCSCC of 600 mg/kg. The exceedence concentrations ranged from a minimum of 1,168 mg/kg (B99) to a maximum of 2,837 mg/kg (B09). The average exceedence concentration for Copper is 1,965.75 mg/kg.

- Lead was detected in 15 of the site soil samples above the RDCSCC of 400 mg/kg. The exceedence concentrations ranged from a minimum of 494 mg/kg (B199) to a maximum of 4,549 mg/kg (B99). The average exceedence concentration for Lead is 1,357.733 mg/kg.

- Mercury was detected above the RDCSCC of 14 mg/kg in one site soil sample at a concentration of 17.584 mg/kg (B59).

- Nickel was detected above the RDCSCC of 250 mg/kg in one site soil sample at a concentration of 431 mg/kg (B242).

- Thallium was detected above the RDCSCC of 2.0 mg/kg in one site soil sample at a concentration of 47.42 mg/kg (B35).

- Zinc was detected in three of the site soil samples above the RDCSCC of 1,500 mg/kg. The exceedence concentrations ranged from a minimum of 1,598 mg/kg (B44) to a maximum of 9,772 mg/kg (B99). The average exceedence concentration for Zinc is 4,393.0 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-5 Landfill Site was to complete the soil sampling analysis. The analytical results from the 508 soil samples collected from 254 borings at the M-5 Landfill Site are discussed above and are included in **Table 4-1**. The method used to determine regulatory compliance is portrayed as a decision tree in **Figure 4-5** and described below.

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

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

There are several analyte-specific conditions that determine whether compliance averaging can be applied to an exceedence of NJDEP soil cleanup criteria, including maximum analytical results ("ceilings") for individual samples based on the particular NJDEP criterion, as well as specific requirements for arsenic, thallium, beryllium, Benzo(a)pyrene and Dibenz(a,h)anthracene. The compliance analysis method used for the M-5 Landfill Site for each detected analyte that exceeded the respective RDCSCC is summarized in the last column in **Table 4-4**.

Compliance averaging was performed for analytes that met the requirements as summarized in **Figure 4-5**. Compliance average areas were identified within the M-5 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-5 Landfill Site that presented exceedences of the RDCSCC. Soil borings outside of the areas of concern (referred to as "clean areas" in NJDEP, 1995) presented contaminant concentrations below the RDCSCC and were not included in calculating compliance averages. The boundaries of the compliance average areas are shown in **Figures 4-1** (VOCs), **4-2**

(SVOCs), **4-3** (pesticides and PCBs) and **4-4** (metals). The compliance average area names are shown in **Appendix F**. The compliance average area names are defined according to the analyte category, such as "AREA VOC-1." When calculating average results, the following rules applied:

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

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

1) Compliance averages met the same analyte-specific conditions that are used for determining whether compliance averaging can be applied,
2) Contaminant concentrations were found within a limited area (for the M-5 Landfill Site, a 15-foot radius, or one-half the grid-spacing, was used for the *de minimus* area determination),
3) Evaluation of contaminant mass, persistence, and location indicated limited potential for significant human health or environmental impacts, and
4) There can only be one *de minimus* exemption per area of concern.

Finally, if an analyte did not meet the *de minimus* conditions, or did not meet the analyte-specific conditions required to perform compliance averaging, additional site-specific parameters were considered as conditions for a No Further Action proposal. If further analysis of the analytical results did not define a "source area" or level of contamination that necessitated the identification and evaluation of potential remedial actions, then the exceedence was considered marginal, or an isolated location and no further action is warranted for the near surface soils. However, to further address the exceedences in the near surface soils, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan for soils at the M-5 Landfill Site presenting the exceedence.

## 4.3 Compliance Analysis

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

### 4.3.1 VOCs

One VOC was detected in site soils at concentrations above its respective RDCSCC: Tetrachloroethene. For the purposes of compliance analysis, the sample locations with exceedences of the RDCSCC for VOCs have been grouped into one area, AREA VOC-1. The borings contained within this compliance average area are labeled in **Figure 4-1** and listed in **Appendix F**. The compliance analysis method for these compounds is presented in **Table 4-4**.

**Tetrachloroethene (AREA VOC-1)**

Tetrachloroethene was detected in two of the site soil samples above the RDCSCC of 4.0 mg/kg at concentrations ranging from 4.8 mg/kg to 5.0 mg/kg (average exceedence concentration of 4.90 mg/kg).

Compliance averaging conducted for Tetrachloroethene in AREA VOC-1 yielded the compliance average concentration of 3.247 mg/kg. Therefore, the compliance average for Tetrachloroethene in AREA VOC-1 is below the RDCSCC of 4.0 mg/kg and is not of concern.

These findings support a No Further Action determination for Tetrachloroethene in near-surface soils at the M-5 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 exceedences of the RDCSCC for SVOCs have been grouped into one area, AREA SVOC-1. The borings contained within this compliance average area are labeled in **Figure 4-2** and listed in **Appendix F**. The compliance analysis method for these compounds is presented in **Table 4-4**.

**Benzo(a)anthracene (AREA SVOC-1)**

Benzo(a)anthracene was detected in 11 of the site soil samples above the RDCSCC of 0.9 mg/kg at concentrations ranging from 0.97 mg/kg to 14 mg/kg (average exceedence concentration of 4.369 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-5 Landfill Site.

Due to the limited presence of Benzo(a)anthracene in the area of the M-5 Landfill Site identified as AREA SVOC-1 at concentrations that are both above the RDCSCC and inappropriate for compliance averaging, the DPW will incorporate a document equivalent

to a DER into the Fort Monmouth Master Plan. The DER equivalent will apply to soils presenting exceedences of Benzo(a)anthracene at the M-5 Landfill Site (AREA SVOC-1) and will be protective of human health and the environment. The DER equivalent supports a No Further Action determination for Benzo(a)anthracene in near-surface soils at the M-5 Landfill Site.

**Benzo(a)pyrene (AREA SVOC-1)**

Benzo(a)pyrene was detected in 17 site soil samples above the RDCSCC of 0.66 mg/kg at concentrations ranging from 0.67 mg/kg to 11 mg/kg (average exceedence concentration of 2.405 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-5 Landfill Site with respect to Benzo(a)pyrene.

Due to the limited presence of Benzo(a)pyrene in the area of the M-5 Landfill Site identified as AREA SVOC-1 at concentrations that are both above the RDCSCC and inappropriate for compliance averaging, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan. The DER equivalent will apply to soils presenting exceedences of Benzo(a)pyrene at the M-5 Landfill Site (AREA SVOC-1) and will be protective of human health and the environment. The DER equivalent supports a No Further Action determination for Benzo(a)pyrene in near-surface soils at the M-5 Landfill Site.

**Benzo(b)fluoranthene (AREA SVOC-1)**

Benzo(b)fluoranthene was detected in ten of the site soil samples above the RDCSCC of 0.9 mg/kg at concentrations ranging from 1.1 mg/kg to 9.5 mg/kg (average exceedence concentration of 3.69 mg/kg).

Compliance averaging was conducted for Benzo(b)fluoranthene in AREA SVOC-1 and found to be 0.885 mg/kg. Therefore, the compliance average for Benzo(b)fluoranthene in AREA SVOC-1 is below the RDCSCC of 0.9 mg/kg and is not of concern.

These findings support a No Further Action determination for Benzo(b)fluoranthene in near-surface soils at the M-5 Landfill Site.

**Benzo(k)fluoranthene (AREA SVOC-1)**

Benzo(k)fluoranthene was detected in ten of the site soil samples above the RDCSCC of 0.9 mg/kg at concentrations ranging from 1.2 mg/kg to 8.8 mg/kg (average exceedence concentration of 2.60 mg/kg).

Compliance averaging was conducted for Benzo(k)fluoranthene in AREA SVOC-1 and found to be 0.664 mg/kg. Therefore, the compliance average for Benzo(b)fluoranthene in AREA SVOC-1 is below the RDCSCC of 0.9 mg/kg and is not of concern.

These findings support a No Further Action determination for Benzo(k)fluoranthene in near-surface soils at the M-5 Landfill Site.

**Chrysene (AREA SVOC-1)**

Chrysene was detected in three site soil samples above the RDCSCC of 9.0 mg/kg at concentrations ranging from 9.7 mg/kg to 25 mg/kg (average exceedence concentration of 18.567 mg/kg).

Compliance averaging was conducted for Chrysene in AREA SVOC-1 and found to be 1.812 mg/kg. Therefore, the compliance average for Chrysene in AREA SVOC-1 is below the RDCSCC of 9.0 mg/kg and is not of concern.

These findings support a No Further Action determination for Chrysene in near-surface soils at the M-5 Landfill Site.

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

Dibenz(a,h)anthracene was detected in four site soil samples above the RDCSCC of 0.66 mg/kg at concentrations ranging from 1.0 mg/kg to 2.9 mg/kg (average exceedence concentration of 1.70 mg/kg). Compliance averaging was not undertaken for Dibenz(a,h)anthracene 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 Dibenz(a,h)anthracene 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 AREA SVOC-1 at the M-5 Landfill Site with respect to Dibenz(a,h)anthracene.

Due to the limited presence of Dibenz(a,h)anthracene in the area of the M-5 Landfill Site identified as AREA SVOC-1 at concentrations that are both above the RDCSCC and inappropriate for compliance averaging, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan. The DER equivalent will apply to soils presenting exceedences of Dibenz(a,h)anthracene at the M-5 Landfill Site (AREA

SVOC-1) and will be protective of human health and the environment. The DER equivalent supports a No Further Action determination for Dibenz(a,h)anthracene in near-surface soils at the M-5 Landfill Site.

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

Indeno(1,2,3-cd)pyrene was detected in seven of the site soil samples above the RDCSCC of 0.9 mg/kg at concentrations ranging from 1.2 mg/kg to 4.9 mg/kg (average exceedence concentration of 2.343 mg/kg).

Compliance averaging conducted for Indeno(1,2,3-cd)pyrene in AREA SVOC-1 yielded the compliance average concentration of 0.517 mg/kg. Therefore, the compliance average for Indeno(1,2,3-cd)pyrene in AREA SVOC-1 does not exceed the RDCSCC of 0.9 mg/kg and is not of concern.

These findings support a No Further Action determination for Indeno(1,2,3-cd)pyrene in near-surface soils at the M-5 Landfill Site.

### 4.3.3 Pesticides and PCBs

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

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

4,4'-DDD was detected in one site soil sample above the RDCSCC of 3.0 mg/kg at a concentration of 3.787 mg/kg.

Compliance averaging for 4,4'-DDD in AREA PESTPCB-1 yielded the compliance average concentration of 0.479 mg/kg. Therefore, the compliance average for 4,4'-DDD in AREA PESTPCB-1 is below the RDCSCC of 3.0 mg/kg and is not of concern. These findings support a No Further Action determination for 4,4'-DDD in near-surface soils at the M-5 Landfill Site.

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

4,4'-DDE was detected in three of the site soil samples above the RDCSCC of 2.0 mg/kg at concentrations ranging from 2.058 mg/kg to 4.185 mg/kg (average exceedence concentration of 3.191 mg/kg).

Compliance averaging for 4,4'-DDE in AREA PESTPCB-1 yielded the compliance average concentration of 0.654 mg/kg. Therefore, the compliance average for 4,4'-DDE in AREA PESTPCB-1 is below the RDCSCC of 2.0 mg/kg and is not of concern.

These findings support a No Further Action determination for 4,4'-DDE in near-surface soils at the M-5 Landfill Site.

**4,4'-DDT (AREA PESTPCB-1)**

4,4'-DDT was detected in nine of the site soil samples above the RDCSCC of 2.0 mg/kg at concentrations ranging from 2.094 mg/kg to 56.446 mg/kg (average exceedence concentration of 13.425 mg/kg). Because the maximum concentration of 4,4'-DDT was greater than the 10X ceiling limit of 20 mg/kg in AREA PESTPCB-1, compliance averaging was not appropriate for 4,4'-DDT for this area of the M-5 Landfill Site.

Due to the limited presence of 4,4'-DDT in the area of the M-5 Landfill Site identified as AREA PESTPCB-1 at concentrations that are both above the RDCSCC and inappropriate for compliance averaging, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan. The DER equivalent will apply to soils presenting exceedences of 4,4'-DDT at the M-5 Landfill Site (AREA PESTPCB-1) and will be protective of human health and the environment. The DER equivalent supports a No Further Action determination for 4,4'-DDT in near-surface soils at the M-5 Landfill Site.

**Dieldrin (AREA PESTPCB-1)**

Dieldrin was detected in one site soil sample above the RDCSCC of 0.042 mg/kg at a concentration of 0.049 mg/kg.

Compliance averaging for Dieldrin in AREA PESTPCB-1 yielded the compliance average concentration of 0.049 mg/kg. Therefore, the compliance average for Dieldrin in AREA PESTPCB-1 is marginally above the RDCSCC of 0.042 mg/kg and is not of concern.

These findings support a No Further Action determination for Dieldrin in near-surface soils at the M-5 Landfill Site.

One PCB was detected in site soils at concentrations above its RDCSCC: Arochlor 1254. For the purposes of compliance analysis, the sample locations with exceedences of the RDCSCC for PCBs have been grouped into one area, AREA PESTPCB-1. The boring contained within this compliance average area is labeled in **Figure 4-3** and listed in **Appendix F**. The compliance analysis method for this compound is presented in **Table 4-4**.

**Arochlor 1254 (AREA PESTPCB-1)**

Arochlor 1254 was detected in one site soil sample above the RDCSCC of 0.49 mg/kg at a concentration of 1.499 mg/kg.

Compliance averaging for Arochlor 1254 in AREA PESTPCB-1 yielded the compliance average concentration of 0.832 mg/kg. Therefore, the compliance average for Arochlor 1254 in AREA PESTPCB-1 is marginally above the RDCSCC of 0.49 mg/kg and is not of concern.

These findings support a No Further Action determination for Arochlor 1254 in near-surface soils at the M-5 Landfill Site.

### 4.3.4 Metals

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

**Arsenic (AREA METALS-1)**

Arsenic was detected in nine of the site soil samples above the RDCSCC of 20 mg/kg at concentrations ranging from 20.13 mg/kg to 1,030 mg/kg (average exceedence concentration of 164.416 mg/kg). Compliance averaging was not undertaken for Arsenic because, as described in the Spring 1995 *Site Remediation News* (Volume 7, Number 2), the 20 mg/kg RDCSCC for arsenic is already 50 times higher than the health based number for arsenic (0.4 mg/kg). Many of these samples also exceeded the site-specific maximum background concentration for Arsenic in soils (Weston, 1995) of 22.9 mg/kg.

Due to the distribution of Arsenic in the area of the M-5 Landfill Site identified as AREA METALS-1 at concentrations that are both above the RDCSCC and inappropriate for compliance averaging, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan. The DER equivalent will apply to soils presenting exceedences of Arsenic at the M-5 Landfill Site (AREA METALS-1) and will be protective of human health and the environment. The DER equivalent supports a No Further Action determination for Arsenic in near-surface soils at the M-5 Landfill Site.

**Beryllium (AREA METALS-1)**

Beryllium was detected above the RDCSCC of 2.0 mg/kg in three site soil samples at concentrations ranging from 2.05 mg/kg to 10.89 mg/kg (average exceedence concentration of 5.909 mg/kg). Compliance averaging was not undertaken for Beryllium because, as described in the Spring 1995 *Site Remediation News* (Volume 7, Number 2),

compliance averaging is not appropriate for soil samples that present Beryllium concentrations that exceed 2.0 mg/kg.

Due to the limited presence of Beryllium in the area of the M-5 Landfill Site identified as AREA METALS-1 at concentrations that are both above the RDCSCC and inappropriate for compliance averaging, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan. The DER equivalent will apply to soils presenting exceedences of Beryllium at the M-5 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-5 Landfill Site.

**Copper (AREA METALS-1)**

Copper was detected above the RDCSCC of 600 mg/kg in four site soil samples at concentrations ranging from 1,168 mg/kg to 2,837 mg/kg (average exceedence concentration of 1,965.75 mg/kg). Because the maximum concentration of Copper was greater than the 2X ceiling limit of 1,200 mg/kg in AREA METALS-1, compliance averaging was not appropriate for Copper for this area of the M-5 Landfill Site.

Due to the limited presence of Copper in the area of the M-5 Landfill Site identified as AREA METALS-1 at concentrations that are both above the RDCSCC and inappropriate for compliance averaging, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan. The DER equivalent will apply to soils presenting exceedences of Copper at the M-5 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 Copper in near-surface soils at the M-5 Landfill Site.

**Lead (AREA METALS-1)**

Lead was detected above the RDCSCC of 400 mg/kg in 15 site soil samples at concentrations ranging from 494 mg/kg to 4,549 mg/kg (average exceedence concentration of 1,357.733 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-5 Landfill Site.

Due to the limited presence of Lead in the area of the M-5 Landfill Site identified as AREA METALS-1 at concentrations that are both above the RDCSCC and inappropriate for compliance averaging, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan. The DER equivalent will apply to soils presenting exceedences of Lead at the M-5 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 Lead in near-surface soils at the M-5 Landfill Site.

**Mercury (AREA METALS-1)**

Mercury was detected above the RDCSCC of 14 mg/kg at one boring at a concentration of 17.584 mg/kg.

Compliance averaging conducted for Mercury in AREA METALS-1 yielded the compliance average concentration of 1.089 mg/kg. Therefore, the compliance average for Mercury in AREA METALS-1 is below the RDCSCC of 14 mg/kg and is not of concern.

These findings support a No Further Action determination relative to Mercury in near-surface soils at the M-5 Landfill Site.

**Nickel (AREA METALS-1)**

Nickel was detected above the RDCSCC of 250 mg/kg at one boring at a concentration of 431 mg/kg.

Compliance averaging conducted for Nickel in AREA METALS-2 yielded the compliance average concentration of 66.644 mg/kg. Therefore, the compliance average for Nickel in AREA METALS-2 is below the RDCSCC of 250 mg/kg and is not of concern.

These findings support a No Further Action determination relative to Nickel in near-surface soils at the M-5 Landfill Site.

**Thallium (AREA METALS-1)**

Thallium was detected above the RDCSCC of 2.0 mg/kg in one site soil sample at a concentration of 47.42 mg/kg. Compliance averaging was not undertaken for Thallium because, as described in the Spring 1995 *Site Remediation News* (Volume 7, Number 2), the 2.0 mg/kg RDCSCC for Thallium is already much higher than the health based number for Thallium (0.0 mg/kg).

Due to the limited presence of Thallium in the area of the site identified as AREA METALS-1 at concentrations that are both above the RDCSCC and inappropriate for compliance averaging, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan. The DER equivalent will apply to soils presenting exceedences of Thallium at the M-5 Landfill Site (AREA METALS-1) and will be protective of human health and the environment. The DER equivalent and compliance averaging approach support a No Further Action determination for Thallium in near-surface soils at the M-5 Landfill Site.

**Zinc (AREA METALS-1)**

Zinc was detected above the RDCSCC of 1,500 mg/kg in three site soil samples at concentrations ranging from 1,598 mg/kg to 4,510 mg/kg (average exceedence concentration of 9,772 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-5 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 exceedences of Zinc at the M-5 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-5 Landfill Site.

# 5.0 CONCLUSIONS AND RECOMMENDATIONS

To demonstrate compliance equivalence of the existing soil cover over the M-5 Landfill Site with respect to the Solid Waste Disposal Act of 1965, DPW characterized the near-surface soils using 254 borings from strategic locations over the site. DPW installed soil borings and obtained soil samples between April 1998 and August 1998. All soil samples were analyzed for TCL Organics + 30 parameters and TAL metals. The data that exceeded the laboratory MDL and/or the NJDEP RDCSCC are summarized in table form in this RIR. Where applicable and appropriate, the data were evaluated utilizing the "compliance averaging" approach to determine compliance with NJDEP RDCSCC. The conclusions and recommendations of the evaluation of analytical results from the near-surface soils site characterization are provided below.

As discussed in **Section 4.1**, concentrations of VOCs, SVOCs, pesticides and PCBs and metals were detected exceeding the NJDEP RDCSCC. **Table 4-6** provides a summary of the compliance analysis discussed in this RIR. In all cases, further analysis of the analytical results did not define a "source area" or level of contamination that necessitated the identification and evaluation of potential remedial actions. In most cases, either the calculated compliance average was below the respective RDCSCC or the exceedence was considered marginal (e.g., within 1 to 2 mg/kg of the RDCSCC). However, to address the exceedences of analytes that did not meet cleanup requirements in the near surface soils, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan for soils containing these exceedences. As discussed in **Section 2.3.2.**, the M-5 Landfill Site is located within a Class-III-A aquifer (aquitard) zone, which would minimize the possibility of any cantamination migrating offsite. The Army is therefore requesting a ***No Further Action*** for these parameters. The DER equivalent may be developed for the entire M-5 Landfill Site or be restricted to the following areas and analytes (see **Figures 4-1, 4-2**, **4-3** and **4-4** for the boundaries of these areas):

- AREA SVOC-1: Benzo(a)anthracene, Benzo(a)pyrene and Dibenz(a,h)anthracene
- AREA PESTPCB-1: 4,4'-DDT
- AREA METALS-1: Arsenic, Beryllium, Copper, Lead, Thallium and Zinc

Given the inactive and undisturbed status of the landfill, the performance of long-term surface water and groundwater monitoring proximate to the M-5 Landfill Site, the negligible impacts reported to-date, the lack of groundwater use at or downgradient of the M-5 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-5 Landfill Site.

## 6.0 REFERENCES

Brown, G.A. and O.S. Zapecza. 1990. *Results of Test Drilling in Howell Township, Monmouth County, New Jersey.* USGS, West Trenton, NJ.

Cosulich. 1981. *Engineering Design to Accompany Registration Statement, Fort Monmouth, Solid Waste Landfill*. W.F. Cosulich Associates. May 1981.

Jablonski, L.A. 1968, *Groundwater Resources of Monmouth County, New Jersey.* USGS Special Report 23. USGS, Washington, DC.

Minard, J.P. 1969. *Geology of Sandy Hook Quadrangle in Monmouth County, New Jersey*. U.S. Government Printing Office, Washington, DC.

New Jersey Geological Survey Map, 1994

NJDEP (New Jersey Department of Environmental Protection). *Technical Requirements for Site Remediation* (July 1999), NJAC 7:26E, et seq.

NJDEP, *Site Remediation News*, (Spring 1995),Vol. 7, No. 2.

*Soil Survey of Monmouth County, New Jersey*, USDA Soil Conservation Service, 1989.

USATHAMA (U.S. Army Toxic and Hazardous Materials Agency), 1980. *Installation Assessment of Fort Monmouth*. Report 171. May 1980.

USEPA (U.S. Environmental Protection Agency) Code of Federal Regulations. *Solid Waste Disposal Act of 1965* (Pub. L. 89-272) as amended by the *Resource Recovery Act of 1970* (Pub. L. 91-512)

USGS (U.S. Geological Survey). Long Branch Quadrangle Map, 1981

WESTON (Roy F. Weston, Inc.) 1993. *Investigation of Suspected Hazardous Waste Sites at Fort Monmouth, New Jersey*.

WESTON (Roy F. Weston, Inc.) *Site Investigation Report - Main Post and Charles Wood Areas, Fort Monmouth, New Jersey*. December 1995.

Zapecza, O. 1989. *Hydrogeologic Framework of the New Jersey Coastal Plain.* USGS Professional Paper 1404-B. U.S. Government Printing Office, Washington, DC.

# TABLES

Table 3-1
Soil Sample Collection Summary
M-5 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") | 3465.03 | (6-12") | 4/8/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B01 | B01 (24") | 3465.04 | (24") | 4/8/1998 | Soil | VOCs | Method 8260 |
| B02 | B02 (6-12") | 3465.07 | (6-12") | 4/8/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B02 | B02 (24") | 3465.08 | (24") | 4/8/1998 | Soil | VOCs | Method 8260 |
| B03 | B03 (6-12") | 3465.11 | (6-12") | 4/8/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B03 | B03 (24") | 3465.12 | (24") | 4/8/1998 | Soil | VOCs | Method 8260 |
| B04 | B04 (6-12") | 3470.03 | (6-12") | 4/9/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B04 | B04 (24") | 3470.04 | (24") | 4/9/1998 | Soil | VOCs | Method 8260 |
| B05 | B05 (6-12") | 3470.07 | (6-12") | 4/9/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B05 | B05 (24") | 3470.08 | (24") | 4/9/1998 | Soil | VOCs | Method 8260 |
| B06 | B06 (6-12") | 3470.11 | (6-12") | 4/9/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B06 | B06 (24") | 3470.12 | (24") | 4/9/1998 | Soil | VOCs | Method 8260 |
| B07 | B07 (6-12") | 3470.15 | (6-12") | 4/9/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B07 | B07 (24") | 3470.16 | (24") | 4/9/1998 | Soil | VOCs | Method 8260 |
| B08 | B08 (6-12") | 3472.03 | (6-12") | 4/10/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B08 | B08 (24") | 3472.04 | (24") | 4/10/1998 | Soil | VOCs | Method 8260 |
| B09 | B09 (6-12") | 3472.07 | (6-12") | 4/10/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B09 | B09 (24") | 3472.08 | (24") | 4/10/1998 | Soil | VOCs | Method 8260 |
| B10 | B10 (6-12") | 3472.11 | (6-12") | 4/10/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B10 | B10 (24") | 3472.12 | (24") | 4/10/1998 | Soil | VOCs | Method 8260 |
| B11 | B11 (6-12") | 3473.03 | (6-12") | 4/11/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B11 | B11 (24") | 3473.04 | (24") | 4/11/1998 | Soil | VOCs | Method 8260 |
| B12 | B12 (6-12") | 3473.07 | (6-12") | 4/11/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B12 | B12 (24") | 3473.08 | (24") | 4/11/1998 | Soil | VOCs | Method 8260 |
| B13 | B13 (6-12") | 3473.11 | (6-12") | 4/11/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B13 | B13 (24") | 3473.12 | (24") | 4/11/1998 | Soil | VOCs | Method 8260 |
| B14 | B14 (6-12") | 3473.15 | (6-12") | 4/11/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B14 | B14 (24") | 3473.16 | (24") | 4/11/1998 | Soil | VOCs | Method 8260 |
| B15 | B15 (6-12") | 3473.19 | (6-12") | 4/11/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B15 | B15 (24") | 3473.20 | (24") | 4/11/1998 | Soil | VOCs | Method 8260 |
| B16 | B16 (6-12") | 3477.03 | (6-12") | 4/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B16 | B16 (24") | 3477.04 | (24") | 4/13/1998 | Soil | VOCs | Method 8260 |
| B17 | B17 (6-12") | 3477.07 | (6-12") | 4/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B17 | B17 (24") | 3477.08 | (24") | 4/13/1998 | Soil | VOCs | Method 8260 |
| B18 | B18 (6-12") | 3477.11 | (6-12") | 4/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B18 | B18 (24") | 3477.12 | (24") | 4/13/1998 | Soil | VOCs | Method 8260 |
| B19 | B19 (6-12") | 3477.15 | (6-12") | 4/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B19 | B19 (24") | 3477.16 | (24") | 4/13/1998 | Soil | VOCs | Method 8260 |
| B20 | B20 (6-12") | 3479.03 | (6-12") | 4/14/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B20 | B20 (24") | 3479.04 | (24") | 4/14/1998 | Soil | VOCs | Method 8260 |

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

Table 3-1
Soil Sample Collection Summary
M-5 Landfill
Fort Monmouth, New Jersey

| Boring ID | Field Sample ID | Lab Sample ID | Depth | Date Collected | Matrix | Analytical Parameters | Analytical Methods |
|---|---|---|---|---|---|---|---|
| B21 | B21 (6-12") | 3479.07 | (6-12") | 4/14/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B21 | B21 (24") | 3479.08 | (24") | 4/14/1998 | Soil | VOCs | Method 8260 |
| B22 | B22 (6-12") | 3479.11 | (6-12") | 4/14/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B22 | B22 (24") | 3479.12 | (24") | 4/14/1998 | Soil | VOCs | Method 8260 |
| B23 | B23 (6-12") | 3485.03 | (6-12") | 4/15/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B23 | B23 (24") | 3485.04 | (24") | 4/15/1998 | Soil | VOCs | Method 8260 |
| B24 | B24 (6-12") | 3485.07 | (6-12") | 4/15/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B24 | B24 (24") | 3485.08 | (24") | 4/15/1998 | Soil | VOCs | Method 8260 |
| B25 | B25 (6-12") | 3485.11 | (6-12") | 4/15/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B25 | B25 (24") | 3485.12 | (24") | 4/15/1998 | Soil | VOCs | Method 8260 |
| B26 | B26 (6-12") | 3485.15 | (6-12") | 4/15/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B26 | B26 (24") | 3485.16 | (24") | 4/15/1998 | Soil | VOCs | Method 8260 |
| B27 | B27 (6-12") | 3498.03 | (6-12") | 4/20/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B27 | B27 (24") | 3498.04 | (24") | 4/20/1998 | Soil | VOCs | Method 8260 |
| B28 | B28 (6-12") | 3498.07 | (6-12") | 4/20/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B28 | B28 (24") | 3498.08 | (24") | 4/20/1998 | Soil | VOCs | Method 8260 |
| B29 | B29 (6-12") | 3498.11 | (6-12") | 4/20/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B29 | B29 (24") | 3498.12 | (24") | 4/20/1998 | Soil | VOCs | Method 8260 |
| B30 | B30 (6-12") | 3498.15 | (6-12") | 4/20/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B30 | B30 (24") | 3498.16 | (24") | 4/20/1998 | Soil | VOCs | Method 8260 |
| B31 | B31 (6-12") | 3500.02 | (6-12") | 4/21/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B31 | B31 (24") | 3500.03 | (24") | 4/21/1998 | Soil | VOCs | Method 8260 |
| B32 | B32 (6-12") | 3500.06 | (6-12") | 4/21/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B32 | B32 (24") | 3500.07 | (24") | 4/21/1998 | Soil | VOCs | Method 8260 |
| B33 | B33 (6-12") | 3500.10 | (6-12") | 4/21/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B33 | B33 (24") | 3500.11 | (24") | 4/21/1998 | Soil | VOCs | Method 8260 |
| B34 | B34 (6-12") | 3500.14 | (6-12") | 4/21/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B34 | B34 (24") | 3500.15 | (24") | 4/21/1998 | Soil | VOCs | Method 8260 |
| B35 | B35 (6-12") | 3500.18 | (6-12") | 4/21/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B35 | B35 (24") | 3500.19 | (24") | 4/21/1998 | Soil | VOCs | Method 8260 |
| B36 | B36 (6-12") | 3501.02 | (6-12") | 4/22/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B36 | B36 (24") | 3501.03 | (24") | 4/22/1998 | Soil | VOCs | Method 8260 |
| B37 | B37 (6-12") | 3501.06 | (6-12") | 4/22/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B37 | B37 (24") | 3501.07 | (24") | 4/22/1998 | Soil | VOCs | Method 8260 |
| B38 | B38 (6-12") | 3501.10 | (6-12") | 4/22/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B38 | B38 (24") | 3501.11 | (24") | 4/22/1998 | Soil | VOCs | Method 8260 |
| B39 | B39 (6-12") | 3501.14 | (6-12") | 4/22/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B39 | B39 (24") | 3501.15 | (24") | 4/22/1998 | Soil | VOCs | Method 8260 |
| B40 | B40 (6-12") | 3501.18 | (6-12") | 4/22/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B40 | B40 (24") | 3501.19 | (24") | 4/22/1998 | Soil | VOCs | Method 8260 |

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

Table 3-1
Soil Sample Collection Summary
M-5 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") | 3539.02 | (6-12") | 5/1/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B41 | B41 (24") | 3539.03 | (24") | 5/1/1998 | Soil | VOCs | Method 8260 |
| B42 | B42 (6-12") | 3539.06 | (6-12") | 5/1/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B42 | B42 (24") | 3539.07 | (24") | 5/1/1998 | Soil | VOCs | Method 8260 |
| B43 | B43 (6-12") | 3543.02 | (6-12") | 5/1/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B43 | B43 (24") | 3543.03 | (24") | 5/1/1998 | Soil | VOCs | Method 8260 |
| B44 | B44 (6-12") | 3543.06 | (6-12") | 5/1/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B44 | B44 (24") | 3543.07 | (24") | 5/1/1998 | Soil | VOCs | Method 8260 |
| B45 | B45 (6-12") | 3543.10 | (6-12") | 5/1/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B45 | B45 (24") | 3543.11 | (24") | 5/1/1998 | Soil | VOCs | Method 8260 |
| B46 | B46 (6-12") | 3543.14 | (6-12") | 5/1/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B46 | B46 (24") | 3543.15 | (24") | 5/1/1998 | Soil | VOCs | Method 8260 |
| B47 | B47 (6-12") | 3547.02 | (6-12") | 5/5/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B47 | B47 (24") | 3547.03 | (24") | 5/5/1998 | Soil | VOCs | Method 8260 |
| B48 | B48 (6-12") | 3547.06 | (6-12") | 5/5/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B48 | B48 (24") | 3547.07 | (24") | 5/5/1998 | Soil | VOCs | Method 8260 |
| B49 | B49 (6-12") | 3547.10 | (6-12") | 5/5/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B49 | B49 (24") | 3547.11 | (24") | 5/5/1998 | Soil | VOCs | Method 8260 |
| B50 | B50 (6-12") | 3547.14 | (6-12") | 5/5/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B50 | B50 (24") | 3547.15 | (24") | 5/5/1998 | Soil | VOCs | Method 8260 |
| B51 | B51 (6-12") | 3547.18 | (6-12") | 5/5/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B51 | B51 (24") | 3547.19 | (24") | 5/5/1998 | Soil | VOCs | Method 8260 |
| B52 | B52 (6-12") | 3550.03 | (6-12") | 5/6/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B52 | B52 (24") | 3550.04 | (24") | 5/6/1998 | Soil | VOCs | Method 8260 |
| B53 | B53 (6-12") | 3550.07 | (6-12") | 5/6/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B53 | B53 (24") | 3550.08 | (24") | 5/6/1998 | Soil | VOCs | Method 8260 |
| B54 | B54 (6-12") | 3550.11 | (6-12") | 5/6/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B54 | B54 (24") | 3550.12 | (24") | 5/6/1998 | Soil | VOCs | Method 8260 |
| B55 | B55 (6-12") | 3550.15 | (6-12") | 5/6/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B55 | B55 (24") | 3550.16 | (24") | 5/6/1998 | Soil | VOCs | Method 8260 |
| B56 | B56 (6-12") | 3561.02 | (6-12") | 5/11/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B56 | B56 (24") | 3561.03 | (24") | 5/11/1998 | Soil | VOCs | Method 8260 |
| B57 | B57 (6-12") | 3561.06 | (6-12") | 5/11/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B57 | B57 (24") | 3561.07 | (24") | 5/11/1998 | Soil | VOCs | Method 8260 |
| B58 | B58 (6-12") | 3561.10 | (6-12") | 5/11/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B58 | B58 (24") | 3561.11 | (24") | 5/11/1998 | Soil | VOCs | Method 8260 |
| B59 | B59 (6-12") | 3561.14 | (6-12") | 5/11/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B59 | B59 (24") | 3561.15 | (24") | 5/11/1998 | Soil | VOCs | Method 8260 |
| B60 | B60 (6-12") | 3567.02 | (6-12") | 5/14/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B60 | B60 (24") | 3567.03 | (24") | 5/14/1998 | Soil | VOCs | Method 8260 |

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

Table 3-1
Soil Sample Collection Summary
M-5 Landfill
Fort Monmouth, New Jersey

| Boring ID | Field Sample ID | Lab Sample ID | Depth | Date Collected | Matrix | Analytical Parameters | Analytical Methods |
|---|---|---|---|---|---|---|---|
| B61 | B61 (6-12") | 3567.06 | (6-12") | 5/14/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B61 | B61 (24") | 3567.07 | (24") | 5/14/1998 | Soil | VOCs | Method 8260 |
| B62 | B62 (6-12") | 3567.10 | (6-12") | 5/14/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B62 | B62 (24") | 3567.11 | (24") | 5/14/1998 | Soil | VOCs | Method 8260 |
| B63 | B63 (6-12") | 3567.14 | (6-12") | 5/14/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B63 | B63 (20") | 3567.15 | (20") | 5/14/1998 | Soil | VOCs | Method 8260 |
| B63 | B63 (24") | 3567.16 | (24") | 5/14/1998 | Soil | VOCs | Method 8260 |
| B64 | B64 (6-12") | 3567.19 | (6-12") | 5/14/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B64 | B64 (24") | 3567.20 | (24") | 5/14/1998 | Soil | VOCs | Method 8260 |
| B65 | B65 (6-12") | 3571.02 | (6-12") | 5/15/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B65 | B65 (24") | 3571.03 | (24") | 5/15/1998 | Soil | VOCs | Method 8260 |
| B66 | B66 (6-12") | 3571.06 | (6-12") | 5/15/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B66 | B66 (24") | 3571.07 | (24") | 5/15/1998 | Soil | VOCs | Method 8260 |
| B67 | B67 (6-12") | 3571.10 | (6-12") | 5/15/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B67 | B67 (24") | 3571.11 | (24") | 5/15/1998 | Soil | VOCs | Method 8260 |
| B68 | B68 (6-12") | 3571.13 | (6-12") | 5/15/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B68 | B68 (24") | 3571.14 | (24") | 5/15/1998 | Soil | VOCs | Method 8260 |
| B69 | B69 (6-12") | 3571.17 | (6-12") | 5/15/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B69 | B69 (24") | 3571.18 | (24") | 5/15/1998 | Soil | VOCs | Method 8260 |
| B70 | B70 (6-12") | 3576.02 | (6-12") | 5/18/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B70 | B70 (24") | 3576.03 | (24") | 5/18/1998 | Soil | VOCs | Method 8260 |
| B71 | B71 (6-12") | 3576.06 | (6-12") | 5/18/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B71 | B71 (24") | 3576.07 | (24") | 5/18/1998 | Soil | VOCs | Method 8260 |
| B72 | B72 (6-12") | 3576.10 | (6-12") | 5/18/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B72 | B72 (24") | 3576.11 | (24") | 5/18/1998 | Soil | VOCs | Method 8260 |
| B73 | B73 (6-12") | 3576.14 | (6-12") | 5/18/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B73 | B73 (24") | 3576.15 | (24") | 5/18/1998 | Soil | VOCs | Method 8260 |
| B74 | B74 (6-12") | 3580.02 | (6-12") | 5/19/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B74 | B74 (24") | 3580.03 | (24") | 5/19/1998 | Soil | VOCs | Method 8260 |
| B75 | B75 (6-12") | 3580.05 | (6-12") | 5/19/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B75 | B75 (24") | 3580.06 | (24") | 5/19/1998 | Soil | VOCs | Method 8260 |
| B76 | B76 (6-12") | 3580.08 | (6-12") | 5/19/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B76 | B76 (24") | 3580.09 | (24") | 5/19/1998 | Soil | VOCs | Method 8260 |
| B77 | B77 (6-12") | 3580.11 | (6-12") | 5/19/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B77 | B77 (24") | 3580.12 | (24") | 5/19/1998 | Soil | VOCs | Method 8260 |
| B78 | B78 (6-12") | 3580.14 | (6-12") | 5/19/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B78 | B78 (24") | 3580.15 | (24") | 5/19/1998 | Soil | VOCs | Method 8260 |
| B79 | B79 (6-12") | 3580.18 | (6-12") | 5/19/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B79 | B79 (24") | 3580.19 | (24") | 5/19/1998 | Soil | VOCs | Method 8260 |
| B80 | B80 (6-12") | 3580.22 | (6-12") | 5/19/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |

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

Table 3-1
Soil Sample Collection Summary
M-5 Landfill
Fort Monmouth, New Jersey

| Boring ID | Field Sample ID | Lab Sample ID | Depth | Date Collected | Matrix | Analytical Parameters | Analytical Methods |
|---|---|---|---|---|---|---|---|
| B80 | B80 (24") | 3580.23 | (24") | 5/19/1998 | Soil | VOCs | Method 8260 |
| B81 | B81 (6-12") | 3580.26 | (6-12") | 5/19/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B81 | B81 (24") | 3580.27 | (24") | 5/19/1998 | Soil | VOCs | Method 8260 |
| B82 | B82 (6-12") | 3580.30 | (6-12") | 5/19/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B82 | B82 (24") | 3580.31 | (24") | 5/19/1998 | Soil | VOCs | Method 8260 |
| B83 | B83 (6-12") | 3580.34 | (6-12") | 5/19/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B83 | B83 (24") | 3580.35 | (24") | 5/19/1998 | Soil | VOCs | Method 8260 |
| B84 | B84 (6-12") | 3584.02 | (6-12") | 5/20/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B84 | B84 (24") | 3584.03 | (24") | 5/20/1998 | Soil | VOCs | Method 8260 |
| B85 | B85 (6-12") | 3584.06 | (6-12") | 5/20/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B85 | B85 (24") | 3584.07 | (24") | 5/20/1998 | Soil | VOCs | Method 8260 |
| B86 | B86 (6-12") | 3584.10 | (6-12") | 5/20/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B86 | B86 (24") | 3584.11 | (24") | 5/20/1998 | Soil | VOCs | Method 8260 |
| B87 | B87 (6-12") | 3584.14 | (6-12") | 5/20/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B87 | B87 (24") | 3584.15 | (24") | 5/20/1998 | Soil | VOCs | Method 8260 |
| B88 | B88 (6-12") | 3584.18 | (6-12") | 5/20/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B88 | B88 (24") | 3584.19 | (24") | 5/20/1998 | Soil | VOCs | Method 8260 |
| B89 | B89 (6-12") | 3584.22 | (6-12") | 5/20/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B89 | B89 (24") | 3584.23 | (24") | 5/20/1998 | Soil | VOCs | Method 8260 |
| B90 | B90 (6-12") | 3584.26 | (6-12") | 5/20/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B90 | B90 (24") | 3584.27 | (24") | 5/20/1998 | Soil | VOCs | Method 8260 |
| B91 | B91 (6-12") | 3584.30 | (6-12") | 5/20/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B91 | B91 (24") | 3584.31 | (24") | 5/20/1998 | Soil | VOCs | Method 8260 |
| B92 | B92 (6-12") | 3584.34 | (6-12") | 5/20/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B92 | B92 (24") | 3584.35 | (24") | 5/20/1998 | Soil | VOCs | Method 8260 |
| B93 | B93 (6-12") | 3588.02 | (6-12") | 5/21/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B93 | B93 (24") | 3588.03 | (24") | 5/21/1998 | Soil | VOCs | Method 8260 |
| B94 | B94 (6-12") | 3588.06 | (6-12") | 5/21/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B94 | B94 (24") | 3588.07 | (24") | 5/21/1998 | Soil | VOCs | Method 8260 |
| B95 | B95 (6-12") | 3588.10 | (6-12") | 5/21/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B95 | B95 (24") | 3588.11 | (24") | 5/21/1998 | Soil | VOCs | Method 8260 |
| B96 | B96 (6-12") | 3588.14 | (6-12") | 5/21/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B96 | B96 (24") | 3588.15 | (24") | 5/21/1998 | Soil | VOCs | Method 8260 |
| B97 | B97 (6-12") | 3588.18 | (6-12") | 5/21/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B97 | B97 (24") | 3588.19 | (24") | 5/21/1998 | Soil | VOCs | Method 8260 |
| B98 | B98 (6-12") | 3588.22 | (6-12") | 5/21/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B98 | B98 (24") | 3588.23 | (24") | 5/21/1998 | Soil | VOCs | Method 8260 |
| B99 | B99 (6-12") | 3593.02 | (6-12") | 5/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B99 | B99 (24") | 3593.03 | (24") | 5/26/1998 | Soil | VOCs | Method 8260 |
| B158 | B158 (6-12") | 3665.12 | (6-12") | 6/17/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |

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

Table 3-1
Soil Sample Collection Summary
M-5 Landfill
Fort Monmouth, New Jersey

| Boring ID | Field Sample ID | Lab Sample ID | Depth | Date Collected | Matrix | Analytical Parameters | Analytical Methods |
|---|---|---|---|---|---|---|---|
| B158 | B158 (24") | 3665.13 | (24") | 6/17/1998 | Soil | VOCs | Method 8260 |
| B159 | B159 (6-12") | 3665.16 | (6-12") | 6/17/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B159 | B159 (24") | 3665.17 | (24") | 6/17/1998 | Soil | VOCs | Method 8260 |
| B160 | B160 (6-12") | 3665.19 | (6-12") | 6/17/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B160 | B160 (24") | 3665.20 | (24") | 6/17/1998 | Soil | VOCs | Method 8260 |
| B161 | B161 (6-12") | 3665.22 | (6-12") | 6/17/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B161 | B161 (24") | 3665.23 | (24") | 6/17/1998 | Soil | VOCs | Method 8260 |
| B162 | B162 (6-12") | 3686.04 | (6-12") | 6/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B162 | B162 (17") | 3686.05 | (17") | 6/26/1998 | Soil | VOCs | Method 8260 |
| B163 | B163 (6-12") | 3686.07 | (6-12") | 6/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B163 | B163 (19") | 3686.08 | (19") | 6/26/1998 | Soil | VOCs | Method 8260 |
| B164 | B164 (6-12") | 3686.10 | (6-12") | 6/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B164 | B164 (24") | 3686.11 | (24") | 6/26/1998 | Soil | VOCs | Method 8260 |
| B165 | B165 (6-12") | 3688.02 | (6-12") | 6/29/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B165 | B165 (24") | 3688.03 | (24") | 6/29/1998 | Soil | VOCs | Method 8260 |
| B166 | B166 (6-12") | 3688.06 | (6-12") | 6/29/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B166 | B166 (24") | 3688.07 | (24") | 6/29/1998 | Soil | VOCs | Method 8260 |
| B167 | B167 (6-12") | 3688.09 | (6-12") | 6/29/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B167 | B167 (24") | 3688.10 | (24") | 6/29/1998 | Soil | VOCs | Method 8260 |
| B168 | B168 (6-12") | 3688.12 | (6-12") | 6/29/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B168 | B168 (24") | 3688.13 | (24") | 6/29/1998 | Soil | VOCs | Method 8260 |
| B169 | B169 (6-12") | 3688.15 | (6-12") | 6/29/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B169 | B169 (24") | 3688.16 | (24") | 6/29/1998 | Soil | VOCs | Method 8260 |
| B178 | B178 (6-12") | 3722.12 | (6-12") | 7/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B178 | B178 (24") | 3722.13 | (24") | 7/13/1998 | Soil | VOCs | Method 8260 |
| B179 | B179 (6-12") | 3722.15 | (6-12") | 7/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B179 | B179 (24") | 3722.16 | (24") | 7/13/1998 | Soil | VOCs | Method 8260 |
| B180 | B180 (6-12") | 3722.18 | (6-12") | 7/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B180 | B180 (24") | 3722.19 | (24") | 7/13/1998 | Soil | VOCs | Method 8260 |
| B181 | B181 (6-12") | 3722.21 | (6-12") | 7/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B181 | B181 (24") | 3722.22 | (24") | 7/13/1998 | Soil | VOCs | Method 8260 |
| B197 | B197 (6-12") | 3805.02 | (6-12") | 8/12/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B197 | B197 (24") | 3805.03 | (24") | 8/12/1998 | Soil | VOCs | Method 8260 |
| B198 | B198 (6-12") | 3805.04 | (6-12") | 8/12/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B198 | B198 (24") | 3805.05 | (24") | 8/12/1998 | Soil | VOCs | Method 8260 |
| B199 | B199 (6-12") | 3805.06 | (6-12") | 8/12/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B199 | B199 (24") | 3805.07 | (24") | 8/12/1998 | Soil | VOCs | Method 8260 |
| B200 | B200 (6-12") | 3805.08 | (6-12") | 8/12/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B200 | B200 (24") | 3805.09 | (24") | 8/12/1998 | Soil | VOCs | Method 8260 |
| B201 | B201 (6-12") | 3805.10 | (6-12") | 8/12/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |

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

Table 3-1
Soil Sample Collection Summary
M-5 Landfill
Fort Monmouth, New Jersey

| Boring ID | Field Sample ID | Lab Sample ID | Depth | Date Collected | Matrix | Analytical Parameters | Analytical Methods |
|---|---|---|---|---|---|---|---|
| B201 | B201 (24") | 3805.11 | (24") | 8/12/1998 | Soil | VOCs | Method 8260 |
| B202 | B202 (6-12") | 3805.12 | (6-12") | 8/12/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B202 | B202 (24") | 3805.13 | (24") | 8/12/1998 | Soil | VOCs | Method 8260 |
| B203 | B203 (6-12") | 3805.14 | (6-12") | 8/12/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B203 | B203 (24") | 3805.15 | (24") | 8/12/1998 | Soil | VOCs | Method 8260 |
| B204 | B204 (6-12") | 3805.16 | (6-12") | 8/12/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B204 | B204 (24") | 3805.17 | (24") | 8/12/1998 | Soil | VOCs | Method 8260 |
| B205 | B205 (6-12") | 3805.18 | (6-12") | 8/12/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B205 | B205 (24") | 3805.19 | (24") | 8/12/1998 | Soil | VOCs | Method 8260 |
| B206 | B206 (6-12") | 3805.20 | (6-12") | 8/12/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B206 | B206 (24") | 3805.21 | (24") | 8/12/1998 | Soil | VOCs | Method 8260 |
| B207 | B207 (6-12") | 3805.22 | (6-12") | 8/12/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B207 | B207 (24") | 3805.23 | (24") | 8/12/1998 | Soil | VOCs | Method 8260 |
| B208 | B208 (6-12") | 3805.24 | (6-12") | 8/12/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B208 | B208 (24") | 3805.25 | (24") | 8/12/1998 | Soil | VOCs | Method 8260 |
| B209 | B209 (6-12") | 3805.26 | (6-12") | 8/12/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B209 | B209 (24") | 3805.27 | (24") | 8/12/1998 | Soil | VOCs | Method 8260 |
| B210 | B210 (6-12") | 3805.28 | (6-12") | 8/12/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B210 | B210 (24") | 3805.29 | (24") | 8/12/1998 | Soil | VOCs | Method 8260 |
| B211 | B211 (6-12") | 3805.30 | (6-12") | 8/12/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B211 | B211 (24") | 3805.31 | (24") | 8/12/1998 | Soil | VOCs | Method 8260 |
| B212 | B212 (6-12") | 3809.02 | (6-12") | 8/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B212 | B212 (24") | 3809.03 | (24") | 8/13/1998 | Soil | VOCs | Method 8260 |
| B213 | B213 (6-12") | 3809.04 | (6-12") | 8/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B213 | B213 (24") | 3809.05 | (24") | 8/13/1998 | Soil | VOCs | Method 8260 |
| B214 | B214 (6-12") | 3809.06 | (6-12") | 8/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B214 | B214 (24") | 3809.07 | (24") | 8/13/1998 | Soil | VOCs | Method 8260 |
| B215 | B215 (6-12") | 3809.08 | (6-12") | 8/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B215 | B215 (24") | 3809.09 | (24") | 8/13/1998 | Soil | VOCs | Method 8260 |
| B216 | B216 (6-12") | 3809.10 | (6-12") | 8/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B216 | B216 (24") | 3809.11 | (24") | 8/13/1998 | Soil | VOCs | Method 8260 |
| B217 | B217 (6-12") | 3809.12 | (6-12") | 8/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B217 | B217 (24") | 3809.13 | (24") | 8/13/1998 | Soil | VOCs | Method 8260 |
| B218 | B218 (6-12") | 3809.14 | (6-12") | 8/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B218 | B218 (24") | 3809.15 | (24") | 8/13/1998 | Soil | VOCs | Method 8260 |
| B219 | B219 (6-12") | 3809.16 | (6-12") | 8/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B219 | B219 (24") | 3809.17 | (24") | 8/13/1998 | Soil | VOCs | Method 8260 |
| B220 | B220 (6-12") | 3809.18 | (6-12") | 8/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B220 | B220 (24") | 3809.19 | (24") | 8/13/1998 | Soil | VOCs | Method 8260 |
| B221 | B221 (6-12") | 3809.20 | (6-12") | 8/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |

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

Table 3-1
Soil Sample Collection Summary
M-5 Landfill
Fort Monmouth, New Jersey

| Boring ID | Field Sample ID | Lab Sample ID | Depth | Date Collected | Matrix | Analytical Parameters | Analytical Methods |
|---|---|---|---|---|---|---|---|
| B221 | B221 (24") | 3809.21 | (24") | 8/13/1998 | Soil | VOCs | Method 8260 |
| B222 | B222 (6-12") | 3809.22 | (6-12") | 8/13/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B222 | B222 (24") | 3809.23 | (24") | 8/13/1998 | Soil | VOCs | Method 8260 |
| B223 | B223 (6-12") | 3812.02 | (6-12") | 8/14/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B223 | B223 (24") | 3812.03 | (24") | 8/14/1998 | Soil | VOCs | Method 8260 |
| B224 | B224 (6-12") | 3812.04 | (6-12") | 8/14/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B224 | B224 (24") | 3812.05 | (24") | 8/14/1998 | Soil | VOCs | Method 8260 |
| B225 | B225 (6-12") | 3812.06 | (6-12") | 8/14/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B225 | B225 (24") | 3812.07 | (24") | 8/14/1998 | Soil | VOCs | Method 8260 |
| B226 | B226 (6-12") | 3812.08 | (6-12") | 8/14/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B226 | B226 (24") | 3812.09 | (24") | 8/14/1998 | Soil | VOCs | Method 8260 |
| B227 | B227 (6-12") | 3812.10 | (6-12") | 8/14/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B227 | B227 (24") | 3812.11 | (24") | 8/14/1998 | Soil | VOCs | Method 8260 |
| B228 | B228 (6-12") | 3812.12 | (6-12") | 8/14/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B228 | B228 (24") | 3812.13 | (24") | 8/14/1998 | Soil | VOCs | Method 8260 |
| B229 | B229 (6-12") | 3812.14 | (6-12") | 8/14/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B229 | B229 (24") | 3812.15 | (24") | 8/14/1998 | Soil | VOCs | Method 8260 |
| B230 | B230 (6-12") | 3812.16 | (6-12") | 8/14/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B230 | B230 (24") | 3812.17 | (24") | 8/14/1998 | Soil | VOCs | Method 8260 |
| B231 | B231 (6-12") | 3812.18 | (6-12") | 8/14/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B231 | B231 (24") | 3812.19 | (24") | 8/14/1998 | Soil | VOCs | Method 8260 |
| B232 | B232 (6-12") | 3827.02 | (6-12") | 8/25/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B232 | B232 (24") | 3827.03 | (24") | 8/25/1998 | Soil | VOCs | Method 8260 |
| B233 | B233 (6-12") | 3827.04 | (6-12") | 8/25/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B233 | B233 (24") | 3827.05 | (24") | 8/25/1998 | Soil | VOCs | Method 8260 |
| B234 | B234 (6-12") | 3827.06 | (6-12") | 8/25/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B234 | B234 (24") | 3827.07 | (24") | 8/25/1998 | Soil | VOCs | Method 8260 |
| B235 | B235 (6-12") | 3827.08 | (6-12") | 8/25/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B235 | B235 (24") | 3827.09 | (24") | 8/25/1998 | Soil | VOCs | Method 8260 |
| B236 | B236 (6-12") | 3827.10 | (6-12") | 8/25/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B236 | B236 (24") | 3827.11 | (24") | 8/25/1998 | Soil | VOCs | Method 8260 |
| B237 | B237 (6-12") | 3836.02 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B237 | B237 (24") | 3836.03 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |
| B238 | B238 (6-12") | 3836.04 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B238 | B238 (24") | 3836.05 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |
| B239 | B239 (6-12") | 3836.06 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B239 | B239 (24") | 3836.07 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |
| B240 | B240 (6-12") | 3836.08 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B240 | B240 (24") | 3836.09 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |
| B241 | B241 (6-12") | 3836.10 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |

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

Table 3-1
Soil Sample Collection Summary
M-5 Landfill
Fort Monmouth, New Jersey

| Boring ID | Field Sample ID | Lab Sample ID | Depth | Date Collected | Matrix | Analytical Parameters | Analytical Methods |
|---|---|---|---|---|---|---|---|
| B241 | B241 (24") | 3836.11 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |
| B242 | B242 (6-12") | 3836.12 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B242 | B242 (24") | 3836.13 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |
| B243 | B243 (6-12") | 3836.14 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B243 | B243 (24") | 3836.15 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |
| B244 | B244 (6-12") | 3836.16 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B244 | B244 (24") | 3836.17 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |
| B245 | B245 (6-12") | 3836.18 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B245 | B245 (24") | 3836.19 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |
| B246 | B246 (6-12") | 3836.20 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B246 | B246 (24") | 3836.21 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |
| B247 | B247 (6-12") | 3836.22 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B247 | B247 (24") | 3836.23 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |
| B248 | B248 (6-12") | 3836.24 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B248 | B248 (24") | 3836.25 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |
| B249 | B249 (6-12") | 3836.26 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B249 | B249 (24") | 3836.27 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |
| B250 | B250 (6-12") | 3836.28 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B250 | B250 (24") | 3836.29 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |
| B251 | B251 (6-12") | 3836.30 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B251 | B251 (24") | 3836.31 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |
| B252 | B252 (6-12") | 3836.32 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B252 | B252 (24") | 3836.33 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |
| B253 | B253 (6-12") | 3836.34 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B253 | B253 (24") | 3836.35 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |
| B254 | B254 (6-12") | 3836.36 | (6-12") | 8/26/1998 | Soil | SVOCs; Pesticides/PCBs; TAL Metals | Method 8270; Method 8080; Methods 3151, 6010B, and 7471A |
| B254 | B254 (24") | 3836.37 | (24") | 8/26/1998 | Soil | VOCs | Method 8260 |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP Cleanup Criteria | 3465.03 | | 3465.04 | | 3465.07 | | 3465.08 | | 3465.11 | | 3465.12 | | 3470.03 | | 3470.04 | | 3470.07 | | 3470.08 | | 3470.11 | | 3470.12 | | 3470.15 | | 3470.16 | | 3472.03 | | 3472.04 | | 3472.07 | | 3472.08 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | | B01 (6-12") | | B01 (24") | | B02 (6-12") | | B02 (24") | | B03 (6-12") | | B03 (24") | | B04 (6-12") | | B04 (24") | | B05 (6-12") | | B05 (24") | | B06 (6-12") | | B06 (24") | | B07 (6-12") | | B07 (24") | | B08 (6-12") | | B08 (24") | | B09 (6-12") | | B09 (24") | |
| Sample Date | (mg/kg) | 4/8/1998 | | 4/8/1998 | | 4/8/1998 | | 4/8/1998 | | 4/8/1998 | | 4/8/1998 | | 4/9/1998 | | 4/9/1998 | | 4/9/1998 | | 4/9/1998 | | 4/9/1998 | | 4/9/1998 | | 4/9/1998 | | 4/9/1998 | | 4/10/1998 | | 4/10/1998 | | 4/10/1998 | | 4/10/1998 | |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Chloroform | 19 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Methylene Chloride | 49 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Tetrachloroethene | 4 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Toluene | 1000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | .5J | | | | 0.68J | | | | ND | | | | ND | | | |
| 4-Methylphenol | 2800 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Naphthalene | 230 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| 2-Methylnaphthalene | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.14J | | | |
| Dimethylphthalate | 10,000 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Acenaphthylene | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Acenaphthene | 3400 | 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 | | | |
| Fluorene | 2300 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| n-Nitrosodiphenylamine | 140 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Phenanthrene | NLE | 0.16J | | | | ND | | | | ND | | | | ND | | | | 0.28 | | | | ND | | | | 1.7 | | | | 0.15J | | | | 0.68 | | | |
| Anthracene | 10,000 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.3 | | | | ND | | | | ND | | | |
| Di-n-butylphthalate | 5700 | 0. | | | | 0.03 | | | | 0. | | | | 0. | | | | 0.01 | | | | 0.01 | | | | 0.02 | | | | 0. | | | | 0.01 | | | |
| Fluoranthene | 2300 | 0.17J | | | | ND | | | | ND | | | | ND | | | | 0.31 | | | | ND | | | | 2.1 | | | | ND | | | | 1.1 | | | |
| Pyrene | 1700 | 0.28 | | | | ND | | | | ND | | | | ND | | | | 0.41 | | | | ND | | | | 1.6 | | | | 0.15J | | | | 0.88 | | | |
| Butylbenzylphthalate | 1100 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Benzo[a]anthracene | 0.9 | 0.12J | | | | ND | | | | ND | | | | ND | | | | 0.18J | | | | ND | | | | **0.99** | | | | 0.36 | | | | 0.2J | | | |
| 3,3'-Dichlorobenzidine | 2 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Chrysene | 9 | 0.23J | | | | ND | | | | ND | | | | ND | | | | 0.37 | | | | ND | | | | 1.5 | | | | 0.49 | | | | 0.28J | | | |
| bis(2-Ethylhexyl)phthalate | 49 | 0.1J | | | | 0.73J | | | | 0.11J | | | | 0.11J | | | | ND | | | | 0.17J | | | | ND | | | | 0.15J | | | | ND | | | |
| Benzo[b]fluoranthene | 0.9 | ND | | | | ND | | | | ND | | | | ND | | | | 0.17J | | | | ND | | | | 0.89 | | | | 0.16J | | | | 0.6 | | | |
| Benzo[k]fluoranthene | 0.9 | ND | | | | ND | | | | ND | | | | ND | | | | 0.15J | | | | ND | | | | 0.86 | | | | ND | | | | 0.69 | | | |
| Benzo[a]pyrene | 0.66 | 0.11J | | | | ND | | | | ND | | | | ND | | | | 0.17J | | | | ND | | | | **0.82** | | | | 0.14J | | | | 0.57 | | | |
| Indeno[1,2,3-cd]pyrene | 0.9 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.58 | | | | ND | | | | 0.39 | | | |
| Dibenz[a,h]anthracene | 0.66 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.24J | | | | ND | | | | ND | | | |
| Benzo[g,h,I]perylene | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.48 | | | | ND | | | | 0.31 | | | |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Heptachlor Epoxide | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| 4,4'-DDE | 2 | ND | | | | 0.001 | | | | 0.001 | | | | 0.001 | | | | ND | | | | ND | | | | ND | | | | 0.006 | | | | 0.021 | | | |
| Dieldrin | 0.042 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Endrin | 17 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Endosulfan II | NLE | 0.008 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| 4,4'-DDD | 3 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.006 | | | | ND | | | |
| Endrin Aldehyde | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| 4,4'-DDT | 2 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.01 | | | | ND | | | |
| Endosulfan-Sulfate | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| gamma-Chlordane | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| alpha-Chlordane | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Arochlor 1254 | 0.49 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | 4632 | | | | 13450 | | | | 10970 | | | | 10250 | | | | 6368 | | | | 8343 | | | | 13830 | | | | 3691 | | | | 4474 | | | |
| Antimony | 14 | 0.891 | | | | 2.881 | | | | 1.599 | | | | 1.421 | | | | 1.159 | | | | 0.71 | | | | 2.079 | | | | 0.486 | | | | 1.098 | | | |
| Arsenic | 20 | 4.12 | | | | **20.13** | | | | **32.33** | | | | 10.22 | | | | 9.054 | | | | 8.85 | | | | 11.54 | | | | 19.98 | | | | 15.98 | | | |
| Barium | 700 | 13.03 | | | | 32.88 | | | | 30.43 | | | | 21.25 | | | | 40.37 | | | | 18.58 | | | | 116.04 | | | | 31.68 | | | | 58.82 | | | |
| Beryllium | 2 | 0.4862 | | | | 1.611 | | | | 1.102 | | | | 1.015 | | | | 0.737 | | | | 0.7328 | | | | 1.32 | | | | 0.7184 | | | | 0.4577 | | | |
| Cadmium | 39 | ND | | | | 0.201 | | | | 0.1798 | | | | 0.2656 | | | | 0.1551 | | | | 0.0579 | | | | 0.541 | | | | 0.2736 | | | | 0.5314 | | | |
| Calcium | NLE | 276 | | | | 748.3 | | | | 928.7 | | | | 707.8 | | | | 459.9 | | | | 561.5 | | | | 3956 | | | | 1373 | | | | 1105 | | | |
| Chromium | NLE | 46.4 | | | | 152.8 | | | | 83.07 | | | | 84.62 | | | | 42.42 | | | | 53.53 | | | | 75.63 | | | | 13.02 | | | | 14.93 | | | |
| Cobalt | NLE | 1.692 | | | | 5.048 | | | | 3.708 | | | | 4.383 | | | | 1.834 | | | | 3.863 | | | | 6.127 | | | | 4.926 | | | | 4.535 | | | |
| Copper | 600 | 2.887 | | | | 5.284 | | | | 6.87 | | | | 2.717 | | | | 30.09 | | | | 2.421 | | | | 254.1 | | | | 43.77 | | | | **2837** | | | |
| Iron | NLE | 18680 | | | | 59460 | | | | 41330 | | | | 44130 | | | | 22150 | | | | 30210 | | | | 29220 | | | | 10980 | | | | 9325 | | | |
| Lead | 400 | 14.35 | | | | 24.96 | | | | 59.27 | | | | 8.682 | | | | 135.1 | | | | 16.31 | | | | 370.1 | | | | 57.95 | | | | 383.9 | | | |
| Magnesium | NLE | 623.7 | | | | 1468 | | | | 1548 | | | | 1250 | | | | 1222 | | | | 1051 | | | | 1571 | | | | 373.7 | | | | 423.7 | | | |
| Manganese | NLE | 47.18 | | | | 69.84 | | | | 76.15 | | | | 83.14 | | | | 50.43 | | | | 104.4 | | | | 146 | | | | 30.67 | | | | 484.3 | | | |
| Mercury | 14 | 0.018 | | | | 0.084 | | | | 0.949 | | | | ND | | | | 0.228 | | | | ND | | | | 0.687 | | | | 1.257 | | | | 0.236 | | | |
| Nickel | 250 | 5.762 | | | | 18.8 | | | | 11.78 | | | | 12.74 | | | | 6.33 | | | | 10.08 | | | | 16.79 | | | | 12.94 | | | | 10.39 | | | |
| Potassium | NLE | 1412 | | | | 3255 | | | | 4106 | | | | 2577 | | | | 3614 | | | | 2171 | | | | 4423 | | | | 690 | | | | 1241 | | | |
| Selenium | 63 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.785 | | | | 1.534 | | | |
| Silver | 110 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Sodium | NLE | 39.52 | | | | 37.37 | | | | 66.18 | | | | 95.95 | | | | 124.8 | | | | 109 | | | | 969.8 | | | | 259.8 | | | | 227.5 | | | |
| Thallium | 2 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Vanadium | 370 | 53.06 | | | | 200.1 | | | | 103.1 | | | | 115.4 | | | | 37.5 | | | | 76.97 | | | | 76.13 | | | | 24 | | | | 19.41 | | | |
| Zinc | 1500 | 36.18 | | | | 90.91 | | | | 71.52 | | | | 62.01 | | | | 58.64 | | | | 44.99 | | | | 178 | | | | 22.14 | | | | 942.9 | | | |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP Cleanup Criteria | 3472.11 | | 3472.12 | | 3473.03 | | 3473.04 | | 3473.07 | | 3473.08 | | 3473.11 | | 3473.12 | | 3473.15 | | 3473.16 | | 3473.19 | | 3473.20 | | 3477.03 | | 3477.04 | | 3477.07 | | 3477.08 | | 3477.11 | | 3477.12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | | B10 (6-12") | | B10 (24") | | B11 (6-12") | | B11 (24") | | B12 (6-12") | | B12 (24") | | B13 (6-12") | | B13 (24") | | B14 (6-12") | | B14 (24") | | B15 (6-12") | | B15 (24") | | B16 (6-12") | | B16 (24") | | B17 (6-12") | | B17 (24") | | B18 (6-12") | | B18 (24") | |
| Sample Date | (mg/kg) | 4/10/1998 | | 4/10/1998 | | 4/11/1998 | | 4/11/1998 | | 4/11/1998 | | 4/11/1998 | | 4/11/1998 | | 4/11/1998 | | 4/11/1998 | | 4/11/1998 | | 4/11/1998 | | 4/11/1998 | | 4/13/1998 | | 4/13/1998 | | 4/13/1998 | | 4/13/1998 | | 4/13/1998 | |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Chloroform | 19 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Methylene Chloride | 49 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Tetrachloroethene | 4 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 5 | | | | ND | | | | ND | | | |
| Toluene | 1000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | 0.77 | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.78J | | | | ND | | | | ND | | | | ND | |
| 4-Methylphenol | 2800 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Naphthalene | 230 | 0.13J | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.3 | | | | ND | |
| 2-Methylnaphthalene | NLE | 0.15J | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.52 | | | | ND | |
| Dimethylphthalate | 10,000 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Acenaphthylene | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Acenaphthene | 3400 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Dibenzofuran | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.16J | | | | ND | |
| Diethylphthalate | 10,000 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Fluorene | 2300 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| n-Nitrosodiphenylamine | 140 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Phenanthrene | NLE | 0.41 | | | | ND | | | | ND | | | | 0.3 | | | | ND | | | | ND | | | | 0.2J | | | | 0.31 | | | | ND | |
| Anthracene | 10,000 | ND | | | | ND | | | | ND | | | | 0.29 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Di-n-butylphthalate | 5700 | 0.64J | | | | 0.9J | | | | 0.78J | | | | 0.3J | | | | 0.33J | | | | 0.03 | | | | 0.82J | | | | 0. | | | | 0.59J | |
| Fluoranthene | 2300 | 0.3 | | | | ND | | | | ND | | | | 0.26 | | | | ND | | | | ND | | | | 0.43 | | | | ND | | | | 0.18J | |
| Pyrene | 1700 | 0.44 | | | | ND | | | | ND | | | | 0.45 | | | | ND | | | | ND | | | | 0.42 | | | | ND | | | | 0.22J | |
| Butylbenzylphthalate | 1100 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[a]anthracene | 0.9 | 0.18J | | | | ND | | | | ND | | | | 0.18J | | | | ND | | | | ND | | | | 0.27 | | | | ND | | | | 0.25 | |
| 3,3'-Dichlorobenzidine | 2 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Chrysene | 9 | 0.41 | | | | ND | | | | ND | | | | 0.35 | | | | ND | | | | ND | | | | 0.46 | | | | 0.25J | | | | 0.41 | |
| bis(2-Ethylhexyl)phthalate | 49 | 0.18J | | | | 0.18J | | | | 0.18J | | | | 0.16J | | | | 0.17J | | | | ND | | | | 0.18J | | | | 0.25J | | | | 0.19J | |
| Benzo[b]fluoranthene | 0.9 | 0.15J | | | | ND | | | | ND | | | | 0.12J | | | | ND | | | | ND | | | | 0.27 | | | | ND | | | | 0.41 | |
| Benzo[k]fluoranthene | 0.9 | 0.15J | | | | ND | | | | ND | | | | 0.14J | | | | ND | | | | ND | | | | 0.26 | | | | ND | | | | 0.31 | |
| Benzo[a]pyrene | 0.66 | 0.14J | | | | ND | | | | ND | | | | 0.15J | | | | ND | | | | ND | | | | 0.27 | | | | ND | | | | 0.35 | |
| Indeno[1,2,3-cd]pyrene | 0.9 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.2J | | | | ND | | | | 0.27 | |
| Dibenz[a,h]anthracene | 0.66 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[g,h,I]perylene | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.18J | | | | ND | | | | 0.22J | |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Heptachlor Epoxide | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDE | 2 | ND | | | | ND | | | | 0.008 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Dieldrin | 0.042 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endrin | 17 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endosulfan II | NLE | ND | | | | ND | | | | ND | | | | 0.009 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDD | 3 | 0.003 | | | | ND | | | | 0.002 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endrin Aldehyde | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDT | 2 | 0.006 | | | | ND | | | | 0.01 | | | | ND | | | | ND | | | | ND | | | | 0.003 | | | | ND | | | | ND | |
| Endosulfan-Sulfate | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| gamma-Chlordane | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| alpha-Chlordane | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Arochlor 1254 | 0.49 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | 9667 | | | | 10420 | | | | 10180 | | | | 10770 | | | | 10610 | | | | 12770 | | | | 12110 | | | | 2705 | | | | 5034 | |
| Antimony | 14 | 1.569 | | | | 2.011 | | | | 1.568 | | | | 1.548 | | | | 2.184 | | | | 2.339 | | | | 1.504 | | | | 2.11 | | | | 0.716 | |
| Arsenic | 20 | 11.87 | | | | 11.44 | | | | 11.02 | | | | 13.28 | | | | 12.94 | | | | 14.03 | | | | 12.91 | | | | 7.747 | | | | 10.67 | |
| Barium | 700 | 23.16 | | | | 23.76 | | | | 22.06 | | | | 28.75 | | | | 21.51 | | | | 29.59 | | | | 77.62 | | | | 19.8 | | | | 57.41 | |
| Beryllium | 2 | 1.055 | | | | 1.1 | | | | 0.9966 | | | | 1.09 | | | | 1.376 | | | | 1.187 | | | | 1.463 | | | | 0.3558 | | | | 0.5955 | |
| Cadmium | 39 | 0.1708 | | | | 0.1037 | | | | 0.0837 | | | | 0.0925 | | | | 0.3648 | | | | 0.2357 | | | | 0.3385 | | | | 0.482 | | | | 1.934 | |
| Calcium | NLE | 453 | | | | 555.8 | | | | 1110 | | | | 1749 | | | | 1224 | | | | 600.2 | | | | 1370 | | | | 746.9 | | | | 1947 | |
| Chromium | NLE | 82.74 | | | | 104.3 | | | | 86.63 | | | | 83.47 | | | | 117.3 | | | | 98.72 | | | | 70.59 | | | | 5.603 | | | | 13.86 | |
| Cobalt | NLE | 4.224 | | | | 5.456 | | | | 5.389 | | | | 3.82 | | | | 5.631 | | | | 5.412 | | | | 5.138 | | | | 3.41 | | | | 5.639 | |
| Copper | 600 | 14.52 | | | | 6.138 | | | | 4.719 | | | | 7.043 | | | | 4.11 | | | | 2.605 | | | | 132.3 | | | | 191.4 | | | | 504.4 | |
| Iron | NLE | 40700 | | | | 44300 | | | | 39710 | | | | 39530 | | | | 56290 | | | | 47940 | | | | 33680 | | | | 4204 | | | | 8125 | |
| Lead | 400 | 17.36 | | | | 8.172 | | | | 9.266 | | | | 32.8 | | | | 8.331 | | | | 8.012 | | | | 288.8 | | | | **1793** | | | | 305.2 | |
| Magnesium | NLE | 1019 | | | | 1049 | | | | 1442 | | | | 2317 | | | | 1445 | | | | 1278 | | | | 1392 | | | | 184.9 | | | | 348.8 | |
| Manganese | NLE | 97.99 | | | | 86.4 | | | | 105.6 | | | | 85.88 | | | | 115.4 | | | | 87.25 | | | | 110.8 | | | | 24.55 | | | | 50.34 | |
| Mercury | 14 | 0.091 | | | | 0.017 | | | | 0.055 | | | | 0.467 | | | | 0.024 | | | | 0.012 | | | | 0.437 | | | | 0.062 | | | | 0.133 | |
| Nickel | 250 | 12.34 | | | | 17.5 | | | | 14.2 | | | | 12.04 | | | | 19.62 | | | | 15.27 | | | | 15.51 | | | | 8.915 | | | | 15.97 | |
| Potassium | NLE | 2288 | | | | 2328 | | | | 2392 | | | | 4990 | | | | 2466 | | | | 3631 | | | | 3944 | | | | 375.3 | | | | 907.7 | |
| Selenium | 63 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.438 | | | | 0.78 | |
| Silver | 110 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 1.519 | |
| Sodium | NLE | 68.42 | | | | 142.9 | | | | 66.2 | | | | 67.71 | | | | 79.89 | | | | 83.87 | | | | 248 | | | | 152.2 | | | | 246.7 | |
| Thallium | 2 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Vanadium | 370 | 118.7 | | | | 141 | | | | 120.3 | | | | 104.6 | | | | 166.2 | | | | 146.2 | | | | 90.73 | | | | 10.9 | | | | 17.17 | |
| Zinc | 1500 | 64.9 | | | | 65.8 | | | | 59.62 | | | | 66.81 | | | | 108.8 | | | | 79.64 | | | | 120.7 | | | | 46.07 | | | | 627.4 | |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP Cleanup Criteria | 3477.15 | 3477.16 | 3479.03 | 3479.04 | 3479.07 | 3479.08 | 3479.11 | 3479.12 | 3485.03 | 3485.04 | 3485.07 | 3485.08 | 3485.11 | 3485.12 | 3485.15 | 3485.16 | 3498.03 | 3498.04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | | B19 (6-12") | B19 (24") | B20 (6-12") | B20 (24") | B21 (6-12") | B21 (24") | B22 (6-12") | B22 (24") | B23 (6-12") | B23 (24") | B24 (6-12") | B24 (24") | B25 (6-12") | B25 (24") | B26 (6-12") | B26 (24") | B27 (6-12") | B27 (24") |
| Sample Date | (mg/kg) | 4/13/1998 | 4/13/1998 | 4/14/1998 | 4/14/1998 | 4/14/1998 | 4/14/1998 | 4/14/1998 | 4/14/1998 | 4/15/1998 | 4/15/1998 | 4/15/1998 | 4/15/1998 | 4/15/1998 | 4/15/1998 | 4/15/1998 | 4/15/1998 | 4/20/1998 | 4/20/1998 |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Chloroform | 19 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Methylene Chloride | 49 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Tetrachloroethene | 4 | | ND | | ND | | ND | | ND | | **4.8** | | 3.2 | | ND | | ND | | ND |
| Toluene | 1000 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| 4-Methylphenol | 2800 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Naphthalene | 230 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | 0.17J | |
| 2-Methylnaphthalene | NLE | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | 0.21J | |
| Dimethylphthalate | 10,000 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Acenaphthylene | NLE | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Acenaphthene | 3400 | 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 | | 0.2J | |
| Fluorene | 2300 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| n-Nitrosodiphenylamine | 140 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Phenanthrene | NLE | 0.56 | | ND | | ND | | 0.14J | | ND | | ND | | 0.19J | | 0.39 | | 1.3 | |
| Anthracene | 10,000 | ND | | ND | | ND | | 0.14J | | ND | | ND | | ND | | ND | | 0.21J | |
| Di-n-butylphthalate | 5700 | 0.66J | | 0.74J | | 0.75J | | 0.52J | | 0.01 | | 0. | | 0.01 | | 0. | | 0.01 | |
| Fluoranthene | 2300 | 0.34 | | ND | | ND | | 0.15J | | ND | | ND | | 0.33 | | 0.91 | | 2.8 | |
| Pyrene | 1700 | 0.68 | | ND | | ND | | 0.22J | | ND | | ND | | 0.31 | | 0.77 | | 2.5 | |
| Butylbenzylphthalate | 1100 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | 0.12J | |
| Benzo[a]anthracene | 0.9 | 0.24 | | ND | | ND | | ND | | ND | | ND | | 0.25 | | 0.54 | | **1.5** | |
| 3,3'-Dichlorobenzidine | 2 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Chrysene | 9 | 0.44 | | ND | | ND | | 0.19J | | ND | | ND | | 0.41 | | 0.83 | | 2.3 | |
| bis(2-Ethylhexyl)phthalate | 49 | 0.18J | | 0.4 | | 0.19J | | 0.64 | | 0.13J | | 0. | | 0.23J | | 0. | | 0.29J | |
| Benzo[b]fluoranthene | 0.9 | 0.14J | | ND | | ND | | ND | | ND | | ND | | 0.29 | | 0.69 | | **1.6** | |
| Benzo[k]fluoranthene | 0.9 | 0.15J | | ND | | ND | | ND | | ND | | ND | | 0.26 | | 0.56 | | **1.4** | |
| Benzo[a]pyrene | 0.66 | 0.17J | | ND | | ND | | ND | | ND | | ND | | 0.25 | | **0.67** | | **1.6** | |
| Indeno[1,2,3-cd]pyrene | 0.9 | 0.11J | | ND | | ND | | ND | | ND | | ND | | 0.19J | | 0.58 | | **1.2** | |
| Dibenz[a,h]anthracene | 0.66 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | 0.42 | |
| Benzo[g,h,I]perylene | NLE | 0.12J | | ND | | ND | | ND | | ND | | ND | | 0.17J | | 0.51 | | 0.95 | |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Heptachlor Epoxide | NLE | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| 4,4'-DDE | 2 | ND | | ND | | 0.001 | | ND | | ND | | ND | | 0.007 | | 0.001 | | 0.092 | |
| Dieldrin | 0.042 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Endrin | 17 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Endosulfan II | NLE | ND | | ND | | ND | | 0.002 | | ND | | ND | | 0.005 | | ND | | ND | |
| 4,4'-DDD | 3 | ND | | ND | | 0.001 | | ND | | ND | | ND | | 0.002 | | 0.002 | | 0.008 | |
| Endrin Aldehyde | NLE | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| 4,4'-DDT | 2 | ND | | ND | | ND | | ND | | ND | | ND | | 0.015 | | 0.001 | | 0.03 | |
| Endosulfan-Sulfate | NLE | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| gamma-Chlordane | NLE | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| alpha-Chlordane | NLE | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Arochlor 1254 | 0.49 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | 10530 | | 12710 | | 12310 | | 6500 | | 10230 | | 8798 | | 5973 | | 3987 | | 4737 | |
| Antimony | 14 | 1.411 | | 1.18 | | 1.586 | | 0.811 | | 1.933 | | 2.019 | | 0.535 | | 1.402 | | 0.609 | |
| Arsenic | 20 | **1030** | | 14.23 | | 12.38 | | 6.743 | | 11.27 | | 11.08 | | 9.377 | | 12.45 | | 14.28 | |
| Barium | 700 | 28.22 | | 26.01 | | 34.1 | | 18.78 | | 18.63 | | 22.06 | | 54.85 | | 93.31 | | 102.3 | |
| Beryllium | 2 | 0.9895 | | 1.228 | | 1.182 | | 0.72 | | 1.132 | | 1.003 | | 0.5943 | | 0.5401 | | 0.5059 | |
| Cadmium | 39 | 1.258 | | 1.41 | | ND | | ND | | 0.2331 | | 0.4323 | | 0.5041 | | 1.011 | | 1.863 | |
| Calcium | NLE | 533.2 | | 750.3 | | 4851 | | 1079 | | 672.4 | | 645.4 | | 2380 | | 1670 | | 2181 | |
| Chromium | NLE | 83.08 | | 106.7 | | 109.2 | | 53.19 | | 106.8 | | 92.13 | | 43.8 | | 24.87 | | 25.25 | |
| Cobalt | NLE | 2.785 | | 3.228 | | 5.048 | | 2.142 | | 3.946 | | 4.48 | | 3.881 | | 3.974 | | 3.495 | |
| Copper | 600 | 6.488 | | 4.663 | | 5.5 | | 4.971 | | 37.2 | | 11.34 | | 102.8 | | 484.1 | | 566.7 | |
| Iron | NLE | 33280 | | 38800 | | 44760 | | 19270 | | 50900 | | 41650 | | 23110 | | 17000 | | 14330 | |
| Lead | 400 | 10.63 | | 16.25 | | 9.176 | | 11.83 | | 17.2 | | 10.74 | | 207.2 | | **921.5** | | **708.5** | |
| Magnesium | NLE | 2199 | | 3160 | | 3428 | | 2083 | | 1176 | | 958.6 | | 1409 | | 378.7 | | 1019 | |
| Manganese | NLE | 59.32 | | 76.21 | | 81.37 | | 67.71 | | 74.58 | | 86.61 | | 104.8 | | 97.11 | | 73.72 | |
| Mercury | 14 | ND | | 0.019 | | ND | | 0.011 | | ND | | ND | | 0.201 | | 0.485 | | 0.512 | |
| Nickel | 250 | 8.234 | | 10.4 | | 15.46 | | 5.72 | | 13.06 | | 12.94 | | 10.85 | | 13.33 | | 10.33 | |
| Potassium | NLE | 4763 | | 5588 | | 3221 | | 4347 | | 2592 | | 1592 | | 1725 | | 684 | | 1454 | |
| Selenium | 63 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | 0.888 | | 0.881 | |
| Silver | 110 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | 1.574 | | 0.419 | |
| Sodium | NLE | 37.78 | | 48.64 | | 235.5 | | 33.37 | | 35.27 | | 58.67 | | 95.4 | | 333.1 | | 159.7 | |
| Thallium | 2 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Vanadium | 370 | 66.69 | | 67.64 | | 135.8 | | 34.59 | | 138.4 | | 126.7 | | 51.98 | | 34.2 | | 28.86 | |
| Zinc | 1500 | 42.6 | | 56.35 | | 74.92 | | 32.86 | | 86.32 | | 67.07 | | 163.9 | | 303.7 | | 179.4 | |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP | 3498.07 | | 3498.08 | | 3498.11 | | 3498.12 | | 3498.15 | | 3498.16 | | 3500.02 | | 3500.03 | | 3500.06 | | 3500.07 | | 3500.10 | | 3500.11 | | 3500.14 | | 3500.15 | | 3500.18 | | 3500.19 | | 3501.02 | | 3501.03 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | Cleanup Criteria | B28 (6-12") | | B28 (24") | | B29 (6-12") | | B29 (24") | | B30 (6-12") | | B30 (24") | | B31 (6-12") | | B31 (24") | | B32 (6-12") | | B32 (24") | | B33 (6-12") | | B33 (24") | | B34 (6-12") | | B34 (24") | | B35 (6-12") | | B35 (24") | | B36 (6-12") | | B36 (24") | |
| Sample Date | (mg/kg) | 4/20/1998 | | 4/20/1998 | | 4/20/1998 | | 4/20/1998 | | 4/20/1998 | | 4/20/1998 | | 4/21/1998 | | 4/21/1998 | | 4/21/1998 | | 4/21/1998 | | 4/21/1998 | | 4/21/1998 | | 4/21/1998 | | 4/21/1998 | | 4/21/1998 | | 4/21/1998 | | 4/22/1998 | | 4/22/1998 | |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Chloroform | 19 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Methylene Chloride | 49 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Tetrachloroethene | 4 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Toluene | 1000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| 4-Methylphenol | 2800 | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| Naphthalene | 230 | 0.13J | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| 2-Methylnaphthalene | NLE | 0.16J | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | 0.11J | | | ND | | | 0.12J | | | ND | | | |
| Dimethylphthalate | 10,000 | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| Acenaphthylene | NLE | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| Acenaphthene | 3400 | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| Dibenzofuran | NLE | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| Diethylphthalate | 10,000 | ND | | | 0.12J | | | 0.12J | | | 0.15J | | | 0.14J | | | 0.3 | | | 0.18J | | | ND | | | ND | | | ND | | | ND | | | |
| Fluorene | 2300 | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| n-Nitrosodiphenylamine | 140 | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| Phenanthrene | NLE | 0.48 | | | 0.15J | | | ND | | | 0.13J | | | 0.17J | | | 0.35 | | | 0.28 | | | 0.67 | | | 0.21 | | | ND | | | 0.21 | | | |
| Anthracene | 10,000 | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| Di-n-butylphthalate | 5700 | 0.89J | | | 0. | | | 0. | | | 0.03 | | | 0. | | | 0. | | | 0. | | | 0. | | | 0. | | | 0.01 | | | 0. | | | |
| Fluoranthene | 2300 | 0.38 | | | 0.14J | | | ND | | | 0.12J | | | 0.25 | | | 0.55 | | | 0.57 | | | 1.3 | | | 0.22 | | | ND | | | 0.22 | | | |
| Pyrene | 1700 | 0.6 | | | 0.24J | | | ND | | | 0.19J | | | 0.27 | | | 0.52 | | | 0.46 | | | 1.1 | | | 0.33 | | | ND | | | 0.33 | | | |
| Butylbenzylphthalate | 1100 | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| Benzo[a]anthracene | 0.9 | 0.23 | | | ND | | | ND | | | ND | | | ND | | | 0.17J | | | 0.32 | | | 0.35 | | | 0.69 | | | 0.14J | | | 0.14J | | | |
| 3,3'-Dichlorobenzidine | 2 | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| Chrysene | 9 | 0.53 | | | 0.19J | | | ND | | | 0.15J | | | 0.3 | | | 0.6 | | | 0.57 | | | 1.2 | | | 0.28 | | | ND | | | 0.28 | | | |
| bis(2-Ethylhexyl)phthalate | 49 | 0.14J | | | 0.18J | | | 0.17J | | | 0.13J | | | 0.16J | | | 0.15J | | | 0. | | | 0.13J | | | 0.13J | | | ND | | | 0.13J | | | |
| Benzo[b]fluoranthene | 0.9 | 0.19J | | | ND | | | ND | | | ND | | | 0.16J | | | 0.35 | | | 0.42 | | | 0.84 | | | 0.11J | | | ND | | | 0.11J | | | |
| Benzo[k]fluoranthene | 0.9 | 0.19J | | | ND | | | ND | | | ND | | | 0.15J | | | 0.36 | | | 0.34 | | | 0.7 | | | 0.12J | | | ND | | | 0.12J | | | |
| Benzo[a]pyrene | 0.66 | 0.22 | | | ND | | | ND | | | ND | | | 0.17J | | | 0.37 | | | 0.39 | | | **0.72** | | | 0.12J | | | ND | | | 0.12J | | | |
| Indeno[1,2,3-cd]pyrene | 0.9 | 0.15J | | | ND | | | ND | | | ND | | | 0.12J | | | 0.26 | | | 0.3 | | | 0.49 | | | ND | | | ND | | | ND | | | |
| Dibenz[a,h]anthracene | 0.66 | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | 0.2J | | | ND | | | ND | | | ND | | | |
| Benzo[g,h,I]perylene | NLE | 0.16J | | | ND | | | ND | | | ND | | | ND | | | 0.23J | | | 0.25J | | | 0.4 | | | ND | | | ND | | | ND | | | |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| Heptachlor Epoxide | NLE | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| 4,4'-DDE | 2 | 0.016 | | | 0.009 | | | 0.004 | | | ND | | | ND | | | 0.037 | | | 0.009 | | | 0.153 | | | 0.003 | | | ND | | | 0.003 | | | |
| Dieldrin | 0.042 | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| Endrin | 17 | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | 0.023 | | | ND | | | ND | | | ND | | | |
| Endosulfan II | NLE | ND | | | 0.004 | | | ND | | | ND | | | ND | | | ND | | | ND | | | 0.01 | | | ND | | | ND | | | ND | | | |
| 4,4'-DDD | 3 | 0.001 | | | ND | | | ND | | | ND | | | ND | | | 0.003 | | | ND | | | 0.02 | | | 0.001 | | | ND | | | 0.001 | | | |
| Endrin Aldehyde | NLE | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| 4,4'-DDT | 2 | 0.004 | | | 0.001 | | | ND | | | ND | | | ND | | | 0.02 | | | 0.003 | | | 0.051 | | | 0.006 | | | ND | | | 0.006 | | | |
| Endosulfan-Sulfate | NLE | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| gamma-Chlordane | NLE | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| alpha-Chlordane | NLE | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| Arochlor 1254 | 0.49 | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | 10510 | | | 3825 | | | 11450 | | | 9478 | | | 9374 | | | 5404 | | | 6652 | | | 12810 | | | 8275 | | | | | | | | | |
| Antimony | 14 | 2.536 | | | 0.562 | | | 1.41 | | | 1.835 | | | 1.035 | | | 1.754 | | | 2.403 | | | 5.962 | | | 0.964 | | | | | | | | | |
| Arsenic | 20 | 11.12 | | | 5.409 | | | 10.21 | | | 12.89 | | | 11.15 | | | **32.71** | | | 13.11 | | | **62.27** | | | 9.445 | | | | | | | | | |
| Barium | 700 | 27.13 | | | 21.8 | | | 27.58 | | | 26 | | | 36.46 | | | 150 | | | 203.9 | | | 354.6 | | | 22.98 | | | | | | | | | |
| Beryllium | 2 | 1.382 | | | 0.4842 | | | 0.9559 | | | 1.034 | | | 0.8538 | | | 0.6234 | | | 0.689 | | | **10.89** | | | 0.8057 | | | | | | | | | |
| Cadmium | 39 | 0.2193 | | | 0.0786 | | | 0.1311 | | | 0.1635 | | | 0.2132 | | | 2.087 | | | 1.975 | | | 7.431 | | | 0.5996 | | | | | | | | | |
| Calcium | NLE | 775.9 | | | 715.5 | | | 1593 | | | 705.5 | | | 1054 | | | 4974 | | | 3063 | | | 2477 | | | 635.6 | | | | | | | | | |
| Chromium | NLE | 141.4 | | | 28.13 | | | 78.5 | | | 102.1 | | | 70.22 | | | 38.59 | | | 44.4 | | | 72.25 | | | 61.12 | | | | | | | | | |
| Cobalt | NLE | 3.636 | | | 0.8424 | | | 4.455 | | | 1.878 | | | 3.774 | | | 5.207 | | | 5.537 | | | 55.97 | | | 3.707 | | | | | | | | | |
| Copper | 600 | 7.552 | | | 7.933 | | | 4.673 | | | 8.222 | | | 32.05 | | | 409.3 | | | 428 | | | 442.8 | | | 8.111 | | | | | | | | | |
| Iron | NLE | 51640 | | | 11250 | | | 36530 | | | 39390 | | | 31220 | | | 32440 | | | 23380 | | | 13500 | | | 29820 | | | | | | | | | |
| Lead | 400 | 21.74 | | | 39.12 | | | 10.71 | | | 34.73 | | | 70.19 | | | **810.3** | | | **1090** | | | **2851** | | | 16.68 | | | | | | | | | |
| Magnesium | NLE | 1088 | | | 844.5 | | | 1847 | | | 1751 | | | 1360 | | | 2213 | | | 878.7 | | | 1112 | | | 1019 | | | | | | | | | |
| Manganese | NLE | 52.63 | | | 39.55 | | | 87.83 | | | 38.07 | | | 123.3 | | | 179.6 | | | 153.2 | | | 174.9 | | | 76.98 | | | | | | | | | |
| Mercury | 14 | 0.064 | | | 0.056 | | | 0.012 | | | 0.184 | | | 0.025 | | | 0.979 | | | 0.662 | | | 1.562 | | | 0.059 | | | | | | | | | |
| Nickel | 250 | 11.45 | | | 3.095 | | | 12.99 | | | 8.486 | | | 12.04 | | | 18.98 | | | 22.35 | | | 69.97 | | | 10.12 | | | | | | | | | |
| Potassium | NLE | 2371 | | | 1592 | | | 2876 | | | 4834 | | | 3626 | | | 1348 | | | 1615 | | | 3185 | | | 2115 | | | | | | | | | |
| Selenium | 63 | ND | | | ND | | | ND | | | ND | | | ND | | | 0.602 | | | 1.104 | | | 50.7 | | | 0.584 | | | | | | | | | |
| Silver | 110 | ND | | | ND | | | ND | | | ND | | | ND | | | 2.78 | | | 3.345 | | | 9.425 | | | ND | | | | | | | | | |
| Sodium | NLE | 49.69 | | | 35.99 | | | 77.41 | | | 39.97 | | | 81.26 | | | 245.1 | | | 186.7 | | | 343.3 | | | 38.72 | | | | | | | | | |
| Thallium | 2 | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | ND | | | **47.42** | | | ND | | | | | | | | | |
| Vanadium | 370 | 191.7 | | | 19.39 | | | 109.7 | | | 79.23 | | | 76.03 | | | 44.85 | | | 52.39 | | | 84.39 | | | 84.38 | | | | | | | | | |
| Zinc | 1500 | 70.69 | | | 55.47 | | | 56.71 | | | 62.43 | | | 82.33 | | | 743 | | | 828 | | | 658.1 | | | 45.25 | | | | | | | | | |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP | 3501.06 | | 3501.07 | | 3501.10 | | 3501.11 | | 3501.14 | | 3501.15 | | 3501.18 | | 3501.19 | | 3539.02 | | 3539.03 | | 3539.06 | | 3539.07 | | 3543.02 | | 3543.03 | | 3543.06 | | 3543.07 | | 3543.10 | | 3543.11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | Cleanup Criteria | B37 (6-12") | | B37 (24") | | B38 (6-12") | | B38 (24") | | B39 (6-12") | | B39 (24") | | B40 (6-12") | | B40 (24") | | B41 (6-12") | | B41 (24") | | B42 (6-12") | | B42 (24") | | B43 (6-12") | | B43 (24") | | B44 (6-12") | | B44 (24") | | B45 (6-12") | | B45 (24") | |
| Sample Date | (mg/kg) | 4/22/1998 | | 4/22/1998 | | 4/22/1998 | | 4/22/1998 | | 4/22/1998 | | 4/22/1998 | | 4/22/1998 | | 4/22/1998 | | 5/1/1998 | | 5/1/1998 | | 5/1/1998 | | 5/1/1998 | | 5/1/1998 | | 5/1/1998 | | 5/1/1998 | | 5/1/1998 | | 5/1/1998 | |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Chloroform | 19 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Methylene Chloride | 49 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Tetrachloroethene | 4 | | | ND | | | | 0.41 | | | | ND | | | | 3.1 | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Toluene | 1000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4-Methylphenol | 2800 | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Naphthalene | 230 | | ND | | | ND | | | | ND | | | | ND | | | | 0.18J | | | | 0.31 | | | | ND | | | | 0.19J | | | | ND | |
| 2-Methylnaphthalene | NLE | | ND | | | ND | | | | ND | | | | ND | | | | 0.26J | | | | 0.26J | | | | ND | | | | 0.16J | | | | ND | |
| Dimethylphthalate | 10,000 | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Acenaphthylene | NLE | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Acenaphthene | 3400 | | 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 | |
| Fluorene | 2300 | | 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 | | | | 0.35 | | | | 0.64 | | | | ND | | | | 1.3 | | | | 0.3 | |
| Anthracene | 10,000 | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.19J | | | | ND | |
| Di-n-butylphthalate | 5700 | | 0. | | | 0.01 | | | | 0.04 | | | | 0. | | | | 0. | | | | 0.8J | | | | 0.4J | | | | 0.37J | | | | 0.29J | |
| Fluoranthene | 2300 | | ND | | | ND | | | | ND | | | | ND | | | | 0.34 | | | | 1.3 | | | | ND | | | | 2.8 | | | | 0.71 | |
| Pyrene | 1700 | | ND | | | ND | | | | ND | | | | ND | | | | 0.31 | | | | 0.96 | | | | ND | | | | 2.5 | | | | 0.7 | |
| Butylbenzylphthalate | 1100 | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[a]anthracene | 0.9 | | ND | | | ND | | | | ND | | | | ND | | | | 0.15J | | | | 0.65 | | | | ND | | | | **1.5** | | | | 0.44 | |
| 3,3'-Dichlorobenzidine | 2 | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Chrysene | 9 | | ND | | | ND | | | | ND | | | | ND | | | | 0.41 | | | | 0.98 | | | | 0.13J | | | | 2.4 | | | | 0.69 | |
| bis(2-Ethylhexyl)phthalate | 49 | | 0.13J | | | 0.15J | | | | ND | | | | ND | | | | 0.15J | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[b]fluoranthene | 0.9 | | ND | | | ND | | | | ND | | | | ND | | | | 0.25J | | | | 0.72 | | | | ND | | | | **1.6** | | | | 0.48 | |
| Benzo[k]fluoranthene | 0.9 | | ND | | | ND | | | | ND | | | | ND | | | | 0.18J | | | | 0.59 | | | | ND | | | | **1.5** | | | | 0.47 | |
| Benzo[a]pyrene | 0.66 | | ND | | | ND | | | | ND | | | | ND | | | | 0.16J | | | | **0.67** | | | | ND | | | | **1.6** | | | | 0.5 | |
| Indeno[1,2,3-cd]pyrene | 0.9 | | ND | | | ND | | | | ND | | | | ND | | | | 0.13J | | | | 0.58 | | | | ND | | | | **1.3** | | | | 0.47 | |
| Dibenz[a,h]anthracene | 0.66 | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.2J | | | | ND | | | | 0.47 | | | | 0.16J | |
| Benzo[g,h,I]perylene | NLE | | ND | | | ND | | | | ND | | | | ND | | | | 0.12J | | | | 0.5 | | | | ND | | | | 1.2 | | | | 0.42 | |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Heptachlor Epoxide | NLE | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDE | 2 | | ND | | | ND | | | | ND | | | | 0.001 | | | | 0.028 | | | | 0.007 | | | | ND | | | | ND | | | | 0.084 | |
| Dieldrin | 0.042 | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endrin | 17 | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endosulfan II | NLE | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.004 | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDD | 3 | | ND | | | ND | | | | ND | | | | 0.001 | | | | 0.003 | | | | 0.003 | | | | ND | | | | ND | | | | 0.007 | |
| Endrin Aldehyde | NLE | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDT | 2 | | ND | | | ND | | | | ND | | | | 0.003 | | | | 0.044 | | | | 0.033 | | | | ND | | | | ND | | | | 0.105 | |
| Endosulfan-Sulfate | NLE | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| gamma-Chlordane | NLE | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| alpha-Chlordane | NLE | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Arochlor 1254 | 0.49 | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | | 10070 | | | 9616 | | | | 9833 | | | | 7769 | | | | 6479 | | | | 3951 | | | | 6390 | | | | 8077 | | | | 1961 | |
| Antimony | 14 | | 1.965 | | | 1.819 | | | | 1.916 | | | | 1.55 | | | | 1.413 | | | | 1.104 | | | | ND | | | | 1.203 | | | | 0.382 | |
| Arsenic | 20 | | 10.42 | | | 9.688 | | | | 13.1 | | | | 10.04 | | | | 12.52 | | | | 8.959 | | | | 4.218 | | | | 11.66 | | | | 2.255 | |
| Barium | 700 | | 24.73 | | | 26.09 | | | | 30.29 | | | | 20 | | | | 107.8 | | | | 181.9 | | | | 258.9 | | | | 513.9 | | | | 16.6 | |
| Beryllium | 2 | | 1.032 | | | 1.058 | | | | 1.159 | | | | 0.8691 | | | | 0.759 | | | | 0.4586 | | | | 0.764 | | | | 0.8622 | | | | 0.166 | |
| Cadmium | 39 | | 0.1855 | | | 0.2547 | | | | 0.1541 | | | | 0.1502 | | | | 0.959 | | | | 0.489 | | | | ND | | | | 0.6777 | | | | 0.4876 | |
| Calcium | NLE | | 1015 | | | 839 | | | | 612.5 | | | | 577.6 | | | | 2137 | | | | 962.9 | | | | 1200 | | | | 2670 | | | | 10360 | |
| Chromium | NLE | | 96.84 | | | 99.42 | | | | 106.1 | | | | 83.34 | | | | 56.36 | | | | 36.34 | | | | 21.06 | | | | 70.59 | | | | 17.96 | |
| Cobalt | NLE | | 4.522 | | | 4.232 | | | | 4.975 | | | | 4.022 | | | | 4.604 | | | | 4.035 | | | | 5.369 | | | | 2.42 | | | | 1.223 | |
| Copper | 600 | | 3.796 | | | 3.185 | | | | 3.559 | | | | 1.854 | | | | 412.9 | | | | 207.3 | | | | 38.4 | | | | 346.7 | | | | 28.23 | |
| Iron | NLE | | 43400 | | | 42240 | | | | 49440 | | | | 36490 | | | | 27420 | | | | 21350 | | | | 8584 | | | | 21940 | | | | 6391 | |
| Lead | 400 | | 8.622 | | | 8.58 | | | | 10.66 | | | | 5.945 | | | | **629.1** | | | | **502.5** | | | | 39.9 | | | | 275.5 | | | | 228.1 | |
| Magnesium | NLE | | 1311 | | | 1022 | | | | 899.6 | | | | 789.1 | | | | 1009 | | | | 485 | | | | 331.2 | | | | 2943 | | | | 5665 | |
| Manganese | NLE | | 103.8 | | | 85.25 | | | | 110.2 | | | | 86.79 | | | | 193.3 | | | | 102.6 | | | | 68.44 | | | | 84.22 | | | | 52.05 | |
| Mercury | 14 | | 0.025 | | | 0.014 | | | | 0.037 | | | | 0.013 | | | | 0.891 | | | | 0.754 | | | | 0.085 | | | | 0.164 | | | | 10.194 | |
| Nickel | 250 | | 14.97 | | | 15.78 | | | | 15.84 | | | | 10.83 | | | | 19.73 | | | | 10.93 | | | | 13.84 | | | | 13.28 | | | | 4.67 | |
| Potassium | NLE | | 2342 | | | 1607 | | | | 1726 | | | | 1611 | | | | 1890 | | | | 864.1 | | | | 525.2 | | | | 3791 | | | | 722.3 | |
| Selenium | 63 | | ND | | | ND | | | | ND | | | | ND | | | | 0.627 | | | | 0.859 | | | | 1.417 | | | | 0.473 | | | | ND | |
| Silver | 110 | | ND | | | ND | | | | ND | | | | ND | | | | 0.945 | | | | ND | | | | 2.362 | | | | 0.993 | | | | ND | |
| Sodium | NLE | | 40.28 | | | 45.41 | | | | 62.79 | | | | 32.38 | | | | 154.9 | | | | 103.4 | | | | 216.8 | | | | 221.4 | | | | 174.2 | |
| Thallium | 2 | | ND | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Vanadium | 370 | | 131.4 | | | 139 | | | | 159.7 | | | | 103.5 | | | | 59.51 | | | | 43.68 | | | | 20.79 | | | | 30.96 | | | | 14.38 | |
| Zinc | 1500 | | 64.17 | | | 70.04 | | | | 71.88 | | | | 58.82 | | | | 433.1 | | | | 250.3 | | | | 48.22 | | | | **1598** | | | | 62.64 | |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP Cleanup Criteria | 3543.14 | | 3543.15 | | 3547.02 | | 3547.03 | | 3547.06 | | 3547.07 | | 3547.10 | | 3547.11 | | 3547.14 | | 3547.15 | | 3547.18 | | 3547.19 | | 3550.03 | | 3550.04 | | 3550.07 | | 3550.08 | | 3550.11 | | 3550.12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | | B46 (6-12") | | B46 (24") | | B47 (6-12") | | B47 (24") | | B48 (6-12") | | B48 (24") | | B49 (6-12") | | B49 (24") | | B50 (6-12") | | B50 (24") | | B51 (6-12") | | B51 (24") | | B52 (6-12") | | B52 (24") | | B53 (6-12") | | B53 (24") | | B54 (6-12") | | B54 (24") | |
| Sample Date | (mg/kg) | 5/1/1998 | | 5/1/1998 | | 5/5/1998 | | 5/5/1998 | | 5/5/1998 | | 5/5/1998 | | 5/5/1998 | | 5/5/1998 | | 5/5/1998 | | 5/5/1998 | | 5/5/1998 | | 5/5/1998 | | 5/6/1998 | | 5/6/1998 | | 5/6/1998 | | 5/6/1998 | | 5/6/1998 | |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Chloroform | 19 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Methylene Chloride | 49 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Tetrachloroethene | 4 | | | 0.45 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Toluene | 1000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | ND | | | | ND | | | | ND | | | | 0.58 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4-Methylphenol | 2800 | 0.16J | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Naphthalene | 230 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 2-Methylnaphthalene | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Dimethylphthalate | 10,000 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Acenaphthylene | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Acenaphthene | 3400 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Dibenzofuran | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Diethylphthalate | 10,000 | ND | | | | 0.11J | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Fluorene | 2300 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| n-Nitrosodiphenylamine | 140 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Phenanthrene | NLE | 0.32 | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.14J | | | | 0.11J | | | | 0.24 | | | | 0.11J | |
| Anthracene | 10,000 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.13J | | | | ND | | | | 0.24 | | | | ND | |
| Di-n-butylphthalate | 5700 | 0. | | | | 0. | | | | 0.63J | | | | 0.49J | | | | 0.26J | | | | 0. | | | | ND | | | | 0.35J | | | | 0. | |
| Fluoranthene | 2300 | 0.56 | | | | ND | | | | 0.12J | | | | ND | | | | 0.17J | | | | 0.16J | | | | ND | | | | 0.26 | | | | 0.16J | |
| Pyrene | 1700 | 0.53 | | | | ND | | | | ND | | | | ND | | | | 0.13J | | | | 0.23J | | | | 0.17J | | | | 0.41 | | | | 0.24 | |
| Butylbenzylphthalate | 1100 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[a]anthracene | 0.9 | 0.31 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.19J | | | | 0.17J | |
| 3,3'-Dichlorobenzidine | 2 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Chrysene | 9 | 0.51 | | | | ND | | | | ND | | | | ND | | | | 0.13J | | | | 0.18J | | | | 0.14J | | | | 0.37 | | | | 0.23J | |
| bis(2-Ethylhexyl)phthalate | 49 | 0. | | | | ND | | | | ND | | | | 0.14J | | | | 0.12J | | | | 0.14J | | | | ND | | | | ND | | | | 0.22J | |
| Benzo[b]fluoranthene | 0.9 | 0.33 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.11J | | | | ND | |
| Benzo[k]fluoranthene | 0.9 | 0.35 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.14J | | | | 0.11J | |
| Benzo[a]pyrene | 0.66 | 0.36 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.17J | | | | 0.11J | |
| Indeno[1,2,3-cd]pyrene | 0.9 | 0.31 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.11J | | | | ND | |
| Dibenz[a,h]anthracene | 0.66 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[g,h,I]perylene | NLE | 0.28 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.11J | | | | ND | |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Heptachlor Epoxide | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDE | 2 | 0.052 | | | | 0.004 | | | | ND | | | | ND | | | | 0.004 | | | | ND | | | | ND | | | | 0.027 | | | | 0.009 | |
| Dieldrin | 0.042 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endrin | 17 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endosulfan II | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.013 | | | | 0.019 | | | | ND | |
| 4,4'-DDD | 3 | 0.008 | | | | ND | | | | ND | | | | 0.001 | | | | 0.001 | | | | ND | | | | ND | | | | ND | | | | 0.019 | |
| Endrin Aldehyde | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDT | 2 | 0.075 | | | | 0.004 | | | | ND | | | | ND | | | | 0.01 | | | | ND | | | | ND | | | | ND | | | | 0.092 | |
| Endosulfan-Sulfate | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| gamma-Chlordane | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| alpha-Chlordane | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Arochlor 1254 | 0.49 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | 4464 | | | | 1986 | | | | 3363 | | | | 4876 | | | | 3699 | | | | 8596 | | | | 8267 | | | | 4460 | | | | 6246 | |
| Antimony | 14 | 0.639 | | | | 0.388 | | | | 0.95 | | | | 0.791 | | | | 0.497 | | | | 1.713 | | | | 1.263 | | | | 0.547 | | | | 1.532 | |
| Arsenic | 20 | 8.122 | | | | 1.719 | | | | 8.626 | | | | 12.79 | | | | 3.172 | | | | **27.93** | | | | 14.36 | | | | 4.293 | | | | **147.5** | |
| Barium | 700 | 69.01 | | | | 10.23 | | | | 113.8 | | | | 76.99 | | | | 16.51 | | | | 27.23 | | | | 29.54 | | | | 25.47 | | | | 14.72 | |
| Beryllium | 2 | 0.4403 | | | | 0.3672 | | | | 0.4112 | | | | 0.6963 | | | | 0.7032 | | | | 1.108 | | | | 0.9403 | | | | 0.412 | | | | 0.7216 | |
| Cadmium | 39 | 0.9829 | | | | ND | | | | 0.2786 | | | | 0.1114 | | | | ND | | | | 0.1293 | | | | ND | | | | ND | | | | ND | |
| Calcium | NLE | 2705 | | | | 277 | | | | 933.3 | | | | 1111 | | | | 476.2 | | | | 943.5 | | | | 664.1 | | | | 452.9 | | | | 440.1 | |
| Chromium | NLE | 36.61 | | | | 21.36 | | | | 23.73 | | | | 52.57 | | | | 30.82 | | | | 108.5 | | | | 87.14 | | | | 31.37 | | | | 81.6 | |
| Cobalt | NLE | 2.495 | | | | 0.3853 | | | | 2.388 | | | | 1.731 | | | | 0.3871 | | | | 3.129 | | | | 6.07 | | | | 1.335 | | | | 0.8229 | |
| Copper | 600 | 262.8 | | | | 2.913 | | | | 532.4 | | | | 60.76 | | | | 4.304 | | | | 7.103 | | | | 15.39 | | | | 17.84 | | | | 6.733 | |
| Iron | NLE | 18840 | | | | 7617 | | | | 20580 | | | | 22280 | | | | 10500 | | | | 47660 | | | | 40040 | | | | 10340 | | | | 30770 | |
| Lead | 400 | 273.5 | | | | 8.632 | | | | **845.1** | | | | 226.7 | | | | 6.099 | | | | 40.53 | | | | 55.83 | | | | 22.07 | | | | 14.64 | |
| Magnesium | NLE | 928.1 | | | | 534.1 | | | | 574.5 | | | | 1066 | | | | 602.6 | | | | 963.9 | | | | 1089 | | | | 698.6 | | | | 2093 | |
| Manganese | NLE | 725.6 | | | | 10.21 | | | | 107.1 | | | | 71.47 | | | | 20.24 | | | | 65.67 | | | | 153.5 | | | | 74.62 | | | | 30.56 | |
| Mercury | 14 | 5.04 | | | | 0.039 | | | | 0.51 | | | | 5.141 | | | | 0.074 | | | | 0.225 | | | | 0.588 | | | | 0.037 | | | | 0.036 | |
| Nickel | 250 | 7.3 | | | | 2.299 | | | | 7.715 | | | | 6.521 | | | | 3.713 | | | | 12.48 | | | | 11.51 | | | | 2.826 | | | | 3.717 | |
| Potassium | NLE | 1955 | | | | 1048 | | | | 1422 | | | | 2485 | | | | 918.9 | | | | 2085 | | | | 2466 | | | | 1529 | | | | 6333 | |
| Selenium | 63 | ND | | | | 0.372 | | | | 0.4 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.599 | |
| Silver | 110 | 0.512 | | | | ND | | | | 1.123 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Sodium | NLE | 312.4 | | | | 144.3 | | | | 96.56 | | | | 71.52 | | | | 266.9 | | | | 393.3 | | | | 52.66 | | | | 40.01 | | | | 229.7 | |
| Thallium | 2 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Vanadium | 370 | 33.38 | | | | 16.22 | | | | 17.18 | | | | 39.23 | | | | 26.17 | | | | 126.4 | | | | 79.15 | | | | 18.81 | | | | 32.76 | |
| Zinc | 1500 | **1809** | | | | 46.14 | | | | 209.5 | | | | 100.6 | | | | 49.56 | | | | 68.26 | | | | 91.96 | | | | 35.88 | | | | 28.84 | |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP Cleanup Criteria | 3550.15 | | 3550.16 | | 3561.02 | | 3561.03 | | 3561.06 | | 3561.07 | | 3561.10 | | 3561.11 | | 3561.14 | | 3561.15 | | 3567.02 | | 3567.03 | | 3567.06 | | 3567.07 | | 3567.10 | | 3567.11 | | 3567.14 | | 3567.15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | | B55 (6-12") | | B55 (24") | | B56 (6-12") | | B56 (24") | | B57 (6-12") | | B57 (24") | | B58 (6-12") | | B58 (24") | | B59 (6-12") | | B59 (24") | | B60 (6-12") | | B60 (24") | | B61 (6-12") | | B61 (24") | | B62 (6-12") | | B62 (24") | | B63 (6-12") | | B63 (20") |
| Sample Date | (mg/kg) | 5/6/1998 | | 5/6/1998 | | 5/11/1998 | | 5/11/1998 | | 5/11/1998 | | 5/11/1998 | | 5/11/1998 | | 5/11/1998 | | 5/11/1998 | | 5/11/1998 | | 5/14/1998 | | 5/14/1998 | | 5/14/1998 | | 5/14/1998 | | 5/14/1998 | | 5/14/1998 | | 5/14/1998 | | 5/14/1998 |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | ND |
| Chloroform | 19 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | ND |
| Methylene Chloride | 49 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | ND |
| Tetrachloroethene | 4 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | ND |
| Toluene | 1000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | ND |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | 0.42 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4-Methylphenol | 2800 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Naphthalene | 230 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 2-Methylnaphthalene | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Dimethylphthalate | 10,000 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Acenaphthylene | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.14J | |
| Acenaphthene | 3400 | 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 | |
| Fluorene | 2300 | 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 | | | | 0.25 | | | | ND | | | | ND | | | | 0.44 | | | | ND | | | | ND | | | | 0.54 | |
| Anthracene | 10,000 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Di-n-butylphthalate | 5700 | 0.9J | | | | 0.36J | | | | 0.57J | | | | 0 | | | | 0.43J | | | | 0.61J | | | | 0.88J | | | | 0.45J | | | | 0.38J | |
| Fluoranthene | 2300 | ND | | | | ND | | | | 0.3 | | | | ND | | | | 0.14J | | | | 0.71 | | | | 0.14J | | | | ND | | | | 0.89 | |
| Pyrene | 1700 | ND | | | | ND | | | | 0.45 | | | | ND | | | | 0.12J | | | | 0.53 | | | | 0.15J | | | | ND | | | | 1.3 | |
| Butylbenzylphthalate | 1100 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[a]anthracene | 0.9 | ND | | | | ND | | | | 0.21J | | | | ND | | | | ND | | | | 0.28 | | | | ND | | | | ND | | | | 0.56 | |
| 3,3'-Dichlorobenzidine | 2 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Chrysene | 9 | ND | | | | ND | | | | 0.29 | | | | ND | | | | ND | | | | 0.3 | | | | 0.13J | | | | ND | | | | 0.88 | |
| bis(2-Ethylhexyl)phthalate | 49 | 0.13J | | | | ND | | | | 0.14J | | | | 0.2J | | | | ND | | | | 0.2J | | | | 0.22J | | | | 0.11J | | | | 0.21J | |
| Benzo[b]fluoranthene | 0.9 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.22J | | | | ND | | | | ND | | | | 0.41 | |
| Benzo[k]fluoranthene | 0.9 | ND | | | | ND | | | | 0.13J | | | | ND | | | | ND | | | | 0.24 | | | | ND | | | | ND | | | | 0.52 | |
| Benzo[a]pyrene | 0.66 | ND | | | | ND | | | | 0.15J | | | | ND | | | | ND | | | | 0.26 | | | | ND | | | | ND | | | | 0.58 | |
| Indeno[1,2,3-cd]pyrene | 0.9 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.18J | | | | ND | | | | ND | | | | 0.37 | |
| Dibenz[a,h]anthracene | 0.66 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[g,h,I]perylene | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.17J | | | | ND | | | | ND | | | | 0.44 | |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | ND | | | | ND | | | | ND | | | | ND | | | | 0.014 | | | | ND | | | | ND | | | | ND | | | | ND | |
| Heptachlor Epoxide | NLE | ND | | | | ND | | | | ND | | | | ND | | | | 0.261 | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDE | 2 | 0.006 | | | | 0.227 | | | | 0.039 | | | | 0.004 | | | | **2.058** | | | | 0.003 | | | | 0.005 | | | | 0.001 | | | | 0.007 | |
| Dieldrin | 0.042 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endrin | 17 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endosulfan II | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDD | 3 | 0.002 | | | | ND | | | | ND | | | | ND | | | | 2.68 | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endrin Aldehyde | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDT | 2 | 0.012 | | | | 0.17 | | | | 0.06 | | | | 0.007 | | | | **11.182** | | | | 0.002 | | | | 0.007 | | | | ND | | | | 0.01 | |
| Endosulfan-Sulfate | NLE | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| gamma-Chlordane | NLE | ND | | | | ND | | | | ND | | | | ND | | | | 0.577 | | | | ND | | | | ND | | | | ND | | | | ND | |
| alpha-Chlordane | NLE | ND | | | | ND | | | | ND | | | | ND | | | | 0.409 | | | | ND | | | | ND | | | | ND | | | | ND | |
| Arochlor 1254 | 0.49 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | 7988 | | | | 11380 | | | | 10290 | | | | 1884 | | | | 2975 | | | | 13190 | | | | 9246 | | | | 5436 | | | | 7195 | |
| Antimony | 14 | 1.149 | | | | 1.246 | | | | 1.868 | | | | 0.326 | | | | 0.48 | | | | 1.266 | | | | 0.86 | | | | 0.921 | | | | 1.01 | |
| Arsenic | 20 | 10.36 | | | | 16.81 | | | | 14.94 | | | | 1.201 | | | | 7.456 | | | | 10.76 | | | | 7.677 | | | | 5.493 | | | | 8.63 | |
| Barium | 700 | 101.2 | | | | 44.19 | | | | 88.58 | | | | 5.948 | | | | 27.13 | | | | 34.64 | | | | 21.61 | | | | 18.86 | | | | 111.8 | |
| Beryllium | 2 | 0.9041 | | | | 1.233 | | | | 0.9952 | | | | 0.3044 | | | | 0.3715 | | | | 1.496 | | | | 1.056 | | | | 0.6189 | | | | 0.8207 | |
| Cadmium | 39 | ND | | | | ND | | | | 0.2176 | | | | 0.1125 | | | | 0.2638 | | | | ND | | | | ND | | | | 0.7023 | | | | 0.2273 | |
| Calcium | NLE | 950.6 | | | | 1662 | | | | 1169 | | | | 152.9 | | | | 400.1 | | | | 1188 | | | | 491.6 | | | | 181.1 | | | | 1930 | |
| Chromium | NLE | 58.97 | | | | 90.25 | | | | 78.52 | | | | 14.29 | | | | 18.99 | | | | 100.1 | | | | 82.22 | | | | 49.99 | | | | 57.85 | |
| Cobalt | NLE | 2.301 | | | | 2.645 | | | | 4.073 | | | | 0.2267 | | | | 1.23 | | | | 2.967 | | | | 1.778 | | | | 0.5732 | | | | 1.54 | |
| Copper | 600 | 14.76 | | | | 15.96 | | | | 83.51 | | | | 3.742 | | | | 9.851 | | | | 5.622 | | | | 3.459 | | | | 20.54 | | | | 50.68 | |
| Iron | NLE | 24580 | | | | 32850 | | | | 34590 | | | | 5510 | | | | 7582 | | | | 36290 | | | | 26710 | | | | 15460 | | | | 22510 | |
| Lead | 400 | 45.25 | | | | 108.8 | | | | **2379** | | | | 8.725 | | | | 71.13 | | | | 10.39 | | | | 9.338 | | | | 94.89 | | | | **673.7** | |
| Magnesium | NLE | 2144 | | | | 3720 | | | | 1506 | | | | 335.4 | | | | 664.8 | | | | 3941 | | | | 2704 | | | | 948.3 | | | | 1648 | |
| Manganese | NLE | 147.5 | | | | 76.07 | | | | 118.1 | | | | 5.243 | | | | 21.19 | | | | 95.3 | | | | 47.43 | | | | 18.48 | | | | 144 | |
| Mercury | 14 | 0.213 | | | | 0.9 | | | | 0.459 | | | | 0.039 | | | | **17.584** | | | | 0.671 | | | | 0.058 | | | | 0.161 | | | | 0.115 | |
| Nickel | 250 | 7.104 | | | | 8.858 | | | | 13.31 | | | | 1.59 | | | | 4.389 | | | | 7.747 | | | | 5.302 | | | | 3.305 | | | | 8.803 | |
| Potassium | NLE | 5418 | | | | 7138 | | | | 4203 | | | | 460.3 | | | | 1084 | | | | 7084 | | | | 5398 | | | | 2311 | | | | 3715 | |
| Selenium | 63 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Silver | 110 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Sodium | NLE | 159.4 | | | | 71.89 | | | | 110.9 | | | | 25.7 | | | | 57.27 | | | | 81.7 | | | | 49.79 | | | | 51.48 | | | | 439.1 | |
| Thallium | 2 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Vanadium | 370 | 29.63 | | | | 42.8 | | | | 82.13 | | | | 13.82 | | | | 18.5 | | | | 44.53 | | | | 37.72 | | | | 39.39 | | | | 27.81 | |
| Zinc | 1500 | 58.2 | | | | 81.92 | | | | 178.4 | | | | 26.47 | | | | 73.37 | | | | 59.43 | | | | 41.41 | | | | 32.25 | | | | 338.9 | |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP | 3567.16 | | 3567.19 | | 3567.20 | | 3571.02 | | 3571.03 | | 3571.06 | | 3571.07 | | 3571.10 | | 3571.11 | | 3571.13 | | 3571.14 | | 3571.17 | | 3571.18 | | 3576.02 | | 3576.03 | | 3576.06 | | 3576.07 | | 3576.10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | Cleanup Criteria | B63 (24") | | B64 (6-12") | | B64 (24") | | B65 (6-12") | | B65 (24") | | B66 (6-12") | | B66 (24") | | B67 (6-12") | | B67 (24") | | B68 (6-12") | | B68 (24") | | B69 (6-12") | | B69 (24") | | B70 (6-12") | | B70 (24") | | B71 (6-12") | | B71 (24") | | B72 (6-12") | |
| Sample Date | (mg/kg) | 5/14/1998 | | 5/14/1998 | | 5/14/1998 | | 5/15/1998 | | 5/15/1998 | | 5/15/1998 | | 5/15/1998 | | 5/15/1998 | | 5/15/1998 | | 5/15/1998 | | 5/15/1998 | | 5/15/1998 | | 5/15/1998 | | 5/18/1998 | | 5/18/1998 | | 5/18/1998 | | 5/18/1998 | |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | | | ND | | | |
| Chloroform | 19 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | | | ND | | | |
| Methylene Chloride | 49 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | | | ND | | | |
| Tetrachloroethene | 4 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 1.6 | | | | ND | | | | | | ND | | | |
| Toluene | 1000 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | | | ND | | | |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| 4-Methylphenol | 2800 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Naphthalene | 230 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.12J | | | | ND | | | | 0.22J | | | |
| 2-Methylnaphthalene | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.14J | | | | ND | | | | 0.26J | | | |
| Dimethylphthalate | 10,000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Acenaphthylene | NLE | | | 0.15J | | | | ND | | | | ND | | | | 0.19J | | | | ND | | | | ND | | | | ND | | | | 0.74 | | | |
| Acenaphthene | 3400 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.18J | | | |
| Dibenzofuran | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Diethylphthalate | 10,000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Fluorene | 2300 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.46 | | | |
| n-Nitrosodiphenylamine | 140 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Phenanthrene | NLE | | | 1.1 | | | | ND | | | | ND | | | | 1.5 | | | | 0.17J | | | | 0.95 | | | | ND | | | | 3.8 | | | |
| Anthracene | 10,000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.15J | | | | ND | | | | 0.74 | | | |
| Di-n-butylphthalate | 5700 | | | 0.82J | | | | 0.21J | | | | 0.59J | | | | 0.25J | | | | 0.18J | | | | 0.22J | | | | 0.54J | | | | 0. | | | |
| Fluoranthene | 2300 | | | 1.2 | | | | ND | | | | 0.17J | | | | 1.2 | | | | 0.14J | | | | 1.5 | | | | ND | | | | 4.5 | | | |
| Pyrene | 1700 | | | 2.2 | | | | ND | | | | 0.15J | | | | 2.1 | | | | 0.2J | | | | 1.3 | | | | ND | | | | 6.4 | | | |
| Butylbenzylphthalate | 1100 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Benzo[a]anthracene | 0.9 | | | 0.66 | | | | ND | | | | ND | | | | 0.76 | | | | ND | | | | 0.7 | | | | ND | | | | **3.1** | | | |
| 3,3'-Dichlorobenzidine | 2 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Chrysene | 9 | | | 1.5 | | | | ND | | | | 0.12J | | | | 1.2 | | | | 0.18J | | | | 0.97 | | | | ND | | | | 5.0 | | | |
| bis(2-Ethylhexyl)phthalate | 49 | | | 0.28J | | | | ND | | | | 0.12J | | | | ND | | | | ND | | | | 0.11J | | | | ND | | | | ND | | | |
| Benzo[b]fluoranthene | 0.9 | | | 0.56 | | | | ND | | | | 0.11J | | | | 0.41 | | | | ND | | | | 0.74 | | | | ND | | | | **2.4** | | | |
| Benzo[k]fluoranthene | 0.9 | | | 0.56 | | | | ND | | | | 0.11J | | | | 0.53 | | | | ND | | | | 0.7 | | | | ND | | | | **2.4** | | | |
| Benzo[a]pyrene | 0.66 | | | 0.66 | | | | ND | | | | 0.12J | | | | **0.72** | | | | ND | | | | **0.72** | | | | ND | | | | **3** | | | |
| Indeno[1,2,3-cd]pyrene | 0.9 | | | 0.44 | | | | ND | | | | ND | | | | 0.43 | | | | ND | | | | 0.47 | | | | ND | | | | **1.9** | | | |
| Dibenz[a,h]anthracene | 0.66 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | **1** | | | |
| Benzo[g,h,I]perylene | NLE | | | 0.54 | | | | ND | | | | ND | | | | 0.53 | | | | ND | | | | 0.45 | | | | ND | | | | 2.3 | | | |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Heptachlor Epoxide | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| 4,4'-DDE | 2 | | | 1.184 | | | | 0.002 | | | | ND | | | | ND | | | | 0.041 | | | | 0.069 | | | | 0.001 | | | | 0.103 | | | |
| Dieldrin | 0.042 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Endrin | 17 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Endosulfan II | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| 4,4'-DDD | 3 | | | 0.196 | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.038 | | | | ND | | | | ND | | | |
| Endrin Aldehyde | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| 4,4'-DDT | 2 | | | 0.532 | | | | 0.002 | | | | ND | | | | ND | | | | 0.069 | | | | 0.287 | | | | 0.002 | | | | 0.104 | | | |
| Endosulfan-Sulfate | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| gamma-Chlordane | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| alpha-Chlordane | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Arochlor 1254 | 0.49 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | | | 15670 | | | | 8058 | | | | 3044 | | | | 7248 | | | | 6761 | | | | 7952 | | | | 11120 | | | | 9388 | | | |
| Antimony | 14 | | | 1.059 | | | | 0.997 | | | | 0.443 | | | | 0.35 | | | | 1.209 | | | | 1.305 | | | | 1.249 | | | | 0.789 | | | |
| Arsenic | 20 | | | 14.6 | | | | 7.83 | | | | 3.083 | | | | 7.19 | | | | 11.44 | | | | 10.21 | | | | 10.11 | | | | 9.62 | | | |
| Barium | 700 | | | 52.75 | | | | 28.5 | | | | 21.9 | | | | 15.88 | | | | 44.56 | | | | 125.5 | | | | 25.88 | | | | 51.51 | | | |
| Beryllium | 2 | | | 1.179 | | | | 0.8404 | | | | 0.4444 | | | | 0.604 | | | | 0.8332 | | | | 0.8544 | | | | 1.128 | | | | 0.9041 | | | |
| Cadmium | 39 | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.1382 | | | | 1.154 | | | | ND | | | | ND | | | |
| Calcium | NLE | | | 969 | | | | 744.4 | | | | 266.5 | | | | 518.3 | | | | 1209 | | | | 1407 | | | | 586.5 | | | | 1169 | | | |
| Chromium | NLE | | | 81.95 | | | | 68.44 | | | | 23.91 | | | | 42.72 | | | | 57.83 | | | | 51.07 | | | | 114.5 | | | | 77.94 | | | |
| Cobalt | NLE | | | 4.367 | | | | 3.136 | | | | 0.5376 | | | | 2.701 | | | | 4.179 | | | | 5.826 | | | | 4.8 | | | | 3.255 | | | |
| Copper | 600 | | | 8.773 | | | | 5.669 | | | | 7.449 | | | | 3.409 | | | | 42.05 | | | | **1544** | | | | 2.028 | | | | 39.85 | | | |
| Iron | NLE | | | 34010 | | | | 29740 | | | | 8577 | | | | 25900 | | | | 27790 | | | | 27860 | | | | 47050 | | | | 33340 | | | |
| Lead | 400 | | | 20.2 | | | | 30.1 | | | | 37.51 | | | | 9.825 | | | | 90.71 | | | | **852.3** | | | | 11.87 | | | | 122.6 | | | |
| Magnesium | NLE | | | 2740 | | | | 1237 | | | | 710.2 | | | | 895.3 | | | | 730.7 | | | | 817.3 | | | | 1074 | | | | 1435 | | | |
| Manganese | NLE | | | 175.4 | | | | 76.07 | | | | 29.05 | | | | 79.87 | | | | 54.71 | | | | 195.3 | | | | 103.5 | | | | 76.53 | | | |
| Mercury | 14 | | | 0.17 | | | | 0.074 | | | | 0.088 | | | | 0.068 | | | | 0.268 | | | | ND | | | | ND | | | | 0.079 | | | |
| Nickel | 250 | | | 13.41 | | | | 9.24 | | | | 2.565 | | | | 7.65 | | | | 10.39 | | | | 17.71 | | | | 16.38 | | | | 10.52 | | | |
| Potassium | NLE | | | 5202 | | | | 3399 | | | | 1602 | | | | 1460 | | | | 1202 | | | | 1922 | | | | 2684 | | | | 3817 | | | |
| Selenium | 63 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Silver | 110 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 1.082 | | | | ND | | | | ND | | | |
| Sodium | NLE | | | 287.7 | | | | 56.68 | | | | 11.9 | | | | 43.74 | | | | 72.72 | | | | 175.9 | | | | 92.7 | | | | 92.75 | | | |
| Thallium | 2 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | |
| Vanadium | 370 | | | 74.48 | | | | 74.42 | | | | 14.64 | | | | 56.21 | | | | 74.83 | | | | 52.52 | | | | 148.9 | | | | 82.7 | | | |
| Zinc | 1500 | | | 73.04 | | | | 55.34 | | | | 43.34 | | | | 42.07 | | | | 49.92 | | | | 455 | | | | 81.93 | | | | 117.6 | | | |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP Cleanup Criteria | 3576.11 | | 3576.14 | | 3576.15 | | 3580.02 | | 3580.03 | | 3580.05 | | 3580.06 | | 3580.08 | | 3580.09 | | 3580.11 | | 3580.12 | | 3580.14 | | 3580.15 | | 3580.18 | | 3580.19 | | 3580.22 | | 3580.23 | | 3580.26 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | | B72 (24") | | B73 (6-12") | | B73 (24") | | B74 (6-12") | | B74 (24") | | B75 (6-12") | | B75 (24") | | B76 (6-12") | | B76 (24") | | B77 (6-12") | | B77 (24") | | B78 (6-12") | | B78 (24") | | B79 (6-12") | | B79 (24") | | B80 (6-12") | | B80 (24") | | B81 (6-12") | |
| Sample Date | (mg/kg) | 5/18/1998 | | 5/18/1998 | | 5/18/1998 | | 5/19/1998 | | 5/19/1998 | | 5/19/1998 | | 5/19/1998 | | 5/19/1998 | | 5/19/1998 | | 5/19/1998 | | 5/19/1998 | | 5/19/1998 | | 5/19/1998 | | 5/19/1998 | | 5/19/1998 | | 5/19/1998 | | 5/19/1998 | |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Chloroform | 19 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Methylene Chloride | 49 | 0.31J | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Tetrachloroethene | 4 | ND | | | | ND | | | | ND | | | | ND | | | | 0.77 | | | | ND | | | | ND | | | | ND | | | | ND | |
| Toluene | 1000 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4-Methylphenol | 2800 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Naphthalene | 230 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.4 | |
| 2-Methylnaphthalene | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.66 | |
| Dimethylphthalate | 10,000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.12J | |
| Acenaphthylene | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.11J | |
| Acenaphthene | 3400 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Dibenzofuran | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.25 | |
| Diethylphthalate | 10,000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.17J | |
| Fluorene | 2300 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.11J | |
| n-Nitrosodiphenylamine | 140 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.15J | |
| Phenanthrene | NLE | | | 0.25 | | | | 0.12J | | | | 0.48 | | | | 0.72 | | | | 0.17J | | | | 0.13J | | | | ND | | | | ND | | | | 0.57 | |
| Anthracene | 10,000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.16J | |
| Di-n-butylphthalate | 5700 | | | 0.51J | | | | 0.32J | | | | 0.76J | | | | 0.78J | | | | 0.38J | | | | 0.67J | | | | 0.6J | | | | 0.27J | | | | 0.84J | |
| Fluoranthene | 2300 | | | 0.33 | | | | 0.13J | | | | 0.3 | | | | 0.5 | | | | 0.19J | | | | ND | | | | ND | | | | ND | | | | 0.4 | |
| Pyrene | 1700 | | | 0.56 | | | | 0.17J | | | | 0.51 | | | | 0.82 | | | | 0.12J | | | | 0.12J | | | | ND | | | | ND | | | | 0.58 | |
| Butylbenzylphthalate | 1100 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[a]anthracene | 0.9 | | | 0.24 | | | | ND | | | | 0.18J | | | | 0.31 | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.3 | |
| 3,3'-Dichlorobenzidine | 2 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Chrysene | 9 | | | 0.43 | | | | 0.12J | | | | 0.3 | | | | 0.52 | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.51 | |
| bis(2-Ethylhexyl)phthalate | 49 | | | ND | | | | ND | | | | 0.28J | | | | 0.1J | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[b]fluoranthene | 0.9 | | | 0.21J | | | | ND | | | | 0.11J | | | | 0.2J | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.18J | |
| Benzo[k]fluoranthene | 0.9 | | | 0.23 | | | | ND | | | | 0.13J | | | | 0.22 | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.22 | |
| Benzo[a]pyrene | 0.66 | | | 0.26 | | | | ND | | | | 0.13J | | | | 0.29 | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.24 | |
| Indeno[1,2,3-cd]pyrene | 0.9 | | | ND | | | | ND | | | | ND | | | | 0.16J | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.15J | |
| Dibenz[a,h]anthracene | 0.66 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[g,h,I]perylene | NLE | | | 0.22J | | | | ND | | | | ND | | | | 0.19J | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.19J | |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Heptachlor Epoxide | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDE | 2 | | | 0.005 | | | | 0.009 | | | | ND | | | | ND | | | | ND | | | | 0.01 | | | | 0.002 | | | | 0.005 | | | | ND | |
| Dieldrin | 0.042 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endrin | 17 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endosulfan II | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDD | 3 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endrin Aldehyde | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDT | 2 | | | 0.005 | | | | 0.01 | | | | ND | | | | ND | | | | ND | | | | 0.007 | | | | 0.002 | | | | 0.006 | | | | ND | |
| Endosulfan-Sulfate | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| gamma-Chlordane | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| alpha-Chlordane | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Arochlor 1254 | 0.49 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | | | 8643 | | | | 2868 | | | | 1781 | | | | 6780 | | | | 8537 | | | | 10590 | | | | 10590 | | | | 10450 | | | | 2577 | |
| Antimony | 14 | | | 1.158 | | | | 0.57 | | | | ND | | | | 0.686 | | | | 1.309 | | | | 1.531 | | | | 1.531 | | | | 1.642 | | | | 0.308 | |
| Arsenic | 20 | | | 7.981 | | | | 4.511 | | | | 1.452 | | | | 6.874 | | | | 8.003 | | | | 10.88 | | | | 10.88 | | | | 10.26 | | | | 5.594 | |
| Barium | 700 | | | 25.84 | | | | 12.69 | | | | 5.525 | | | | 26.72 | | | | 24.35 | | | | 24.94 | | | | 24.94 | | | | 24.91 | | | | 36.08 | |
| Beryllium | 2 | | | 0.867 | | | | 0.4361 | | | | 0.2615 | | | | 0.6806 | | | | 0.9024 | | | | 1.19 | | | | 1.19 | | | | 1.143 | | | | 0.2973 | |
| Cadmium | 39 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.0968 | |
| Calcium | NLE | | | 691 | | | | 327.2 | | | | 117.9 | | | | 510 | | | | 440.1 | | | | 809.2 | | | | 809.2 | | | | 611.8 | | | | 865.2 | |
| Chromium | NLE | | | 85.23 | | | | 27.92 | | | | 18.67 | | | | 61.92 | | | | 97.55 | | | | 96.08 | | | | 96.08 | | | | 112.3 | | | | 11.66 | |
| Cobalt | NLE | | | 5.769 | | | | 0.7721 | | | | 0.4013 | | | | 2.925 | | | | 2.623 | | | | 5.587 | | | | 5.587 | | | | 5.818 | | | | 1.554 | |
| Copper | 600 | | | 6.715 | | | | 5.597 | | | | 2.002 | | | | 8.638 | | | | 3.266 | | | | 27.74 | | | | 27.74 | | | | 4.975 | | | | 17.64 | |
| Iron | NLE | | | 34570 | | | | 10120 | | | | 6671 | | | | 28090 | | | | 36430 | | | | 56400 | | | | 56400 | | | | 47360 | | | | 6221 | |
| Lead | 400 | | | 75.52 | | | | 18.46 | | | | 5.525 | | | | 48.57 | | | | 16.89 | | | | 33.19 | | | | 33.19 | | | | 65.52 | | | | 36.85 | |
| Magnesium | NLE | | | 941 | | | | 664.5 | | | | 334.2 | | | | 887.6 | | | | 863.8 | | | | 1385 | | | | 1385 | | | | 1003 | | | | 318.6 | |
| Manganese | NLE | | | 168.8 | | | | 30.3 | | | | 13.35 | | | | 67.87 | | | | 62.27 | | | | 160.5 | | | | 160.5 | | | | 141.4 | | | | 17.63 | |
| Mercury | 14 | | | 0.053 | | | | 0.041 | | | | ND | | | | 0.028 | | | | 0.029 | | | | ND | | | | ND | | | | ND | | | | 0.061 | |
| Nickel | 250 | | | 11.23 | | | | 2.749 | | | | 1.679 | | | | 8.334 | | | | 10.82 | | | | 13.68 | | | | 13.68 | | | | 15.43 | | | | 4.848 | |
| Potassium | NLE | | | 2201 | | | | 1340 | | | | 614.6 | | | | 1966 | | | | 2023 | | | | 3911 | | | | 3911 | | | | 2351 | | | | 648.6 | |
| Selenium | 63 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.385 | |
| Silver | 110 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Sodium | NLE | | | 62.74 | | | | 61.08 | | | | 27.75 | | | | 32.16 | | | | 31.08 | | | | 150.5 | | | | 150.5 | | | | 27.11 | | | | 138.3 | |
| Thallium | 2 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Vanadium | 370 | | | 101.9 | | | | 22.17 | | | | 16.56 | | | | 73.25 | | | | 103 | | | | 123 | | | | 123 | | | | 154.8 | | | | 18.03 | |
| Zinc | 1500 | | | 104.7 | | | | 25.57 | | | | 12.77 | | | | 53.92 | | | | 58.91 | | | | 72.31 | | | | 72.31 | | | | 70.89 | | | | 29.27 | |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP Cleanup Criteria | 3580.27 | | 3580.30 | | 3580.31 | | 3580.34 | | 3580.35 | | 3584.02 | | 3584.03 | | 3584.06 | | 3584.07 | | 3584.10 | | 3584.11 | | 3584.14 | | 3584.15 | | 3584.18 | | 3584.19 | | 3584.22 | | 3584.23 | | 3584.26 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | | B81 (24") | | B82 (6-12") | | B82 (24") | | B83 (6-12") | | B83 (24") | | B84 (6-12") | | B84 (24") | | B85 (6-12") | | B85 (24") | | B86 (6-12") | | B86 (24") | | B87 (6-12") | | B87 (24") | | B88 (6-12") | | B88 (24") | | B89 (6-12") | | B89 (24") | | B90 (6-12") | |
| Sample Date | (mg/kg) | 5/19/1998 | | 5/19/1998 | | 5/19/1998 | | 5/19/1998 | | 5/19/1998 | | 5/20/1998 | | 5/20/1998 | | 5/20/1998 | | 5/20/1998 | | 5/20/1998 | | 5/20/1998 | | 5/20/1998 | | 5/20/1998 | | 5/20/1998 | | 5/20/1998 | | 5/20/1998 | | 5/20/1998 | |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Chloroform | 19 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Methylene Chloride | 49 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Tetrachloroethene | 4 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Toluene | 1000 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4-Methylphenol | 2800 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Naphthalene | 230 | | | ND | | | | ND | | | | 2.3 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.13J | |
| 2-Methylnaphthalene | NLE | | | ND | | | | ND | | | | 4.9 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.17J | |
| Dimethylphthalate | 10,000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Acenaphthylene | NLE | | | ND | | | | ND | | | | 4.4 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Acenaphthene | 3400 | | | ND | | | | ND | | | | 1.9 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Dibenzofuran | NLE | | | ND | | | | ND | | | | 0.54 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Diethylphthalate | 10,000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Fluorene | 2300 | | | ND | | | | ND | | | | 5.3 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| n-Nitrosodiphenylamine | 140 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Phenanthrene | NLE | | | ND | | | | ND | | | | 29E | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.48 | |
| Anthracene | 10,000 | | | ND | | | | ND | | | | 3.2 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Di-n-butylphthalate | 5700 | | | 0.17J | | | | 0.18J | | | | 0.27J | | | | 0.64J | | | | 0.87J | | | | 0.66J | | | | 0.29J | | | | ND | | | | 0.51J | |
| Fluoranthene | 2300 | | | ND | | | | ND | | | | 16E | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.48 | |
| Pyrene | 1700 | | | ND | | | | ND | | | | 30E | | | | 0.14J | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.84 | |
| Butylbenzylphthalate | 1100 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[a]anthracene | 0.9 | | | ND | | | | ND | | | | **13E** | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.36 | |
| 3,3'-Dichlorobenzidine | 2 | | | ND | | | | ND | | | | 1.0 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Chrysene | 9 | | | ND | | | | ND | | | | **21E** | | | | 0.12J | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.59 | |
| bis(2-Ethylhexyl)phthalate | 49 | | | ND | | | | ND | | | | 0.12J | | | | 0.11J | | | | 0.15J | | | | 0.16J | | | | ND | | | | ND | | | | 0.12J | |
| Benzo[b]fluoranthene | 0.9 | | | ND | | | | ND | | | | **9.2** | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.25J | |
| Benzo[k]fluoranthene | 0.9 | | | ND | | | | ND | | | | **8.8** | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.34 | |
| Benzo[a]pyrene | 0.66 | | | ND | | | | ND | | | | **11** | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.41 | |
| Indeno[1,2,3-cd]pyrene | 0.9 | | | ND | | | | ND | | | | **4.9** | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.2J | |
| Dibenz[a,h]anthracene | 0.66 | | | ND | | | | ND | | | | **2.9** | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[g,h,I]perylene | NLE | | | ND | | | | ND | | | | 5.8 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.23J | |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Heptachlor Epoxide | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDE | 2 | | | 0.001 | | | | 0.018 | | | | 0.208 | | | | ND | | | | 0.002 | | | | 0.007 | | | | ND | | | | 0.006 | | | | 0.001 | |
| Dieldrin | 0.042 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endrin | 17 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endosulfan II | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDD | 3 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endrin Aldehyde | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDT | 2 | | | ND | | | | 0.028 | | | | 0.803 | | | | ND | | | | ND | | | | 0.003 | | | | ND | | | | 0.003 | | | | 0.002 | |
| Endosulfan-Sulfate | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| gamma-Chlordane | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| alpha-Chlordane | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Arochlor 1254 | 0.49 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | | | 2449 | | | | 1275 | | | | 9216 | | | | 6650 | | | | 7711 | | | | 7796 | | | | 5870 | | | | 4347 | | | | 4758 | |
| Antimony | 14 | | | 0.356 | | | | 0.255 | | | | 1.288 | | | | 0.52 | | | | 1.219 | | | | 0.834 | | | | 0.834 | | | | 0.237 | | | | 0.945 | |
| Arsenic | 20 | | | 1.387 | | | | 0.858 | | | | 11.23 | | | | 4.61 | | | | 8.103 | | | | 10.68 | | | | 12.43 | | | | 2.981 | | | | 15.53 | |
| Barium | 700 | | | 15.13 | | | | 4.896 | | | | 29.34 | | | | 14.66 | | | | 14.57 | | | | 29.97 | | | | 192.3 | | | | 25.61 | | | | 8.797 | |
| Beryllium | 2 | | | 0.3248 | | | | 0.1492 | | | | 0.634 | | | | 0.3893 | | | | 0.9604 | | | | 0.9373 | | | | **4.787** | | | | 0.3072 | | | | 0.4409 | |
| Cadmium | 39 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.674 | | | | ND | | | | ND | |
| Calcium | NLE | | | 316.7 | | | | 134.9 | | | | 817.1 | | | | 590.2 | | | | 646.2 | | | | 1477 | | | | 1547 | | | | 1663 | | | | 181.2 | |
| Chromium | NLE | | | 19.27 | | | | 12.27 | | | | 62.61 | | | | 37.09 | | | | 91.08 | | | | 88.9 | | | | 54.19 | | | | 7.984 | | | | 58.29 | |
| Cobalt | NLE | | | 0.4012 | | | | 0.2038 | | | | 1.854 | | | | 2.493 | | | | 2.845 | | | | 3.717 | | | | 7.393 | | | | 3.526 | | | | 0.5178 | |
| Copper | 600 | | | 1.524 | | | | 1.995 | | | | 43.09 | | | | 3.002 | | | | 0.413 | | | | 4.648 | | | | **2314** | | | | 46.74 | | | | 139.2 | |
| Iron | NLE | | | 6563 | | | | 4284 | | | | 24830 | | | | 13010 | | | | 41350 | | | | 41280 | | | | 12220 | | | | 5168 | | | | 15660 | |
| Lead | 400 | | | 4.79 | | | | 6.115 | | | | 126.8 | | | | 6.786 | | | | 7.797 | | | | 90.95 | | | | **1267** | | | | 15.43 | | | | 19.27 | |
| Magnesium | NLE | | | 568.3 | | | | 317.3 | | | | 1392 | | | | 974.8 | | | | 780.5 | | | | 1019 | | | | 614.5 | | | | 359.5 | | | | 1090 | |
| Manganese | NLE | | | 12.37 | | | | 8.873 | | | | 40 | | | | 85.56 | | | | 49.43 | | | | 101.9 | | | | 175.7 | | | | 97.42 | | | | 9.783 | |
| Mercury | 14 | | | ND | | | | ND | | | | 0.123 | | | | 0.024 | | | | ND | | | | 0.034 | | | | 0.044 | | | | 0.039 | | | | 0.044 | |
| Nickel | 250 | | | 1.503 | | | | 0.8202 | | | | 7.483 | | | | 3.728 | | | | 12.44 | | | | 14.15 | | | | 22.36 | | | | 10.93 | | | | 2.453 | |
| Potassium | NLE | | | 1045 | | | | 490 | | | | 4076 | | | | 1656 | | | | 1321 | | | | 1580 | | | | 1654 | | | | 633.6 | | | | 3985 | |
| Selenium | 63 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 1.379 | | | | ND | | | | 1.146 | |
| Silver | 110 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 3.472 | | | | ND | | | | ND | |
| Sodium | NLE | | | 13.7 | | | | 23.19 | | | | 61.43 | | | | 38.89 | | | | 40.52 | | | | 116.5 | | | | 335.1 | | | | 440.7 | | | | 186.3 | |
| Thallium | 2 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Vanadium | 370 | | | 13.74 | | | | 9.388 | | | | 58.91 | | | | 32.18 | | | | 108.4 | | | | 113.1 | | | | 18.83 | | | | 9.574 | | | | 11.28 | |
| Zinc | 1500 | | | 12.57 | | | | 7.018 | | | | 46.59 | | | | 20.41 | | | | 57.83 | | | | 79.89 | | | | 500.7 | | | | 26.7 | | | | 35.88 | |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP Cleanup Criteria | 3584.27 | | 3584.30 | | 3584.31 | | 3584.34 | | 3584.35 | | 3588.02 | | 3588.03 | | 3588.06 | | 3588.07 | | 3588.10 | | 3588.11 | | 3588.14 | | 3588.15 | | 3588.18 | | 3588.19 | | 3588.22 | | 3588.23 | | 3593.02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | | B90 (24") | | B91 (6-12") | | B91 (24") | | B92 (6-12") | | B92 (24") | | B93 (6-12") | | B93 (24") | | B94 (6-12") | | B94 (24") | | B95 (6-12") | | B95 (24") | | B96 (6-12") | | B96 (24") | | B97 (6-12") | | B97 (24") | | B98 (6-12") | | B98 (24") | | B99 (6-12") |
| Sample Date | (mg/kg) | 5/20/1998 | | 5/20/1998 | | 5/20/1998 | | 5/20/1998 | | 5/20/1998 | | 5/21/1998 | | 5/21/1998 | | 5/21/1998 | | 5/21/1998 | | 5/21/1998 | | 5/21/1998 | | 5/21/1998 | | 5/21/1998 | | 5/21/1998 | | 5/21/1998 | | 5/21/1998 | | 5/26/1998 |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | |
| Chloroform | 19 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | |
| Methylene Chloride | 49 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | |
| Tetrachloroethene | 4 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | |
| Toluene | 1000 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.48 | |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| 4-Methylphenol | 2800 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Naphthalene | 230 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| 2-Methylnaphthalene | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Dimethylphthalate | 10,000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Acenaphthylene | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Acenaphthene | 3400 | | | ND | | | | 0.59 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Dibenzofuran | NLE | | | ND | | | | 0.64 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Diethylphthalate | 10,000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Fluorene | 2300 | | | ND | | | | 1.1 | | | | 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 | | | | ND | | | | 0.16J | | | ND |
| Anthracene | 10,000 | | | ND | | | | 3.3 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Di-n-butylphthalate | 5700 | | | 0.32J | | | | 0.28J | | | | 0.47J | | | | 0.27J | | | | ND | | | | 0.43J | | | | 0.73J | | | | 0.5J | | | ND |
| Fluoranthene | 2300 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.24 | | | | 0.21J | | | ND |
| Pyrene | 1700 | | | ND | | | | 11.0 | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.16J | | | | 0.2J | | | ND |
| Butylbenzylphthalate | 1100 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Benzo[a]anthracene | 0.9 | | | ND | | | | **7.2** | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.12J | | | | 0.14J | | | ND |
| 3,3'-Dichlorobenzidine | 2 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Chrysene | 9 | | | ND | | | | **9.7** | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.17J | | | | 0.29J | | | ND |
| bis(2-Ethylhexyl)phthalate | 49 | | | 0.11J | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.1J | | | | ND | | | ND |
| Benzo[b]fluoranthene | 0.9 | | | ND | | | | **5.6** | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.11J | | | | 0.16J | | | ND |
| Benzo[k]fluoranthene | 0.9 | | | ND | | | | **3.9** | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Benzo[a]pyrene | 0.66 | | | ND | | | | **5.3** | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.11J | | | | ND | | | ND |
| Indeno[1,2,3-cd]pyrene | 0.9 | | | ND | | | | **3** | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Dibenz[a,h]anthracene | 0.66 | | | ND | | | | 0.64 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Benzo[g,h,I]perylene | NLE | | | ND | | | | 2.8 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Heptachlor Epoxide | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.001 | | | | ND | | | ND |
| 4,4'-DDE | 2 | | | 0.002 | | | | ND | | | | 0.008 | | | | 0.002 | | | | ND | | | | 0.003 | | | | 0.008 | | | | 0.166 | | | 0.008 |
| Dieldrin | 0.042 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Endrin | 17 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Endosulfan II | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| 4,4'-DDD | 3 | | | ND | | | | ND | | | | 0.004 | | | | ND | | | | ND | | | | ND | | | | 0.003 | | | | 0.02 | | | ND |
| Endrin Aldehyde | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| 4,4'-DDT | 2 | | | 0.002 | | | | ND | | | | 0.032 | | | | 0.004 | | | | ND | | | | 0.002 | | | | 0.014 | | | | 0.077 | | | 0.008 |
| Endosulfan-Sulfate | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.009 | | | ND |
| gamma-Chlordane | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| alpha-Chlordane | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Arochlor 1254 | 0.49 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | | | 2982 | | | | 2424 | | | | 6587 | | | | 7273 | | | | 6776 | | | | 1231 | | | | 8665 | | | | 2673 | | | 3319 |
| Antimony | 14 | | | 0.542 | | | | 0.305 | | | | 0.864 | | | | 0.705 | | | | 0.293 | | | | 1.11 | | | | 0.813 | | | | 0.397 | | | 1.522 |
| Arsenic | 20 | | | 4.745 | | | | 1.092 | | | | 9.735 | | | | 9.53 | | | | 7.075 | | | | 12.33 | | | | 9.33 | | | | 7.349 | | | 4.823 |
| Barium | 700 | | | 21.03 | | | | 12.71 | | | | 18.68 | | | | 21.47 | | | | 50.99 | | | | 96.83 | | | | 35.87 | | | | 108.4 | | | 25.33 |
| Beryllium | 2 | | | 0.3972 | | | | 0.3802 | | | | 0.49 | | | | 0.7067 | | | | 0.591 | | | | 0.1224 | | | | 0.6407 | | | | 0.2846 | | | 0.2113 |
| Cadmium | 39 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.415 | | | 8.552 |
| Calcium | NLE | | | 987.9 | | | | 168.5 | | | | 393.2 | | | | 502.8 | | | | 1605 | | | | 383.6 | | | | 1533 | | | | 1042 | | | 1011 |
| Chromium | NLE | | | 27.55 | | | | 16.35 | | | | 56.44 | | | | 57.07 | | | | 28.21 | | | | 11.51 | | | | 41.47 | | | | 11.65 | | | 20.07 |
| Cobalt | NLE | | | 0.9371 | | | | 0.4263 | | | | 1.026 | | | | 3.164 | | | | 4.892 | | | | 1.152 | | | | 3.802 | | | | 2.666 | | | 2.289 |
| Copper | 600 | | | 10.16 | | | | 2.46 | | | | 11.74 | | | | 2.615 | | | | 19.37 | | | | 26.15 | | | | 14.07 | | | | 48.11 | | | **1168** |
| Iron | NLE | | | 12860 | | | | 6114 | | | | 21140 | | | | 28210 | | | | 10070 | | | | 7920 | | | | 21290 | | | | 4878 | | | 7295 |
| Lead | 400 | | | 50.74 | | | | 5.981 | | | | 30.17 | | | | 131.3 | | | | 18.73 | | | | 78.99 | | | | 46.73 | | | | 69.52 | | | **4549** |
| Magnesium | NLE | | | 748 | | | | 517.9 | | | | 879 | | | | 895 | | | | 1135 | | | | 286 | | | | 1372 | | | | 342.3 | | | 783.4 |
| Manganese | NLE | | | 28.45 | | | | 22.4 | | | | 16.42 | | | | 67.3 | | | | 32.46 | | | | 15.55 | | | | 78.04 | | | | 59.09 | | | 2581 |
| Mercury | 14 | | | 0.053 | | | | 0.036 | | | | 0.051 | | | | 0.024 | | | | 0.05 | | | | 0.184 | | | | 0.099 | | | | 0.34 | | | 4.465 |
| Nickel | 250 | | | 3.39 | | | | 1.526 | | | | 4.015 | | | | 8.536 | | | | 14.98 | | | | 4.765 | | | | 11.81 | | | | 8.137 | | | 6.487 |
| Potassium | NLE | | | 1988 | | | | 1086 | | | | 2804 | | | | 2075 | | | | 2495 | | | | 472.2 | | | | 3002 | | | | 456 | | | 1426 |
| Selenium | 63 | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.627 | | | | 3.91 | | | | ND | | | | 1.474 | | | 0.504 |
| Silver | 110 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.421 | | | 37.83 |
| Sodium | NLE | | | 128.8 | | | | 22.98 | | | | 91.43 | | | | 37.29 | | | | 216.6 | | | | 58.66 | | | | 183.9 | | | | 177.3 | | | 235.1 |
| Thallium | 2 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | ND |
| Vanadium | 370 | | | 11.94 | | | | 9.943 | | | | 51.64 | | | | 75.4 | | | | 25.26 | | | | 9.353 | | | | 50.3 | | | | 10.97 | | | 16.76 |
| Zinc | 1500 | | | 76.22 | | | | 14.81 | | | | 27.7 | | | | 41.81 | | | | 27.54 | | | | 13.94 | | | | 43.54 | | | | 73.52 | | | **9772** |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP Cleanup Criteria | 3593.03 | 3665.12 | 3665.13 | 3665.16 | 3665.17 | 3665.19 | 3665.20 | 3665.22 | 3665.23 | 3686.04 | 3686.05 | 3686.07 | 3686.08 | 3686.10 | 3686.11 | 3688.02 | 3688.03 | 3688.06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | | B99 (24") | B158 (6-12") | B158 (24") | B159 (6-12") | B159 (24") | B160 (6-12") | B160 (24") | B161 (6-12") | B161 (24") | B162 (6-12") | B162 (17") | B163 (6-12") | B163 (19") | B164 (6-12") | B164 (24") | B165 (6-12") | B165 (24") | B166 (6-12") |
| Sample Date | (mg/kg) | 5/26/1998 | 6/17/1998 | 6/17/1998 | 6/17/1998 | 6/17/1998 | 6/17/1998 | 6/17/1998 | 6/17/1998 | 6/17/1998 | 6/26/1998 | 6/26/1998 | 6/26/1998 | 6/26/1998 | 6/26/1998 | 6/26/1998 | 6/29/1998 | 6/29/1998 | 6/29/1998 |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Chloroform | 19 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Methylene Chloride | 49 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Tetrachloroethene | 4 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Toluene | 1000 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4-Methylphenol | 2800 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Naphthalene | 230 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 2-Methylnaphthalene | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Dimethylphthalate | 10,000 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Acenaphthylene | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Acenaphthene | 3400 | | 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 |
| Fluorene | 2300 | | 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 | | 0.23 | | ND | | ND | | ND |
| Anthracene | 10,000 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Di-n-butylphthalate | 5700 | | 0.23J | | 0.21J | | 0. | | 0.18J | | 0.46J | | 0. | | 0.38J | | 0.24J | | 0.29J |
| Fluoranthene | 2300 | | ND | | ND | | 0.3 | | ND | | ND | | 0.83 | | ND | | ND | | ND |
| Pyrene | 1700 | | ND | | ND | | 0.4 | | ND | | ND | | 1.1 | | ND | | 0.11J | | ND |
| Butylbenzylphthalate | 1100 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Benzo[a]anthracene | 0.9 | | ND | | ND | | 0.15J | | ND | | ND | | 0.59 | | ND | | ND | | ND |
| 3,3'-Dichlorobenzidine | 2 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Chrysene | 9 | | ND | | ND | | 0.34 | | ND | | ND | | 1.1 | | ND | | ND | | 0.16J |
| bis(2-Ethylhexyl)phthalate | 49 | | ND | | ND | | ND | | ND | | ND | | 13.0 | | ND | | ND | | ND |
| Benzo[b]fluoranthene | 0.9 | | ND | | ND | | 0.14J | | ND | | ND | | 0.61 | | ND | | ND | | 0.17J |
| Benzo[k]fluoranthene | 0.9 | | ND | | ND | | 0.13J | | ND | | ND | | 0.63 | | ND | | ND | | 0.14J |
| Benzo[a]pyrene | 0.66 | | ND | | ND | | 0.13J | | ND | | ND | | 0.53 | | ND | | ND | | ND |
| Indeno[1,2,3-cd]pyrene | 0.9 | | ND | | ND | | ND | | ND | | ND | | 0.29 | | ND | | ND | | 0.12J |
| Dibenz[a,h]anthracene | 0.66 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Benzo[g,h,I]perylene | NLE | | ND | | ND | | ND | | ND | | ND | | 0.31 | | ND | | ND | | ND |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | | ND | | ND | | 0.003 | | ND | | ND | | ND | | ND | | ND | | ND |
| Heptachlor Epoxide | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4,4'-DDE | 2 | | ND | | 0.003 | | 0.011 | | ND | | ND | | ND | | ND | | 0.011 | | 0.003 |
| Dieldrin | 0.042 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Endrin | 17 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Endosulfan II | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4,4'-DDD | 3 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Endrin Aldehyde | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4,4'-DDT | 2 | | ND | | 0.003 | | 0.019 | | ND | | ND | | ND | | ND | | 0.01 | | 0.01 |
| Endosulfan-Sulfate | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| gamma-Chlordane | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| alpha-Chlordane | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Arochlor 1254 | 0.49 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | | 2715 | | NDA | | 6285 | | 5319 | | 2685 | | 7000 | | 1807 | | 5053 | | 9267 |
| Antimony | 14 | | 0.349 | | NDA | | 0.487 | | 0.579 | | 0.337 | | 4.693 | | 0.31 | | 0.822 | | 1.298 |
| Arsenic | 20 | | 1.328 | | NDA | | 8.398 | | 4.368 | | 5.292 | | **67.77** | | 0.977 | | 6.525 | | 17.45 |
| Barium | 700 | | 15.24 | | NDA | | 16.27 | | 11.72 | | 35.73 | | 180.7 | | 8.533 | | 15.48 | | 14.34 |
| Beryllium | 2 | | 0.401 | | NDA | | 0.5945 | | 0.4884 | | 0.2658 | | 0.562 | | 0.3014 | | 0.4805 | | 0.5758 |
| Cadmium | 39 | | 0.1991 | | NDA | | ND | | ND | | 0.4376 | | ND | | 0.4001 | | 0.2383 | | ND |
| Calcium | NLE | | 230.8 | | NDA | | 705.6 | | 395 | | 1154 | | 9589 | | 211.4 | | 665 | | 441.5 |
| Chromium | NLE | | 20.65 | | NDA | | 48.92 | | 41.48 | | 13.87 | | 65.41 | | 14.53 | | 55.07 | | 72.9 |
| Cobalt | NLE | | 0.3999 | | NDA | | 2.458 | | 1.602 | | 2.082 | | 14.15 | | 0.2978 | | 0.9522 | | 0.8807 |
| Copper | 600 | | 1.01 | | NDA | | 7.446 | | 1.858 | | 23.12 | | 433 | | 1.341 | | 12.07 | | 7.172 |
| Iron | NLE | | 7173 | | NDA | | 25200 | | 13430 | | 5905 | | 131900 | | 5494 | | 18160 | | 30120 |
| Lead | 400 | | 3.345 | | NDA | | 22.86 | | 4.473 | | 46.83 | | 98.63 | | 2.754 | | 42.83 | | 14.31 |
| Magnesium | NLE | | 712.5 | | NDA | | 914.9 | | 1036 | | 494.8 | | 1008 | | 363.8 | | 983.2 | | 902.7 |
| Manganese | NLE | | 20.15 | | NDA | | 50.78 | | 34.64 | | 24.99 | | 623.9 | | 17.74 | | 30.92 | | 12.46 |
| Mercury | 14 | | ND | | NDA | | 0.032 | | ND | | 0.031 | | 0.067 | | ND | | 0.051 | | 0.064 |
| Nickel | 250 | | 1.697 | | NDA | | 6.746 | | 2.982 | | 5.629 | | 67.18 | | 1.4 | | 3.563 | | 4.461 |
| Potassium | NLE | | 1740 | | NDA | | 1640 | | 2860 | | 716.6 | | 1579 | | 587.3 | | 2960 | | 2850 |
| Selenium | 63 | | ND | | NDA | | ND | | ND | | ND | | ND | | ND | | ND | | 0.371 |
| Silver | 110 | | ND | | NDA | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Sodium | NLE | | 61.53 | | NDA | | 62.96 | | ND | | 134.2 | | 953.4 | | 4.653 | | 46.52 | | 7.854 |
| Thallium | 2 | | ND | | NDA | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Vanadium | 370 | | 11.98 | | NDA | | 58.35 | | 30.25 | | 17.05 | | 15.28 | | 10.23 | | 43.13 | | 62.26 |
| Zinc | 1500 | | 15.95 | | NDA | | 39.62 | | 17.6 | | 29.63 | | 457.1 | | 13.81 | | 37.72 | | 32.28 |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP Cleanup Criteria | 3688.07 | | 3688.09 | | 3688.10 | | 3688.12 | | 3688.13 | | 3688.15 | | 3688.16 | | 3722.12 | | 3722.13 | | 3722.15 | | 3722.16 | | 3722.18 | | 3722.19 | | 3722.21 | | 3722.22 | | 3805.02 | | 3805.03 | | 3805.04 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | | B166 (24") | | B167 (6-12") | | B167 (24") | | B168 (6-12") | | B168 (24") | | B169 (6-12") | | B169 (24") | | B178 (6-12") | | B178 (24") | | B179 (6-12") | | B179 (24") | | B180 (6-12") | | B180 (24") | | B181 (6-12") | | B181 (24") | | B197 (6-12") | | B197 (24") | | B198 (6-12") | |
| Sample Date | (mg/kg) | 6/29/1998 | | 6/29/1998 | | 6/29/1998 | | 6/29/1998 | | 6/29/1998 | | 6/29/1998 | | 6/29/1998 | | 7/13/1998 | | 7/13/1998 | | 7/13/1998 | | 7/13/1998 | | 7/13/1998 | | 7/13/1998 | | 7/13/1998 | | 7/13/1998 | | 8/12/1998 | | 8/12/1998 | | 8/12/1998 | |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Chloroform | 19 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Methylene Chloride | 49 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Tetrachloroethene | 4 | ND | | | | 3.2 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Toluene | 1000 | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4-Methylphenol | 2800 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Naphthalene | 230 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 2-Methylnaphthalene | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Dimethylphthalate | 10,000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Acenaphthylene | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Acenaphthene | 3400 | | | 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 | |
| Fluorene | 2300 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| n-Nitrosodiphenylamine | 140 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Phenanthrene | NLE | | | 0.74 | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.25 | | | | ND | | | | ND | | | | ND | |
| Anthracene | 10,000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Di-n-butylphthalate | 5700 | | | 0.12J | | | | 0.48J | | | | 0.19J | | | | 0.58J | | | | 0.31J | | | | 0.61J | | | | 0.76J | | | | ND | | | | 0.72J | |
| Fluoranthene | 2300 | | | 0.47 | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.23 | | | | ND | | | | ND | | | | ND | |
| Pyrene | 1700 | | | 0.92 | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.37 | | | | ND | | | | ND | | | | ND | |
| Butylbenzylphthalate | 1100 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[a]anthracene | 0.9 | | | 0.28 | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.14J | | | | ND | | | | ND | | | | ND | |
| 3,3'-Dichlorobenzidine | 2 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Chrysene | 9 | | | 0.58 | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.39 | | | | ND | | | | ND | | | | ND | |
| bis(2-Ethylhexyl)phthalate | 49 | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.11J | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[b]fluoranthene | 0.9 | | | 0.2J | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.11J | | | | ND | | | | ND | | | | ND | |
| Benzo[k]fluoranthene | 0.9 | | | 0.22 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[a]pyrene | 0.66 | | | 0.21 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Indeno[1,2,3-cd]pyrene | 0.9 | | | 0.12J | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Dibenz[a,h]anthracene | 0.66 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[g,h,I]perylene | NLE | | | 0.14J | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Heptachlor Epoxide | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDE | 2 | | | 0.067 | | | | 0.003 | | | | ND | | | | ND | | | | 0.002 | | | | 0.006 | | | | ND | | | | 0.033 | | | | 0.017 | |
| Dieldrin | 0.042 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endrin | 17 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endosulfan II | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDD | 3 | | | 0.016 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.001 | | | | 0.001 | |
| Endrin Aldehyde | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDT | 2 | | | 0.091 | | | | 0.002 | | | | ND | | | | ND | | | | 0.002 | | | | 0.009 | | | | ND | | | | 0.015 | | | | 0.019 | |
| Endosulfan-Sulfate | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| gamma-Chlordane | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| alpha-Chlordane | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Arochlor 1254 | 0.49 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | | | 6171 | | | | 3375 | | | | 1764 | | | | 5330 | | | | 1710 | | | | 10000 | | | | 12500 | | | | 5970 | | | | 4720 | |
| Antimony | 14 | | | 0.638 | | | | ND | | | | 0.368 | | | | 0.54 | | | | 0.391 | | | | 0.537 | | | | 1.16 | | | | 0.253 | | | | 1.48 | |
| Arsenic | 20 | | | 9.463 | | | | 4.215 | | | | 3.946 | | | | 6.39 | | | | 1.55 | | | | 9.99 | | | | 11.6 | | | | 4.98 | | | | **59.1** | |
| Barium | 700 | | | 54.63 | | | | 31.47 | | | | 45.13 | | | | 21.4 | | | | 5.27 | | | | 42.8 | | | | 14.2 | | | | 47.1 | | | | 68.6 | |
| Beryllium | 2 | | | 0.5529 | | | | 0.3019 | | | | 0.1749 | | | | 0.728 | | | | 0.255 | | | | 1.35 | | | | 1.8 | | | | 0.53 | | | | 0.548 | |
| Cadmium | 39 | | | 0.3187 | | | | 0.3736 | | | | 0.3013 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Calcium | NLE | | | 1435 | | | | 1273 | | | | 624.1 | | | | 851 | | | | 127 | | | | 1240 | | | | 86.4 | | | | 1720 | | | | 918 | |
| Chromium | NLE | | | 47.49 | | | | 10.58 | | | | 3.82 | | | | 58.8 | | | | 19.6 | | | | 110 | | | | 139 | | | | 17.1 | | | | 19.5 | |
| Cobalt | NLE | | | 2.798 | | | | 4.252 | | | | 1.702 | | | | 1.22 | | | | 0.247 | | | | 1.97 | | | | 1.1 | | | | 5.69 | | | | 11.4 | |
| Copper | 600 | | | 38.89 | | | | 20.07 | | | | 14.28 | | | | 4.95 | | | | 1 | | | | 7.44 | | | | ND | | | | 37.8 | | | | 92.6 | |
| Iron | NLE | | | 21260 | | | | 4301 | | | | 2469 | | | | 19400 | | | | 7740 | | | | 35100 | | | | 48800 | | | | 7220 | | | | 38400 | |
| Lead | 400 | | | 94.14 | | | | 20.43 | | | | 18.74 | | | | 7.58 | | | | 7.32 | | | | 14.6 | | | | 6.18 | | | | 40 | | | | 119 | |
| Magnesium | NLE | | | 1306 | | | | 468.3 | | | | 159.2 | | | | 1620 | | | | 436 | | | | 4220 | | | | 1660 | | | | 791 | | | | 491 | |
| Manganese | NLE | | | 59.92 | | | | 34.87 | | | | 17.16 | | | | 38.7 | | | | 4.3 | | | | 45.3 | | | | 17.6 | | | | 47.8 | | | | 121 | |
| Mercury | 14 | | | 0.101 | | | | 0.025 | | | | ND | | | | 1.68 | | | | 0.013 | | | | 0.042 | | | | 0.028 | | | | 0.063 | | | | 0.029 | |
| Nickel | 250 | | | 8.902 | | | | 11.23 | | | | 4.544 | | | | 3.57 | | | | 1.14 | | | | 5.91 | | | | 6.24 | | | | 14.9 | | | | 18.2 | |
| Potassium | NLE | | | 3105 | | | | 598.3 | | | | 193.8 | | | | 3980 | | | | 774 | | | | 9010 | | | | 3210 | | | | 1300 | | | | 1330 | |
| Selenium | 63 | | | 0.342 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Silver | 110 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Sodium | NLE | | | 690 | | | | 226.4 | | | | 147.4 | | | | 84.8 | | | | 42.6 | | | | 109 | | | | 56.6 | | | | 290 | | | | 393 | |
| Thallium | 2 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Vanadium | 370 | | | 41.98 | | | | 14.73 | | | | 9.161 | | | | 18.3 | | | | 17 | | | | 40.3 | | | | 92.1 | | | | 23.2 | | | | 17.5 | |
| Zinc | 1500 | | | 61.39 | | | | 28.85 | | | | 11.74 | | | | 48.4 | | | | 10.5 | | | | 51.5 | | | | 44.9 | | | | 31.9 | | | | 114 | |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP Cleanup Criteria | 3805.05 | 3805.06 | 3805.07 | 3805.08 | 3805.09 | 3805.10 | 3805.11 | 3805.12 | 3805.13 | 3805.14 | 3805.15 | 3805.16 | 3805.17 | 3805.18 | 3805.19 | 3805.20 | 3805.21 | 3805.22 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | | B198 (24") | B199 (6-12") | B199 (24") | B200 (6-12") | B200 (24") | B201 (6-12") | B201 (24") | B202 (6-12") | B202 (24") | B203 (6-12") | B203 (24") | B204 (6-12") | B204 (24") | B205 (6-12") | B205 (24") | B206 (6-12") | B206 (24") | B207 (6-12") |
| Sample Date | (mg/kg) | 8/12/1998 | 8/12/1998 | 8/12/1998 | 8/12/1998 | 8/12/1998 | 8/12/1998 | 8/12/1998 | 8/12/1998 | 8/12/1998 | 8/12/1998 | 8/12/1998 | 8/12/1998 | 8/12/1998 | 8/12/1998 | 8/12/1998 | 8/12/1998 | 8/12/1998 | 8/12/1998 |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Chloroform | 19 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Methylene Chloride | 49 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Tetrachloroethene | 4 | ND | | ND | | ND | | ND | | ND | | 0.78 | | ND | | ND | | ND | |
| Toluene | 1000 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4-Methylphenol | 2800 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Naphthalene | 230 | | ND | | ND | | ND | | 0.13J | | ND | | ND | | ND | | ND | | ND |
| 2-Methylnaphthalene | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Dimethylphthalate | 10,000 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Acenaphthylene | NLE | | 0.078J | | ND | | ND | | 0.53 | | ND | | ND | | ND | | ND | | ND |
| Acenaphthene | 3400 | | 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 |
| Fluorene | 2300 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| n-Nitrosodiphenylamine | 140 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Phenanthrene | NLE | | 0.26 | | ND | | 1.0 | | 2.1 | | 0.38 | | ND | | ND | | ND | | ND |
| Anthracene | 10,000 | | ND | | ND | | 0.28 | | 0.39 | | ND | | ND | | ND | | ND | | ND |
| Di-n-butylphthalate | 5700 | | 0.7J | | 0.63J | | 1.2 | | 0.57J | | 0.21J | | 0.21J | | 0.27J | | 0.24J | | ND |
| Fluoranthene | 2300 | | 0.4 | | 0.17J | | 1.1 | | 4.5 | | 0.51 | | 0.14J | | ND | | ND | | ND |
| Pyrene | 1700 | | 0.56 | | 0.26 | | 0.95 | | 5.1 | | 0.74 | | 0.26 | | ND | | ND | | ND |
| Butylbenzylphthalate | 1100 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Benzo[a]anthracene | 0.9 | | 0.23J | | 0.13J | | 0.47 | | **2.7** | | 0.26 | | 0.12J | | ND | | ND | | ND |
| 3,3'-Dichlorobenzidine | 2 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Chrysene | 9 | | 0.46 | | 0.29 | | 0.67 | | 4.9 | | 0.49 | | 0.24J | | ND | | ND | | ND |
| bis(2-Ethylhexyl)phthalate | 49 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Benzo[b]fluoranthene | 0.9 | | 0.22J | | 0.16J | | 0.36 | | **3.1** | | 0.23J | | ND | | ND | | ND | | ND |
| Benzo[k]fluoranthene | 0.9 | | 0.23 | | 0.17J | | 0.36 | | **2.8** | | 0.25 | | ND | | ND | | ND | | ND |
| Benzo[a]pyrene | 0.66 | | 0.24 | | 0.13J | | 0.39 | | **2.9** | | 0.26 | | ND | | ND | | ND | | ND |
| Indeno[1,2,3-cd]pyrene | 0.9 | | ND | | ND | | ND | | **2.1** | | 0.15J | | ND | | ND | | ND | | ND |
| Dibenz[a,h]anthracene | 0.66 | | ND | | ND | | ND | | **1.5** | | ND | | ND | | ND | | ND | | ND |
| Benzo[g,h,I]perylene | NLE | | ND | | ND | | ND | | 2.2 | | 0.14J | | ND | | ND | | ND | | ND |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Heptachlor Epoxide | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4,4'-DDE | 2 | | 0.26 | | 0.01 | | 0.047 | | 0.016 | | 0.102 | | 0.024 | | ND | | 0.004 | | ND |
| Dieldrin | 0.042 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Endrin | 17 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Endosulfan II | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4,4'-DDD | 3 | | 0.116 | | ND | | ND | | ND | | 0.031 | | 0.004 | | ND | | 0.003 | | ND |
| Endrin Aldehyde | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4,4'-DDT | 2 | | 1.321 | | 0.01 | | ND | | 0.054 | | 0.34 | | 0.019 | | ND | | 0.003 | | ND |
| Endosulfan-Sulfate | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| gamma-Chlordane | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| alpha-Chlordane | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Arochlor 1254 | 0.49 | | ND | | ND | | **1.499** | | ND | | ND | | ND | | ND | | ND | | 0.165 |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | | 9820 | | 10500 | | 5920 | | 5990 | | 6500 | | 3940 | | 4920 | | 12300 | | 3020 |
| Antimony | 14 | | 6.56 | | 0.35 | | 0.617 | | 0.751 | | 0.359 | | ND | | ND | | ND | | 0.411 |
| Arsenic | 20 | | 11.5 | | 8.59 | | 5.5 | | 7.11 | | 6.34 | | 5.27 | | 7.61 | | 8.46 | | 6.07 |
| Barium | 700 | | 363 | | 147 | | 84.6 | | 113 | | 25.5 | | 35.5 | | 61.6 | | 99.6 | | 22.3 |
| Beryllium | 2 | | 0.9 | | 0.743 | | 0.92 | | 0.58 | | 0.428 | | 0.389 | | 0.354 | | 0.985 | | 0.288 |
| Cadmium | 39 | | ND | | 0.543 | | 0.929 | | ND | | ND | | ND | | ND | | ND | | ND |
| Calcium | NLE | | 537 | | 1390 | | 1500 | | 455 | | 2470 | | 1100 | | 1010 | | 1270 | | 670 |
| Chromium | NLE | | 77.4 | | 25.8 | | 37.8 | | 49.8 | | 36 | | 19.8 | | 12.9 | | 26.4 | | 18.4 |
| Cobalt | NLE | | 5.14 | | 7.57 | | 5.81 | | 1.98 | | 4.27 | | 4.61 | | 4.8 | | 9.39 | | 3.91 |
| Copper | 600 | | 122 | | 38.6 | | 47.3 | | 77.4 | | 36.4 | | 35 | | 18.1 | | 110 | | 31.8 |
| Iron | NLE | | 33400 | | 15300 | | 12600 | | 23300 | | 14600 | | 8620 | | 5100 | | 10200 | | 15100 |
| Lead | 400 | | **494** | | 37.6 | | 62.8 | | 268 | | 23.8 | | 35 | | 28.6 | | 39.9 | | 12.6 |
| Magnesium | NLE | | 1700 | | 900 | | 1430 | | 1680 | | 2450 | | 630 | | 342 | | 540 | | 329 |
| Manganese | NLE | | 143 | | 126 | | 332 | | 39.1 | | 83.9 | | 61.8 | | 21.1 | | 63.2 | | 65.6 |
| Mercury | 14 | | 0.153 | | 0.044 | | 0.391 | | 0.115 | | 0.602 | | 0.064 | | ND | | ND | | 0.047 |
| Nickel | 250 | | 23.6 | | 19.6 | | 10.5 | | 5.95 | | 11 | | 8.78 | | 14.5 | | 24.5 | | 11.9 |
| Potassium | NLE | | 4160 | | 3580 | | 3670 | | 3720 | | 3560 | | 1470 | | 989 | | 2280 | | 852 |
| Selenium | 63 | | ND | | ND | | ND | | ND | | ND | | ND | | 1.24 | | ND | | 0.606 |
| Silver | 110 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Sodium | NLE | | 535 | | 485 | | 526 | | 566 | | 411 | | 207 | | 339 | | 460 | | 252 |
| Thallium | 2 | | ND | | ND | | ND | | 0.498 | | ND | | ND | | ND | | ND | | ND |
| Vanadium | 370 | | 43.5 | | 30.9 | | 25.3 | | 31.2 | | 36.7 | | 22.9 | | 23.7 | | 31.5 | | 17.1 |
| Zinc | 1500 | | 116 | | 80.2 | | 514 | | 38.1 | | 39.2 | | 29.2 | | 27.2 | | 31.8 | | 165 |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP Cleanup Criteria | 3805.23 | | 3805.24 | | 3805.25 | | 3805.26 | | 3805.27 | | 3805.28 | | 3805.29 | | 3805.30 | | 3805.31 | | 3809.02 | | 3809.03 | | 3809.04 | | 3809.05 | | 3809.06 | | 3809.07 | | 3809.08 | | 3809.09 | | 3809.10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | | B207 (24") | | B208 (6-12") | | B208 (24") | | B209 (6-12") | | B209 (24") | | B210 (6-12") | | B210 (24") | | B211 (6-12") | | B211 (24") | | B212 (6-12") | | B212 (24") | | B213 (6-12") | | B213 (24") | | B214 (6-12") | | B214 (24") | | B215 (6-12") | | B215 (24") | | B216 (6-12") | |
| Sample Date | (mg/kg) | 8/12/1998 | | 8/12/1998 | | 8/12/1998 | | 8/12/1998 | | 8/12/1998 | | 8/12/1998 | | 8/12/1998 | | 8/12/1998 | | 8/12/1998 | | 8/13/1998 | | 8/13/1998 | | 8/13/1998 | | 8/13/1998 | | 8/13/1998 | | 8/13/1998 | | 8/13/1998 | | 8/13/1998 | | 8/13/1998 | |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | ND | | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | |
| Chloroform | 19 | ND | | | ND | | 0.45 | | 0.49 | | 0.55 | | 0.46 | | 0.52 | | 0.41 | | 0.43 | | | | | | | | | | | | | | | | |
| Methylene Chloride | 49 | ND | | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| Tetrachloroethene | 4 | ND | | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| Toluene | 1000 | ND | | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4-Methylphenol | 2800 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Naphthalene | 230 | | ND | | 0.12J | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 2-Methylnaphthalene | NLE | | ND | | 0.12J | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Dimethylphthalate | 10,000 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Acenaphthylene | NLE | | ND | | 0.26 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Acenaphthene | 3400 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Dibenzofuran | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Diethylphthalate | 10,000 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Fluorene | 2300 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| n-Nitrosodiphenylamine | 140 | | ND | | ND | | ND | | 0.06J | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Phenanthrene | NLE | | ND | | 0.76 | | ND | | 0.15J | | 0.14J | | 0.28J | | 0.19J | | 0.16J | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Anthracene | 10,000 | | ND | | 0.2 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Di-n-butylphthalate | 5700 | | 0.25J | | 0.54J | | 0.84 | | 0.58J | | 0.33J | | 0.67J | | 0.26J | | 0.66J | | 0.25J | | | | | | | | | | | | | | | | |
| Fluoranthene | 2300 | | ND | | 1.4 | | 0.19J | | 0.16J | | 0.37J | | 0.37J | | 0.22J | | 0.16J | | 0.28J | | | | | | | | | | | | | | | | |
| Pyrene | 1700 | | ND | | 1.1 | | 0.26 | | 0.27 | | 0.4J | | 0.56J | | 0.31J | | 0.27J | | 0.34J | | | | | | | | | | | | | | | | |
| Butylbenzylphthalate | 1100 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| Benzo[a]anthracene | 0.9 | | ND | | ND | | 0.11J | | ND | | 0.23J | | 0.2J | | 0.12J | | ND | | 0.14J | | | | | | | | | | | | | | | | |
| 3,3'-Dichlorobenzidine | 2 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| Chrysene | 9 | | ND | | ND | | 0.24J | | ND | | 0.36J | | 0.46J | | 0.24J | | ND | | 0.28J | | | | | | | | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | 49 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| Benzo[b]fluoranthene | 0.9 | | ND | | 0.53 | | ND | | ND | | 0.18J | | 0.19J | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| Benzo[k]fluoranthene | 0.9 | | ND | | ND | | ND | | ND | | 0.22J | | 0.24J | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| Benzo[a]pyrene | 0.66 | | ND | | 0.4 | | ND | | ND | | 0.2J | | 0.22J | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| Indeno[1,2,3-cd]pyrene | 0.9 | | ND | | 0.19J | | ND | | ND | | 0.12J | | 0.14J | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| Dibenz[a,h]anthracene | 0.66 | | ND | | 0.17J | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| Benzo[g,h,i]perylene | NLE | | ND | | 0.19J | | ND | | ND | | 0.21J | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Heptachlor Epoxide | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4,4'-DDE | 2 | | 0.005 | | 0.028 | | 0.057 | | 0.057 | | ND | | 0.473 | | 0.313 | | 0.013 | | 0.088 | | | | | | | | | | | | | | | | |
| Dieldrin | 0.042 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| Endrin | 17 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| Endosulfan II | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| 4,4'-DDD | 3 | | ND | | 0.025 | | 0.014 | | 0.008 | | ND | | 0.814 | | 0.214 | | 0.004 | | 0.008 | | | | | | | | | | | | | | | | |
| Endrin Aldehyde | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| 4,4'-DDT | 2 | | 0.006 | | 0.167 | | 0.025 | | 0.014 | | ND | | 1.042 | | 0.463 | | 0.015 | | 0.106 | | | | | | | | | | | | | | | | |
| Endosulfan-Sulfate | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| gamma-Chlordane | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| alpha-Chlordane | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| Arochlor 1254 | 0.49 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | | 3420 | | 6840 | | 5330 | | 958 | | 3050 | | 3690 | | 6270 | | 7680 | | 10900 | | | | | | | | | | | | | | | | |
| Antimony | 14 | | 0.737 | | 0.87 | | 0.665 | | ND | | ND | | 0.466 | | 1.24 | | 0.827 | | 1.7 | | | | | | | | | | | | | | | | |
| Arsenic | 20 | | 10.7 | | 8.17 | | 9.51 | | 1.23 | | 9 | | 10.5 | | 10.9 | | 6.37 | | 18.5 | | | | | | | | | | | | | | | | |
| Barium | 700 | | 71.1 | | 59.7 | | 43.6 | | 129 | | 55.3 | | 70.3 | | 42.5 | | 28.8 | | 9.95 | | | | | | | | | | | | | | | | |
| Beryllium | 2 | | 0.525 | | 0.671 | | 0.525 | | 0.0934 | | 0.423 | | 0.492 | | 0.591 | | 0.885 | | 1.27 | | | | | | | | | | | | | | | | |
| Cadmium | 39 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| Calcium | NLE | | 714 | | 1740 | | 2000 | | 405 | | 1440 | | 777 | | 320 | | 747 | | 511 | | | | | | | | | | | | | | | | |
| Chromium | NLE | | 32 | | 43.7 | | 36.8 | | 2.75 | | 5.38 | | 26.1 | | 67.3 | | 78.2 | | 122 | | | | | | | | | | | | | | | | |
| Cobalt | NLE | | 2.42 | | 3.08 | | 2.66 | | 1.56 | | 2.47 | | 2.82 | | 0.937 | | 1.07 | | 0.799 | | | | | | | | | | | | | | | | |
| Copper | 600 | | 58 | | 36.6 | | 26.3 | | 12.1 | | 14.6 | | 33.1 | | 7.75 | | 4.39 | | 3.87 | | | | | | | | | | | | | | | | |
| Iron | NLE | | 14800 | | 18600 | | 15500 | | 2220 | | 5180 | | 16000 | | 36000 | | 24600 | | 36400 | | | | | | | | | | | | | | | | |
| Lead | 400 | | 135 | | 289 | | 73.8 | | 7.32 | | 25.3 | | 146 | | 20.2 | | 11.8 | | 12.6 | | | | | | | | | | | | | | | | |
| Magnesium | NLE | | 995 | | 1800 | | 1850 | | 136 | | 316 | | 918 | | 2080 | | 2350 | | 3600 | | | | | | | | | | | | | | | | |
| Manganese | NLE | | 36.2 | | 72.7 | | 73.2 | | 25.5 | | 23.1 | | 105 | | 13 | | 31.9 | | 26.6 | | | | | | | | | | | | | | | | |
| Mercury | 14 | | 0.075 | | 0.072 | | 0.036 | | ND | | 0.041 | | 0.645 | | 0.244 | | 0.061 | | 0.042 | | | | | | | | | | | | | | | | |
| Nickel | 250 | | 7.99 | | 10.4 | | 7.49 | | 3.63 | | 5.3 | | 11 | | 4.41 | | 4.35 | | 4.77 | | | | | | | | | | | | | | | | |
| Potassium | NLE | | 3150 | | 2920 | | 3840 | | 248 | | 369 | | 2690 | | 4850 | | 4890 | | 6900 | | | | | | | | | | | | | | | | |
| Selenium | 63 | | ND | | ND | | ND | | ND | | ND | | 0.618 | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| Silver | 110 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | | | | | | | | | | | | | | | |
| Sodium | NLE | | 404 | | 294 | | 327 | | 159 | | 349 | | 412 | | 650 | | 132 | | 101 | | | | | | | | | | | | | | | | |
| Thallium | 2 | | 0.505 | | ND | | ND | | 0.422 | | 0.437 | | ND | | 0.564 | | 0.531 | | 0.738 | | | | | | | | | | | | | | | | |
| Vanadium | 370 | | 21.1 | | 38.1 | | 32.7 | | 5.82 | | 11.2 | | 21.5 | | 38.4 | | 48.5 | | 45.5 | | | | | | | | | | | | | | | | |
| Zinc | 1500 | | 48.9 | | 197 | | 48 | | 11.7 | | 22.3 | | 178 | | 27.8 | | 43.1 | | 34 | | | | | | | | | | | | | | | | |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP Cleanup Criteria | 3809.11 | 3809.12 | 3809.13 | 3809.14 | 3809.15 | 3809.16 | 3809.17 | 3809.18 | 3809.19 | 3809.20 | 3809.21 | 3809.22 | 3809.23 | 3812.02 | 3812.03 | 3812.04 | 3812.05 | 3812.06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | | B216 (24") | B217 (6-12") | B217 (24") | B218 (6-12") | B218 (24") | B219 (6-12") | B219 (24") | B220 (6-12") | B220 (24") | B221 (6-12") | B221 (24") | B222 (6-12") | B222 (24") | B223 (6-12") | B223 (24") | B224 (6-12") | B224 (24") | B225 (6-12") |
| Sample Date | (mg/kg) | 8/13/1998 | 8/13/1998 | 8/13/1998 | 8/13/1998 | 8/13/1998 | 8/13/1998 | 8/13/1998 | 8/13/1998 | 8/13/1998 | 8/13/1998 | 8/13/1998 | 8/13/1998 | 8/13/1998 | 8/14/1998 | 8/14/1998 | 8/14/1998 | 8/14/1998 | 8/14/1998 |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Chloroform | 19 | 0.39 | | 0.46 | | 0.44 | | 0.44 | | ND | | 0.4 | | 0.48 | | ND | | ND | |
| Methylene Chloride | 49 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Tetrachloroethene | 4 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Toluene | 1000 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4-Methylphenol | 2800 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Naphthalene | 230 | | ND | | ND | | ND | | 3.6 | | ND | | ND | | ND | | ND | | ND |
| 2-Methylnaphthalene | NLE | | ND | | ND | | ND | | 6.6 | | ND | | ND | | ND | | ND | | ND |
| Dimethylphthalate | 10,000 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Acenaphthylene | NLE | | ND | | 0.48J | | ND | | 5.2 | | 0.12J | | ND | | 0.26J | | ND | | 0.12J |
| Acenaphthene | 3400 | | ND | | ND | | ND | | 3.3 | | ND | | ND | | ND | | ND | | ND |
| Dibenzofuran | NLE | | ND | | ND | | ND | | 0.83J | | ND | | ND | | ND | | ND | | ND |
| Diethylphthalate | 10,000 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Fluorene | 2300 | | ND | | ND | | ND | | 8.0 | | ND | | ND | | ND | | ND | | ND |
| n-Nitrosodiphenylamine | 140 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Phenanthrene | NLE | | 0.14J | | 1.3 | | 0.11J | | 0.06 | | 0.56J | | 0.22J | | 1.0J | | ND | | 0.42J |
| Anthracene | 10,000 | | ND | | 0.25J | | ND | | 6 | | ND | | ND | | 0.15J | | ND | | ND |
| Di-n-butylphthalate | 5700 | | 0.19J | | 0.65J | | 0.38J | | 0.49J | | 0.22J | | 1.0 J | | 0.31J | | 0.49J | | 0.21J |
| Fluoranthene | 2300 | | 0.19J | | 2.9 | | 0.22J | | 0.02 | | 0.64J | | 0.27J | | 1.3 | | 0.095J | | 0.71J |
| Pyrene | 1700 | | 0.18J | | 3.5 | | 0.28J | | 0.04 | | 0.9J | | 0.37J | | 1.9 | | 0.11J | | 0.89J |
| Butylbenzylphthalate | 1100 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Benzo[a]anthracene | 0.9 | | ND | | **1.0J** | | 0.11J | | **0.01** | | 0.32J | | 0.16J | | 0.7J | | ND | | 0.24J |
| 3,3'-Dichlorobenzidine | 2 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Chrysene | 9 | | ND | | 2.5 | | 0.28J | | **0.03** | | 0.68J | | 0.29J | | 1.5 | | ND | | 0.72J |
| bis(2-Ethylhexyl)phthalate | 49 | | ND | | ND | | 0.12J | | ND | | ND | | ND | | ND | | ND | | ND |
| Benzo[b]fluoranthene | 0.9 | | ND | | **1.1** | | 0.17J | | **9.5** | | 0.33J | | 0.14J | | 0.67J | | ND | | 0.32J |
| Benzo[k]fluoranthene | 0.9 | | ND | | **1.2** | | ND | | **1.3** | | 0.43J | | 0.18J | | 0.72J | | ND | | 0.38J |
| Benzo[a]pyrene | 0.66 | | ND | | **1.0J** | | ND | | **6.7** | | 0.36J | | 0.13J | | **0.77J** | | ND | | 0.28J |
| Indeno[1,2,3-cd]pyrene | 0.9 | | ND | | 0.55J | | ND | | **2.0** | | ND | | ND | | 0.55J | | ND | | 0.2J |
| Dibenz[a,h]anthracene | 0.66 | | ND | | ND | | ND | | **1.4** | | ND | | ND | | ND | | ND | | ND |
| Benzo[g,h,I]perylene | NLE | | ND | | 0.49J | | ND | | 2.0 | | ND | | ND | | 0.49J | | ND | | 0.21J |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | | 0.004 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Heptachlor Epoxide | NLE | | 0.023 | | ND | | ND | | ND | | ND | | ND | | ND | | 0.01 | | ND |
| 4,4'-DDE | 2 | | 0.013 | | 0.315 | | 0.233 | | 0.104 | | 0.433 | | 0.068 | | 0.644 | | 0.024 | | 0.422 |
| Dieldrin | 0.042 | | 0.004 | | ND | | ND | | ND | | ND | | ND | | ND | | 0.003 | | ND |
| Endrin | 17 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Endosulfan II | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4,4'-DDD | 3 | | 0.012 | | 0.17 | | 0.082 | | 0.021 | | 2.225 | | 0.03 | | ND | | 0.004 | | 0.048 |
| Endrin Aldehyde | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | 0.061 | | ND | | ND |
| 4,4'-DDT | 2 | | 0.039 | | 0.444 | | 0.472 | | 0.15 | | **5.604** | | 0.427 | | 1.237 | | 0.05 | | 1.0 |
| Endosulfan-Sulfate | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| gamma-Chlordane | NLE | | 0.004 | | ND | | ND | | ND | | ND | | ND | | ND | | 0.002 | | ND |
| alpha-Chlordane | NLE | | 0.001 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Arochlor 1254 | 0.49 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | | 8370 | | 2150 | | 3880 | | 4400 | | 7220 | | 6310 | | 8000 | | 8920 | | 3360 |
| Antimony | 14 | | ND | | ND | | 0.285 | | 0.763 | | 1.38 | | 0.483 | | 0.759 | | ND | | 0.444 |
| Arsenic | 20 | | 5.26 | | 5.78 | | 7.42 | | 10 | | 9.59 | | 10.2 | | 8.04 | | 4.76 | | 6.16 |
| Barium | 700 | | 25 | | 24.4 | | 98.9 | | 70.6 | | 55.2 | | 26 | | 40.3 | | 25.7 | | 28.3 |
| Beryllium | 2 | | 0.422 | | 0.227 | | 0.804 | | 0.534 | | 1.1 | | 0.446 | | 0.764 | | 0.399 | | 0.336 |
| Cadmium | 39 | | ND | | ND | | 0.115 | | ND | | ND | | ND | | ND | | ND | | ND |
| Calcium | NLE | | 774 | | 901 | | 1700 | | 983 | | 654 | | 314 | | 1210 | | 606 | | 631 |
| Chromium | NLE | | 28.8 | | 12.9 | | 21.4 | | 37.5 | | 74.3 | | 69 | | 60.4 | | 27.1 | | 22.4 |
| Cobalt | NLE | | 1.68 | | 1.77 | | 2.73 | | 2.52 | | 1.09 | | 1.08 | | 2.47 | | 1.6 | | 1.47 |
| Copper | 600 | | 4.41 | | 24.9 | | 30.3 | | 29.8 | | 32.9 | | 4.04 | | 22 | | 3.7 | | 23.1 |
| Iron | NLE | | 11900 | | 6370 | | 10700 | | 19400 | | 28900 | | 17800 | | 21500 | | 11300 | | 10800 |
| Lead | 400 | | 23.4 | | 54.3 | | 117 | | 122 | | 137 | | 12.9 | | 67.7 | | 15.3 | | 81.2 |
| Magnesium | NLE | | 1120 | | 443 | | 2390 | | 1440 | | 2280 | | 1680 | | 2160 | | 1040 | | 748 |
| Manganese | NLE | | 48.9 | | 30 | | 103 | | 49.5 | | 20.7 | | 12.9 | | 69.5 | | 46.6 | | 29.2 |
| Mercury | 14 | | 0.095 | | 0.159 | | 0.236 | | 2.341 | | 0.392 | | 0.197 | | 0.096 | | 0.351 | | 0.301 |
| Nickel | 250 | | 4.55 | | 4.61 | | 6.11 | | 6.6 | | 5.86 | | 4.76 | | 8.15 | | 4.31 | | 5.43 |
| Potassium | NLE | | 3200 | | 882 | | 2270 | | 4340 | | 4950 | | 5820 | | 4300 | | 3180 | | 1920 |
| Selenium | 63 | | ND | | 0.582 | | ND | | ND | | ND | | 0.353 | | ND | | ND | | ND |
| Silver | 110 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Sodium | NLE | | 95.2 | | 142 | | 491 | | 386 | | 723 | | 572 | | 168 | | 94.2 | | 262 |
| Thallium | 2 | | ND | | 0.348 | | ND | | 0.54 | | ND | | 0.527 | | ND | | ND | | 0.457 |
| Vanadium | 370 | | 24.2 | | 16 | | 20.5 | | 28.3 | | 34.4 | | 38.7 | | 41.8 | | 23.5 | | 23.1 |
| Zinc | 1500 | | 28.6 | | 30.6 | | 67.3 | | 57.2 | | 62 | | 25.8 | | 79.5 | | 22.5 | | 48 |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP Cleanup Criteria | 3812.07 | | 3812.08 | | 3812.09 | | 3812.10 | | 3812.11 | | 3812.12 | | 3812.13 | | 3812.14 | | 3812.15 | | 3812.16 | | 3812.17 | | 3812.18 | | 3812.19 | | 3827.02 | | 3827.03 | | 3827.04 | | 3827.05 | | 3827.06 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | | B225 (24") | | B226 (6-12") | | B226 (24") | | B227 (6-12") | | B227 (24") | | B228 (6-12") | | B228 (24") | | B229 (6-12") | | B229 (24") | | B230 (6-12") | | B230 (24") | | B231 (6-12") | | B231 (24") | | B232 (6-12") | | B232 (24") | | B233 (6-12") | | B233 (24") | | B234 (6-12") | |
| Sample Date | (mg/kg) | 8/14/1998 | | 8/14/1998 | | 8/14/1998 | | 8/14/1998 | | 8/14/1998 | | 8/14/1998 | | 8/14/1998 | | 8/14/1998 | | 8/14/1998 | | 8/14/1998 | | 8/14/1998 | | 8/14/1998 | | 8/14/1998 | | 8/25/1998 | | 8/25/1998 | | 8/25/1998 | | 8/25/1998 | | 8/25/1998 | |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | ND | | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | |
| Chloroform | 19 | ND | | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | |
| Methylene Chloride | 49 | ND | | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | |
| Tetrachloroethene | 4 | ND | | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | |
| Toluene | 1000 | ND | | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4-Methylphenol | 2800 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Naphthalene | 230 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 2-Methylnaphthalene | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Dimethylphthalate | 10,000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Acenaphthylene | NLE | | | 0.11J | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.23J | | | | ND | |
| Acenaphthene | 3400 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.21 J | |
| Dibenzofuran | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Diethylphthalate | 10,000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Fluorene | 2300 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.26 J | |
| n-Nitrosodiphenylamine | 140 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Phenanthrene | NLE | | | 0.36J | | | | ND | | | | 0.17J | | | | 0.28J | | | | 0.31J | | | | ND | | | | ND | | | | 0.59J | | | | 3.2 | |
| Anthracene | 10,000 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.17J | | | | 0.75 J | |
| Di-n-butylphthalate | 5700 | | | 0.53J | | | | 0.21J | | | | 0.67J | | | | 0.71J | | | | 0.47J | | | | 0.16J | | | | 0.42J | | | | 0.45J | | | | 0.58 J | |
| Fluoranthene | 2300 | | | 0.5J | | | | ND | | | | 0.16J | | | | 0.29J | | | | 0.36J | | | | 0.25J | | | | 0.13J | | | | 0.95J | | | | 5.1 | |
| Pyrene | 1700 | | | 0.7J | | | | 0.14J | | | | 0.27J | | | | 0.43J | | | | 0.55J | | | | 0.38J | | | | 0.2J | | | | 1.2 | | | | 4.7 | |
| Butylbenzylphthalate | 1100 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[a]anthracene | 0.9 | | | 0.28J | | | | ND | | | | ND | | | | 0.16J | | | | 0.19J | | | | 0.13J | | | | ND | | | | 0.57J | | | | **2.1** | |
| 3,3'-Dichlorobenzidine | 2 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Chrysene | 9 | | | 0.61J | | | | ND | | | | 0.2J | | | | 0.34J | | | | 0.45J | | | | 0.35J | | | | ND | | | | 1.0J | | | | 3.1 | |
| bis(2-Ethylhexyl)phthalate | 49 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.13 J | |
| Benzo[b]fluoranthene | 0.9 | | | 0.31J | | | | ND | | | | ND | | | | 0.13J | | | | 0.18J | | | | 0.14J | | | | ND | | | | 0.45J | | | | **1.6** | |
| Benzo[k]fluoranthene | 0.9 | | | 0.36J | | | | ND | | | | ND | | | | 0.2J | | | | 0.21J | | | | 0.16J | | | | ND | | | | 0.62J | | | | **1.5** | |
| Benzo[a]pyrene | 0.66 | | | 0.32J | | | | ND | | | | ND | | | | 0.15J | | | | 0.21J | | | | 0.15J | | | | ND | | | | 0.57J | | | | **1.6** | |
| Indeno[1,2,3-cd]pyrene | 0.9 | | | 0.2J | | | | ND | | | | ND | | | | ND | | | | 0.12J | | | | ND | | | | ND | | | | 0.33J | | | | 0.88 J | |
| Dibenz[a,h]anthracene | 0.66 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Benzo[g,h,i]perylene | NLE | | | 0.19J | | | | ND | | | | ND | | | | ND | | | | 0.13J | | | | ND | | | | ND | | | | 0.29J | | | | 0.65J | |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Heptachlor Epoxide | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDE | 2 | | | 0.612 | | | | 0.241 | | | | 0.262 | | | | 0.169 | | | | 0.483 | | | | 0.366 | | | | 0.383 | | | | 0.104 | | | | 0.08 | |
| Dieldrin | 0.042 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endrin | 17 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Endosulfan II | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDD | 3 | | | 0.164 | | | | 0.276 | | | | 0.419 | | | | 0.179 | | | | 0.127 | | | | 0.089 | | | | 0.181 | | | | 0.068 | | | | 0.143 | |
| Endrin Aldehyde | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| 4,4'-DDT | 2 | | | 0.973 | | | | 0.859 | | | | ND | | | | 1.07 | | | | 0.833 | | | | 0.626 | | | | 1.344 | | | | 0.345 | | | | 1.143 | |
| Endosulfan-Sulfate | NLE | | | ND | | | | ND | | | | 2.215 | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| gamma-Chlordane | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.007 | | | | ND | | | | ND | |
| alpha-Chlordane | NLE | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | 0.01 | | | | ND | | | | ND | |
| Arochlor 1254 | 0.49 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | | | 5370 | | | | 6730 | | | | 8520 | | | | 4570 | | | | 6620 | | | | 7420 | | | | 7250 | | | | 3370 | | | | 4870 | |
| Antimony | 14 | | | 0.648 | | | | NDo ata | | | | 1.17 | | | | 1.06 | | | | 0.918 | | | | 1.12 | | | | 1.28 | | | | 0.374 | | | | 0.9 | |
| Arsenic | 20 | | | 7.7 | | | | 6.64 | | | | 8.79 | | | | 11 | | | | 9.13 | | | | 7.76 | | | | 9.52 | | | | 6.66 | | | | 6.23 | |
| Barium | 700 | | | 47.9 | | | | 38.5 | | | | 39.9 | | | | 31.5 | | | | 19 | | | | 31 | | | | 45.3 | | | | 35.5 | | | | 25.8 | |
| Beryllium | 2 | | | 0.719 | | | | 0.916 | | | | 1.43 | | | | 0.514 | | | | 0.723 | | | | 0.786 | | | | 0.958 | | | | 0.5 | | | | 0.861 | |
| Cadmium | 39 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Calcium | NLE | | | 1020 | | | | 519 | | | | 395 | | | | 344 | | | | 420 | | | | 786 | | | | 862 | | | | 708 | | | | 199 | |
| Chromium | NLE | | | 44.1 | | | | 73.2 | | | | 92.1 | | | | 51.5 | | | | 62.7 | | | | 59.1 | | | | 74.3 | | | | 20.6 | | | | 55.4 | |
| Cobalt | NLE | | | 2.1 | | | | 0.94 | | | | 1.42 | | | | 0.718 | | | | 1.55 | | | | 2.61 | | | | 1.36 | | | | 3.37 | | | | 0.88 | |
| Copper | 600 | | | 32.9 | | | | 8.81 | | | | 5.93 | | | | 17.7 | | | | 11.6 | | | | 12.9 | | | | 14.2 | | | | 11.9 | | | | 2.95 | |
| Iron | NLE | | | 18800 | | | | 25700 | | | | 30100 | | | | 30800 | | | | 20200 | | | | 26600 | | | | 29600 | | | | 12200 | | | | 19900 | |
| Lead | 400 | | | 111 | | | | 21.4 | | | | 23.9 | | | | 18.8 | | | | 36.3 | | | | 47.5 | | | | 55.9 | | | | 25.5 | | | | 14.4 | |
| Magnesium | NLE | | | 1470 | | | | 2690 | | | | 2940 | | | | 1530 | | | | 1890 | | | | 1430 | | | | 2260 | | | | 684 | | | | 1640 | |
| Manganese | NLE | | | 40 | | | | 11.5 | | | | 26.8 | | | | 10.5 | | | | 45.2 | | | | 45.2 | | | | 21.2 | | | | 61.6 | | | | 14.7 | |
| Mercury | 14 | | | 0.283 | | | | 0.198 | | | | 0.212 | | | | 0.182 | | | | 0.067 | | | | 0.078 | | | | 0.278 | | | | 0.22 | | | | 0.213 | |
| Nickel | 250 | | | 7.43 | | | | 4.49 | | | | 5.39 | | | | 3.49 | | | | 5.19 | | | | 9.07 | | | | 6.07 | | | | 6.49 | | | | 3.35 | |
| Potassium | NLE | | | 4750 | | | | 5430 | | | | 6580 | | | | 3610 | | | | 3780 | | | | 5360 | | | | 4740 | | | | 1950 | | | | 6550 | |
| Selenium | 63 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Silver | 110 | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | | | | ND | |
| Sodium | NLE | | | 448 | | | | 483 | | | | 315 | | | | 565 | | | | 135 | | | | 241 | | | | 360 | | | | 297 | | | | 194 | |
| Thallium | 2 | | | 0.457 | | | | 0.898 | | | | 0.567 | | | | 0.69 | | | | ND | | | | 0.429 | | | | 0.725 | | | | 0.456 | | | | 0.68 | |
| Vanadium | 370 | | | 28.9 | | | | 24.8 | | | | 32.1 | | | | 34 | | | | 42.3 | | | | 60.8 | | | | 40.3 | | | | 15.7 | | | | 17.6 | |
| Zinc | 1500 | | | 50.3 | | | | 34.3 | | | | 50.8 | | | | 43.5 | | | | 32.1 | | | | 36.3 | | | | 43.4 | | | | 59.6 | | | | 28.8 | |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP Cleanup Criteria (mg/kg) | 3827.07 | 3827.08 | 3827.09 | 3827.10 | 3827.11 | 3836.02 | 3836.03 | 3836.04 | 3836.05 | 3836.06 | 3836.07 | 3836.08 | 3836.09 | 3836.10 | 3836.11 | 3836.12 | 3836.13 | 3836.14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | | B234 (24") | B235 (6-12") | B235 (24") | B236 (6-12") | B236 (24") | B237 (6-12") | B237 (24") | B238 (6-12") | B238 (24") | B239 (6-12") | B239 (24") | B240 (6-12") | B240 (24") | B241 (6-12") | B241 (24") | B242 (6-12") | B242 (24") | B243 (6-12") |
| Sample Date | | 8/25/1998 | 8/25/1998 | 8/25/1998 | 8/25/1998 | 8/25/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | ND | | ND | | 0.34 | | ND | | ND | | ND | | ND | | ND | | ND | |
| Chloroform | 19 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Methylene Chloride | 49 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Tetrachloroethene | 4 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Toluene | 1000 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4-Methylphenol | 2800 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Naphthalene | 230 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 2-Methylnaphthalene | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Dimethylphthalate | 10,000 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Acenaphthylene | NLE | | ND | | 0.2J | | ND | | ND | | 0.34J | | 0.26J | | ND | | ND | | ND |
| Acenaphthene | 3400 | | 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 |
| Fluorene | 2300 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| n-Nitrosodiphenylamine | 140 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Phenanthrene | NLE | | 0.37J | | 0.67J | | 0.3J | | 0.44J | | 1.0J | | 0.99J | | 0.21J | | ND | | ND |
| Anthracene | 10,000 | | ND | | 0.12J | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Di-n-butylphthalate | 5700 | | 0.41J | | 0.28J | | 0.32J | | ND | | 0.19J | | 0.44J | | 0.42J | | ND | | 0.29J |
| Fluoranthene | 2300 | | 0.41J | | 0.7J | | 0.31J | | 0.35J | | 0.95J | | 0.85J | | 0.25J | | 0.18J | | ND |
| Pyrene | 1700 | | 0.57J | | 1.1 | | 0.61J | | 0.58J | | 1.8 | | 1.6 | | 0.39J | | 0.31J | | ND |
| Butylbenzylphthalate | 1100 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Benzo[a]anthracene | 0.9 | | 0.22J | | 0.38J | | 0.22J | | 0.2J | | 0.55J | | 0.51J | | ND | | ND | | ND |
| 3,3'-Dichlorobenzidine | 2 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Chrysene | 9 | | 0.45J | | 0.86J | | 0.49J | | 0.41J | | 1.3 | | 1.1 | | ND | | ND | | ND |
| bis(2-Ethylhexyl)phthalate | 49 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Benzo[b]fluoranthene | 0.9 | | 0.2J | | 0.34J | | ND | | ND | | 0.5J | | 0.41J | | ND | | ND | | ND |
| Benzo[k]fluoranthene | 0.9 | | 0.24J | | 0.42J | | ND | | ND | | 0.52J | | 0.47J | | ND | | ND | | ND |
| Benzo[a]pyrene | 0.66 | | 0.21J | | 0.4J | | ND | | ND | | 0.56J | | 0.51J | | ND | | ND | | ND |
| Indeno[1,2,3-cd]pyrene | 0.9 | | ND | | 0.18J | | ND | | ND | | 0.24J | | 0.21J | | ND | | ND | | ND |
| Dibenz[a,h]anthracene | 0.66 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Benzo[g,h,i]perylene | NLE | | 0.12J | | 0.19J | | ND | | ND | | 0.23J | | 0.22J | | ND | | ND | | ND |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Heptachlor Epoxide | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4,4'-DDE | 2 | | 0.204 | | 0.272 | | 0.275 | | 0.412 | | 0.592 | | 0.445 | | 0.195 | | 0.036 | | 0.135 |
| Dieldrin | 0.042 | | ND | | ND | | ND | | ND | | **0.049** | | ND | | ND | | ND | | ND |
| Endrin | 17 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Endosulfan II | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4,4'-DDD | 3 | | 0.209 | | 0.158 | | 0.021 | | 0.033 | | 0.779 | | 0.287 | | 0.077 | | 0.056 | | 0.037 |
| Endrin Aldehyde | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4,4'-DDT | 2 | | 1.028 | | 1.28 | | 0.65 | | 1.438 | | **2.914** | | 1.636 | | 0.599 | | 0.07 | | 0.62 |
| Endosulfan-Sulfate | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| gamma-Chlordane | NLE | | ND | | ND | | 0.012 | | 0.007 | | 0.004 | | ND | | ND | | ND | | ND |
| alpha-Chlordane | NLE | | ND | | ND | | 0.011 | | 0.007 | | 0.003 | | 0.002 | | ND | | ND | | ND |
| Arochlor 1254 | 0.49 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | | 5200 | | 10200 | | 4020 | | 6180 | | 5840 | | 7580 | | 5080 | | 5800 | | 7380 |
| Antimony | 14 | | 1.04 | | 1.67 | | 0.604 | | 0.948 | | 0.721 | | 1.16 | | 0.821 | | 0.593 | | 1.15 |
| Arsenic | 20 | | 7.87 | | 9.48 | | 5.11 | | 8.95 | | 9.08 | | 12.6 | | 7.6 | | 6.45 | | 10 |
| Barium | 700 | | 36.4 | | 36.3 | | 16.8 | | 20.1 | | 49.4 | | 48.1 | | 46.5 | | 24.5 | | 51 |
| Beryllium | 2 | | 0.887 | | 1.39 | | 0.479 | | 0.733 | | 0.799 | | 0.949 | | 1.15 | | 0.736 | | 0.927 |
| Cadmium | 39 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Calcium | NLE | | 442 | | 583 | | 595 | | 290 | | 371 | | 421 | | 332 | | 575 | | 427 |
| Chromium | NLE | | 57.3 | | 112 | | 40.3 | | 59.8 | | 61.8 | | 71.4 | | 52.1 | | 45.8 | | 72 |
| Cobalt | NLE | | 0.948 | | 1.67 | | 1.79 | | 2.79 | | 1.01 | | 1.26 | | 1.11 | | 0.951 | | 2.04 |
| Copper | 600 | | 10.5 | | 5.84 | | 8.44 | | 1.78 | | 17.6 | | 18.4 | | 6.5 | | 7.62 | | 12.3 |
| Iron | NLE | | 22900 | | 41300 | | 17300 | | 31700 | | 24100 | | 28500 | | 21100 | | 17000 | | 33900 |
| Lead | 400 | | 30.7 | | 21.9 | | 26 | | 13.4 | | 50.6 | | 55.8 | | 28.5 | | 19.4 | | 17 |
| Magnesium | NLE | | 1690 | | 4380 | | 928 | | 872 | | 1690 | | 2060 | | 1470 | | 1420 | | 1930 |
| Manganese | NLE | | 14.1 | | 15.7 | | 53.3 | | 60.2 | | 13.9 | | 16.9 | | 13 | | 28.1 | | 24.9 |
| Mercury | 14 | | 0.288 | | 0.217 | | 0.037 | | 0.015 | | 0.38 | | 0.391 | | 0.332 | | 0.19 | | 0.255 |
| Nickel | 250 | | 4.77 | | 6.44 | | 5.85 | | 7.59 | | 4.97 | | 6.16 | | 5 | | **431** | | 8.64 |
| Potassium | NLE | | 3720 | | 10200 | | 2360 | | 2490 | | 6150 | | 4130 | | 5540 | | 4830 | | 7840 |
| Selenium | 63 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Silver | 110 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Sodium | NLE | | 431 | | 582 | | 104 | | 97 | | 320 | | 374 | | 304 | | 362 | | 898 |
| Thallium | 2 | | 0.475 | | 0.589 | | 0.402 | | 0.57 | | 0.606 | | 1.06 | | 1.03 | | 0.426 | | 0.71 |
| Vanadium | 370 | | 22.7 | | 51.8 | | 39.8 | | 74.9 | | 28.9 | | 40.4 | | 21.3 | | 19.8 | | 59.3 |
| Zinc | 1500 | | 43.8 | | 43.6 | | 39.1 | | 46.3 | | 39.6 | | 43.7 | | 43.8 | | 53.5 | | 35.8 |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP Cleanup Criteria | 3836.15 | 3836.16 | 3836.17 | 3836.18 | 3836.19 | 3836.20 | 3836.21 | 3836.22 | 3836.23 | 3836.24 | 3836.25 | 3836.26 | 3836.27 | 3836.28 | 3836.29 | 3836.30 | 3836.31 | 3836.32 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Sample Location | | B243 (24") | B244 (6-12") | B244 (24") | B245 (6-12") | B245 (24") | B246 (6-12") | B246 (24") | B247 (6-12") | B247 (24") | B248 (6-12") | B248 (24") | B249 (6-12") | B249 (24") | B250 (6-12") | B250 (24") | B251 (6-12") | B251 (24") | B252 (6-12") |
| Sample Date | (mg/kg) | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 |
| **Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Benzene | 3 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Chloroform | 19 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Methylene Chloride | 49 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Tetrachloroethene | 4 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| Toluene | 1000 | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | |
| **Semi-Volatiles (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Pyridine | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4-Methylphenol | 2800 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Naphthalene | 230 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 2-Methylnaphthalene | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Dimethylphthalate | 10,000 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Acenaphthylene | NLE | | 0.21J | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Acenaphthene | 3400 | | 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 |
| Fluorene | 2300 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| n-Nitrosodiphenylamine | 140 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Phenanthrene | NLE | | 1.1 | | 0.44J | | 0.36J | | ND | | ND | | ND | | 0.4J | | 0.3J | | 0.24J |
| Anthracene | 10,000 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Di-n-butylphthalate | 5700 | | 0.96J | | 0.46J | | 0.96J | | 0.44J | | 0.44J | | 0.35J | | 0.78J | | 0.39J | | 0.37J |
| Fluoranthene | 2300 | | 0.72J | | 0.42J | | 0.36J | | 0.19J | | 0.19J | | ND | | 0.31J | | 0.29J | | 0.3J |
| Pyrene | 1700 | | 1.4 | | 0.68J | | 0.57J | | 0.31J | | 0.3J | | ND | | 0.56J | | 0.45J | | 0.57J |
| Butylbenzylphthalate | 1100 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Benzo[a]anthracene | 0.9 | | 0.41J | | 0.22J | | ND | | ND | | ND | | ND | | ND | | ND | | 0.22J |
| 3,3'-Dichlorobenzidine | 2 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Chrysene | 9 | | 0.88J | | 0.46J | | ND | | ND | | ND | | ND | | ND | | ND | | 0.43J |
| bis(2-Ethylhexyl)phthalate | 49 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Benzo[b]fluoranthene | 0.9 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Benzo[k]fluoranthene | 0.9 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Benzo[a]pyrene | 0.66 | | 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 |
| Dibenz[a,h]anthracene | 0.66 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Benzo[g,h,i]perylene | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| **Pesticides/PCBs (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Heptachlor | 0.15 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Heptachlor Epoxide | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4,4'-DDE | 2 | | 1.003 | | 0.164 | | 0.33 | | 0.408 | | 0.083 | | 0.903 | | **3.33** | | 0.742 | | 1.104 |
| Dieldrin | 0.042 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Endrin | 17 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Endosulfan II | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4,4'-DDD | 3 | | 0.178 | | 0.08 | | 0.171 | | 0.145 | | 0.045 | | 0.378 | | 0.729 | | 0.046 | | 0.041 |
| Endrin Aldehyde | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| 4,4'-DDT | 2 | | **2.781** | | 0.789 | | **2.226** | | 1.918 | | 0.525 | | **13.949** | | **23.629** | | **2.094** | | 1.746 |
| Endosulfan-Sulfate | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| gamma-Chlordane | NLE | | ND | | ND | | ND | | ND | | ND | | ND | | 0.015 | | ND | | ND |
| alpha-Chlordane | NLE | | ND | | ND | | 0.003 | | ND | | ND | | ND | | 0.023 | | ND | | ND |
| Arochlor 1254 | 0.49 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| **Metals (mg/kg)** | | | | | | | | | | | | | | | | | | | |
| Aluminum | NLE | | 3900 | | 8730 | | 5890 | | 5890 | | 6970 | | 3390 | | 8150 | | 6430 | | 5560 |
| Antimony | 14 | | 0.495 | | 1.28 | | 0.94 | | 0.931 | | 1.14 | | 0.654 | | 1.43 | | 1.31 | | 0.774 |
| Arsenic | 20 | | 6.62 | | 9.43 | | 8.91 | | 8.61 | | 9.13 | | 5.72 | | 7.84 | | 11.3 | | 9.19 |
| Barium | 700 | | 34.5 | | 53.7 | | 53.3 | | 40.9 | | 34.6 | | 25.1 | | 31.1 | | 69.6 | | 32.2 |
| Beryllium | 2 | | 0.45 | | 1.25 | | 0.811 | | 1.02 | | 0.945 | | 0.538 | | 1.02 | | 0.824 | | 0.736 |
| Cadmium | 39 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Calcium | NLE | | 929 | | 396 | | 306 | | 787 | | 1140 | | 278 | | 389 | | 828 | | 1100 |
| Chromium | NLE | | 31.3 | | 88.1 | | 63.2 | | 60.5 | | 72.5 | | 39.3 | | 90.1 | | 72.6 | | 56.7 |
| Cobalt | NLE | | 1.85 | | 1.68 | | 0.96 | | 0.998 | | 1.55 | | 0.926 | | 1.02 | | 1.36 | | 1.43 |
| Copper | 600 | | 27 | | 45.3 | | 22.5 | | 18 | | 10.1 | | 5.01 | | 5.52 | | 110 | | 15.8 |
| Iron | NLE | | 13200 | | 33700 | | 28200 | | 24400 | | 30600 | | 17500 | | 32800 | | 31400 | | 21200 |
| Lead | 400 | | 94.5 | | 50.5 | | 53.2 | | 47.4 | | 21.6 | | 23.1 | | 20.2 | | 163 | | 69.8 |
| Magnesium | NLE | | 1090 | | 2980 | | 1660 | | 1830 | | 2730 | | 1160 | | 3380 | | 2210 | | 1920 |
| Manganese | NLE | | 53.9 | | 18.8 | | 15 | | 19 | | 33.2 | | 8.41 | | 12.4 | | 38.5 | | 49.7 |
| Mercury | 14 | | 0.228 | | 0.355 | | 0.385 | | 0.371 | | 0.229 | | 0.267 | | 0.163 | | 0.275 | | 0.361 |
| Nickel | 250 | | 5.75 | | 7.73 | | 4.64 | | 4.52 | | 6.14 | | 2.99 | | 4.74 | | 5.81 | | 5.24 |
| Potassium | NLE | | 3120 | | 7070 | | 3650 | | 3760 | | 5980 | | 4390 | | 8120 | | 4900 | | 3860 |
| Selenium | 63 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Silver | 110 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND |
| Sodium | NLE | | 262 | | 303 | | 310 | | 349 | | 360 | | 336 | | 342 | | 388 | | 147 |
| Thallium | 2 | | 0.389 | | 0.969 | | 0.665 | | 0.863 | | 0.563 | | 0.681 | | 0.6 | | 0.709 | | 0.535 |
| Vanadium | 370 | | 27.8 | | 45.4 | | 28.6 | | 27.3 | | 33 | | 15.9 | | 40 | | 35.1 | | 25.7 |
| Zinc | 1500 | | 65.6 | | 47.6 | | 181 | | 43.6 | | 69.5 | | 27.2 | | 39.4 | | 123 | | 115 |

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

**Table 4-1**
**Soil Sampling Results**
**M5 Landfill Site**
**Fort Monmouth, New Jersey**

| Lab Sample ID | NJDEP Cleanup Criteria | 3836.33 | 3836.34 | 3836.35 | 3836.36 | 3836.37 |
|---|---|---|---|---|---|---|
| Field Sample Location | | B252 (24") | B253 (6-12") | B253 (24") | B254 (6-12") | B254 (24") |
| Sample Date | (mg/kg) | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 | 8/26/1998 |
| **Volatiles (mg/kg)** | | | | | | |
| Benzene | 3 | ND | | ND | | ND |
| Chloroform | 19 | ND | | ND | | ND |
| Methylene Chloride | 49 | ND | | ND | | ND |
| Tetrachloroethene | 4 | ND | | ND | | ND |
| Toluene | 1000 | ND | | ND | | ND |
| **Semi-Volatiles (mg/kg)** | | | | | | |
| Pyridine | NLE | | ND | | ND | |
| 4-Methylphenol | 2800 | | ND | | ND | |
| Naphthalene | 230 | | ND | | ND | |
| 2-Methylnaphthalene | NLE | | ND | | ND | |
| Dimethylphthalate | 10,000 | | ND | | ND | |
| Acenaphthylene | NLE | | ND | | 0.25J | |
| Acenaphthene | 3400 | | ND | | ND | |
| Dibenzofuran | NLE | | ND | | ND | |
| Diethylphthalate | 10,000 | | ND | | ND | |
| Fluorene | 2300 | | ND | | ND | |
| n-Nitrosodiphenylamine | 140 | | ND | | ND | |
| Phenanthrene | NLE | | ND | | 1.8 | |
| Anthracene | 10,000 | | ND | | ND | |
| Di-n-butylphthalate | 5700 | | ND | | ND | |
| Fluoranthene | 2300 | | ND | | 1.3 | |
| Pyrene | 1700 | | ND | | 2.4 | |
| Butylbenzylphthalate | 1100 | | ND | | ND | |
| Benzo[a]anthracene | 0.9 | | ND | | 0.69J | |
| 3,3'-Dichlorobenzidine | 2 | | ND | | ND | |
| Chrysene | 9 | | ND | | 1.4 | |
| bis(2-Ethylhexyl)phthalate | 49 | | ND | | ND | |
| Benzo[b]fluoranthene | 0.9 | | ND | | 0.48J | |
| Benzo[k]fluoranthene | 0.9 | | ND | | 0.51J | |
| Benzo[a]pyrene | 0.66 | | ND | | 0.52J | |
| Indeno[1,2,3-cd]pyrene | 0.9 | | ND | | 0.31J | |
| Dibenz[a,h]anthracene | 0.66 | | ND | | ND | |
| Benzo[g,h,I]perylene | NLE | | ND | | 0.32J | |
| **Pesticides/PCBs (mg/kg)** | | | | | | |
| Heptachlor | 0.15 | | ND | | ND | |
| Heptachlor Epoxide | NLE | | ND | | ND | |
| 4,4'-DDE | 2 | | 0.23 | | **4.185** | |
| Dieldrin | 0.042 | | ND | | ND | |
| Endrin | 17 | | ND | | ND | |
| Endosulfan II | NLE | | ND | | ND | |
| 4,4'-DDD | 3 | | 0.043 | | **3.787** | |
| Endrin Aldehyde | NLE | | ND | | ND | |
| 4,4'-DDT | 2 | | 0.856 | | **56.446** | |
| Endosulfan-Sulfate | NLE | | ND | | ND | |
| gamma-Chlordane | NLE | | ND | | 0.021 | |
| alpha-Chlordane | NLE | | ND | | 0.026 | |
| Arochlor 1254 | 0.49 | | ND | | ND | |
| **Metals (mg/kg)** | | | | | | |
| Aluminum | NLE | | 4350 | | 6740 | |
| Antimony | 14 | | 0.688 | | 0.916 | |
| Arsenic | 20 | | 5.88 | | 10.1 | |
| Barium | 700 | | 17 | | 48.4 | |
| Beryllium | 2 | | 0.84 | | **2.05** | |
| Cadmium | 39 | | ND | | ND | |
| Calcium | NLE | | 563 | | 143 | |
| Chromium | NLE | | 46.7 | | 52.8 | |
| Cobalt | NLE | | 1.21 | | 2.76 | |
| Copper | 600 | | 11.9 | | 10.1 | |
| Iron | NLE | | 16400 | | 27700 | |
| Lead | 400 | | 12.4 | | 40.3 | |
| Magnesium | NLE | | 1330 | | 1130 | |
| Manganese | NLE | | 15.4 | | 38 | |
| Mercury | 14 | | 0.069 | | 0.706 | |
| Nickel | 250 | | 3.33 | | 6.57 | |
| Potassium | NLE | | 5380 | | 4170 | |
| Selenium | 63 | | ND | | ND | |
| Silver | 110 | | ND | | 0.413 | |
| Sodium | NLE | | 84.6 | | 99.8 | |
| Thallium | 2 | | 0.332 | | 0.691 | |
| Vanadium | 370 | | 13.5 | | 26.8 | |
| Zinc | 1500 | | 32.1 | | 51.5 | |

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

Table 4-2
Borings in Which Detections Exceeded Criteria
M-5 Landfill
Fort Monmouth, New Jersey

| Boring ID | Analyte |
|---|---|
| *VOCs - 2 Borings* | |
| **B15** | |
| | Tetrachloroethene |
| **B23** | |
| | Tetrachloroethene |
| *SVOCs - 17 Borings* | |
| **B07** | |
| | Benzo(a)anthracene |
| | Benzo(a)pyrene |
| **B26** | |
| | Benzo(a)pyrene |
| **B27** | |
| | Benzo(a)anthracene |
| | Benzo(a)pyrene |
| | Benzo(b)fluoranthene |
| | Benzo(k)fluoranthene |
| | Indeno(1,2,3-cd)pyrene |
| **B35** | |
| | Benzo(a)pyrene |
| **B42** | |
| | Benzo(a)pyrene |
| **B44** | |
| | Benzo(a)anthracene |
| | Benzo(a)pyrene |
| | Benzo(b)fluoranthene |
| | Benzo(k)fluoranthene |
| | Indeno(1,2,3-cd)pyrene |
| **B67** | |
| | Benzo(a)pyrene |
| **B69** | |
| | Benzo(a)pyrene |
| **B71** | |
| | Benzo(a)anthracene |
| | Benzo(a)pyrene |
| | Benzo(b)fluoranthene |
| | Benzo(k)fluoranthene |
| | Dibenz(a,h)anthracene |
| | Indeno(1,2,3-cd)pyrene |
| **B72** | |
| | Benzo(a)anthracene |
| | Benzo(a)pyrene |
| | Benzo(b)fluoranthene |
| | Benzo(k)fluoranthene |
| **B84** | |
| | Benzo(a)anthracene |

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-5 Landfill
Fort Monmouth, New Jersey

| Boring ID | Analyte |
|---|---|
| | Benzo(a)pyrene |
| | Benzo(b)fluoranthene |
| | Benzo(k)fluoranthene |
| | Chrysene |
| | Dibenz(a,h)anthracene |
| | Indeno(1,2,3-cd)pyrene |
| **B92** | |
| | Benzo(a)anthracene |
| | Benzo(a)pyrene |
| | Benzo(b)fluoranthene |
| | Benzo(k)fluoranthene |
| | Chrysene |
| | Indeno(1,2,3-cd)pyrene |
| **B202** | |
| | Benzo(a)anthracene |
| | Benzo(a)pyrene |
| | Benzo(b)fluoranthene |
| | Benzo(k)fluoranthene |
| | Dibenz(a,h)anthracene |
| | Indeno(1,2,3-cd)pyrene |
| **B218** | |
| | Benzo(a)anthracene |
| | Benzo(a)pyrene |
| | Benzo(b)fluoranthene |
| | Benzo(k)fluoranthene |
| **B220** | |
| | Benzo(a)anthracene |
| | Benzo(a)pyrene |
| | Benzo(b)fluoranthene |
| | Benzo(k)fluoranthene |
| | Chrysene |
| | Dibenz(a,h)anthracene |
| | Indeno(1,2,3-cd)pyrene |
| **B223** | |
| | Benzo(a)pyrene |
| **B234** | |
| | Benzo(a)anthracene |
| | Benzo(a)pyrene |
| | Benzo(b)fluoranthene |
| | Benzo(k)fluoranthene |
| *Pest/PCBs - 10 Borings* | |
| **B59** | |
| | 4,4'-DDE |
| | 4,4'-DDT |
| **B201** | |

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-5 Landfill
Fort Monmouth, New Jersey

| Boring ID | Analyte |
|---|---|
| | Arochlor 1254 |
| **B221** | |
| | 4,4'-DDT |
| **B239** | |
| | 4,4'-DDT |
| | Dieldrin |
| **B244** | |
| | 4,4'-DDT |
| **B246** | |
| | 4,4'-DDT |
| **B249** | |
| | 4,4'-DDT |
| **B250** | |
| | 4,4'-DDE |
| | 4,4'-DDT |
| **B251** | |
| | 4,4'-DDT |
| **B254** | |
| | 4,4'-DDD |
| | 4,4'-DDE |
| | 4,4'-DDT |

*Metals - 28 Borings*

| | |
|---|---|
| **B02** | |
| | Arsenic |
| **B03** | |
| | Arsenic |
| **B09** | |
| | Copper |
| **B17** | |
| | Lead |
| **B19** | |
| | Arsenic |
| **B26** | |
| | Lead |
| **B27** | |
| | Lead |
| **B33** | |
| | Arsenic |
| | Lead |
| **B34** | |
| | Lead |
| **B35** | |
| | Arsenic |
| | Beryllium |
| | Lead |

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-5 Landfill
Fort Monmouth, New Jersey

| Boring ID | Analyte |
|---|---|
| | Thallium |
| **B41** | |
| | Lead |
| **B42** | |
| | Lead |
| **B44** | |
| | Zinc |
| **B46** | |
| | Zinc |
| **B48** | |
| | Lead |
| **B51** | |
| | Arsenic |
| **B54** | |
| | Arsenic |
| **B57** | |
| | Lead |
| **B59** | |
| | Mercury |
| **B63** | |
| | Lead |
| **B69** | |
| | Copper |
| | Lead |
| **B88** | |
| | Beryllium |
| | Copper |
| | Lead |
| **B99** | |
| | Copper |
| | Lead |
| | Zinc |
| **B163** | |
| | Arsenic |
| **B198** | |
| | Arsenic |
| **B199** | |
| | Lead |
| **B242** | |
| | Nickel |
| **B254** | |
| | Beryllium |

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-5 Landfill
Fort Monmouth, New Jersey

| Analyte Name | RDCSC | Units | Number of Exceedances | Minimum Exceedance | Boring ID (Min) | Maximum Exceedance | Boring ID (Max) | Average Exceedance |
|---|---|---|---|---|---|---|---|---|
| VOCs | | | | | | | | |
| Tetrachloroethene | 4 | mg/kg | 2 | 4.8 | B23 | 5 | B15 | 4.900 |
| SVOCs | | | | | | | | |
| Benzo(a)anthracene | 0.9 | mg/kg | 11 | 0.97 | B72 | 14 | B220 | 4.369 |
| Benzo(a)pyrene | 0.66 | mg/kg | 17 | 0.67 | B26, B42 | 11 | B84 | 2.405 |
| Benzo(b)fluoranthene | 0.9 | mg/kg | 10 | 1.1 | B218 | 9.5 | B220 | 3.690 |
| Benzo(k)fluoranthene | 0.9 | mg/kg | 10 | 1.2 | B218, B72 | 8.8 | B84 | 2.600 |
| Chrysene | 9 | mg/kg | 3 | 9.7 | B92 | 25 | B220 | 18.567 |
| Dibenz(a,h)anthracene | 0.66 | mg/kg | 4 | 1 | B71 | 2.9 | B84 | 1.700 |
| Indeno(1,2,3-cd)pyrene | 0.9 | mg/kg | 7 | 1.2 | B27 | 4.9 | B84 | 2.343 |
| Pest/PCBs | | | | | | | | |
| 4,4'-DDD | 3 | mg/kg | 1 | 3.787 | B254 | 3.787 | B254 | 3.787 |
| 4,4'-DDE | 2 | mg/kg | 3 | 2.058 | B59 | 4.185 | B254 | 3.191 |
| 4,4'-DDT | 2 | mg/kg | 9 | 2.094 | B251 | 56.446 | B254 | 13.425 |
| Arochlor 1254 | 0.49 | mg/kg | 1 | 1.499 | B201 | 1.499 | B201 | 1.499 |
| Dieldrin | 0.042 | mg/kg | 1 | 0.049 | B239 | 0.049 | B239 | 0.049 |
| Metals | | | | | | | | |
| Arsenic | 20 | mg/kg | 9 | 20.13 | B02 | 1030 | B19 | 164.416 |
| Beryllium | 2 | mg/kg | 3 | 2.05 | B254 | 10.89 | B35 | 5.909 |
| Copper | 600 | mg/kg | 4 | 1168 | B99 | 2837 | B09 | 1965.750 |
| Lead | 400 | mg/kg | 15 | 494 | B199 | 4549 | B99 | 1357.733 |
| Mercury | 14 | mg/kg | 1 | 17.584 | B59 | 17.584 | B59 | 17.584 |

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 4-3
Laboratory Analysis Exceedance Summary
M-5 Landfill
Fort Monmouth, New Jersey

| Analyte Name | RDCSC | Units | Number of Exceedances | Minimum Exceedance | Boring ID (Min) | Maximum Exceedance | Boring ID (Max) | Average Exceedance |
|---|---|---|---|---|---|---|---|---|
| Nickel | 250 | mg/kg | 1 | 431 | B242 | 431 | B242 | 431.000 |
| Thallium | 2 | mg/kg | 1 | 47.42 | B35 | 47.42 | B35 | 47.420 |
| Zinc | 1500 | mg/kg | 3 | 1598 | B44 | 9772 | B99 | 4393.000 |

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-5 Landfill
Fort Monmouth, New Jersey

| Analyte Name | Compliance Average Area | RDCSCC | Units | Compliance Analysis Decision |
|---|---|---|---|---|
| **VOCs** | | | | |
| Tetrachloroethene | AREA VOC-1 | 4 | mg/kg | Compliance averaging used. |
| **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)pyrene | AREA SVOC-1 | 0.66 | mg/kg | Compliance averaging not allowed due to exceedance of 0.9 ppm limit for Benzo(a)pyrene. |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | mg/kg | Compliance averaging used. |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | mg/kg | Compliance averaging used. |
| Chrysene | AREA SVOC-1 | 9 | mg/kg | Compliance averaging used. |
| Dibenz(a,h)anthracene | AREA SVOC-1 | 0.66 | mg/kg | Compliance averaging not allowed due to exceedance of 0.9 ppm limit for Dibenz(a,h)anthracene. |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | mg/kg | Compliance averaging used. |
| **Pest/PCBs** | | | | |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | mg/kg | Compliance averaging used. |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | mg/kg | Compliance averaging used. |
| 4,4'-DDT | AREA PESTPCB-1 | 2 | mg/kg | Compliance averaging not allowed due to exceedance of the ceiling limit of 10X (for criterion<10 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 4-4
Compliance Analysis Method Summary
M-5 Landfill
Fort Monmouth, New Jersey

| Analyte Name | Compliance Average Area | RDCSCC | Units | Compliance Analysis Decision |
|---|---|---|---|---|
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | mg/kg | Compliance averaging used. |
| Dieldrin | AREA PESTPCB-1 | 0.042 | mg/kg | Compliance averaging used. |
| Metals | | | | |
| 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). |
| Beryllium | AREA METALS-1 | 2 | mg/kg | Compliance averaging not allowed due to exceedance of 2 mg/kg limit for Beryllium. |
| Copper | AREA METALS-1 | 600 | mg/kg | Compliance averaging not allowed due to exceedance of the ceiling limit of 2X (for criterion>100 ppm). |
| Lead | AREA METALS-1 | 400 | mg/kg | Compliance averaging not allowed due to exceedance of the ceiling limit of 2X (for criterion>100 ppm). |
| Mercury | AREA METALS-1 | 14 | mg/kg | Compliance averaging used. |
| Nickel | AREA METALS-2 | 250 | mg/kg | Compliance averaging used. |
| Thallium | AREA METALS-1 | 2 | mg/kg | Compliance averaging not allowed due to exceedance of 2 mg/kg limit for Thallium. |
| 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-5 Landfill
Fort Monmouth, New Jersey

| Analyte Name | Compliance Area | RDCSCC | Boring ID | Result | Units | Exceeds Criteria | MDL | Dilution Factor | Result Used for Average |
|---|---|---|---|---|---|---|---|---|---|
| VOCs | | | | | | | | | |
| ***Tetrachloroethene*** | | | | | | | | | |
| | AREA VOC-1 | | | | | | | | |
| Tetrachloroethene | AREA VOC-1 | 4 | B15 | 5 | mg/kg | yes | | | 5 |
| Tetrachloroethene | AREA VOC-1 | 4 | B23 | 4.8 | mg/kg | yes | | | 4.8 |
| Tetrachloroethene | AREA VOC-1 | 4 | B24 | 3.2 | mg/kg | no | | | 3.2 |
| Tetrachloroethene | AREA VOC-1 | 4 | B32 | ND | mg/kg | no | 0.27 | | 0.135 |
| Tetrachloroethene | AREA VOC-1 | 4 | B40 | 3.1 | mg/kg | no | | | 3.1 |
| | | | | | | **Compliance Average Result:** | | | **3.247** |

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

Table 4-5
Compliance Averaging Results
M-5 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(b)fluoranthene*** | | | | | | | | | |
| | AREA SVOC-1 | | | | | | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B07 | 0.89 | mg/kg | no | | | 0.89 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B08 | 0.16J | mg/kg | no | | | 0.16 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B09 | 0.6 | mg/kg | no | | | 0.6 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B16 | 0.27 | mg/kg | no | | | 0.27 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B17 | ND | mg/kg | no | 0.27 | | 0.135 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B24 | ND | mg/kg | no | 0.26 | | 0.13 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B25 | 0.29 | mg/kg | no | | | 0.29 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B26 | 0.69 | mg/kg | no | | | 0.69 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B27 | 1.6 | mg/kg | yes | | | 1.6 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B32 | 0.16J | mg/kg | no | | | 0.16 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B33 | 0.35 | mg/kg | no | | | 0.35 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B34 | 0.42 | mg/kg | no | | | 0.42 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B35 | 0.84 | mg/kg | no | | | 0.84 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B39 | ND | mg/kg | no | 0.3 | | 0.15 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B40 | ND | mg/kg | no | 0.26 | | 0.13 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B41 | 0.25J | mg/kg | no | | | 0.25 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B42 | 0.72 | mg/kg | no | | | 0.72 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B43 | ND | mg/kg | no | 0.31 | | 0.155 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B44 | 1.6 | mg/kg | yes | | | 1.6 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B67 | 0.41 | mg/kg | no | | | 0.41 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B68 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B69 | 0.74 | mg/kg | no | | | 0.74 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B70 | ND | mg/kg | no | 0.26 | | 0.13 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B71 | 2.4 | mg/kg | yes | | | 2.4 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B72 | 1.2 | mg/kg | yes | | | 1.2 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B75 | 0.11J | mg/kg | no | | | 0.11 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B76 | 0.2J | mg/kg | no | | | 0.2 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B77 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B78 | ND | mg/kg | no | 0.26 | | 0.13 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B79 | ND | mg/kg | no | 0.28 | | 0.14 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B80 | ND | mg/kg | no | 0.28 | | 0.14 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B83 | ND | mg/kg | no | 0.24 | | 0.12 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B84 | 9.2 | mg/kg | yes | | | 9.2 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B85 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B86 | ND | mg/kg | no | 0.26 | | 0.13 |

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

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

| Analyte Name | Compliance Area | RDCSCC | Boring ID | Result | Units | Exceeds Criteria | MDL | Dilution Factor | Result Used for Average |
|---|---|---|---|---|---|---|---|---|---|
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B87 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B92 | 5.6 | mg/kg | yes | | | 5.6 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B93 | ND | mg/kg | no | 0.26 | | 0.13 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B94 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B95 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B96 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B159 | ND | mg/kg | no | 0.28 | | 0.14 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B160 | 0.14J | mg/kg | no | | | 0.14 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B161 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B162 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B163 | 0.61 | mg/kg | no | | | 0.61 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B165 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B166 | 0.17J | mg/kg | no | | | 0.17 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B167 | 0.2J | mg/kg | no | | | 0.2 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B168 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B169 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B179 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B181 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B197 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B200 | 0.16J | mg/kg | no | | | 0.16 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B201 | 0.36 | mg/kg | no | | | 0.36 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B202 | 3.1 | mg/kg | yes | | | 3.1 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B203 | 0.23J | mg/kg | no | | | 0.23 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B204 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B205 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B206 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B207 | ND | mg/kg | no | 0.26 | | 0.13 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B209 | 0.53 | mg/kg | no | | | 0.53 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B210 | ND | mg/kg | no | 0.24 | | 0.12 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B211 | ND | mg/kg | no | 0.26 | | 0.13 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B212 | 0.18J | mg/kg | no | | | 0.18 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B213 | 0.19J | mg/kg | no | | | 0.19 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B216 | ND | mg/kg | no | | | |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B217 | ND | mg/kg | no | 1 | | 0.5 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B218 | 1.1 | mg/kg | yes | | | 1.1 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B219 | 0.17J | mg/kg | no | | | 0.17 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B220 | 9.5 | mg/kg | yes | | | 9.5 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B223 | 0.67J | mg/kg | no | | | 0.67 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B226 | 0.31J | mg/kg | no | | | 0.31 |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | B227 | ND | mg/kg | no | 1.2 | | 0.6 |

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

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

| Analyte Name | Compliance Area | RDCSCC | Boring ID | Result | Units | Exceeds Criteria | MDL | Dilution Factor | Result Used for Average |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **Compliance Average Result:** | | | **0.885** |
| ***Benzo(k)fluoranthene*** | | | | | | | | | |
| | AREA SVOC-1 | | | | | | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B07 | 0.86 | mg/kg | no | | | 0.86 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B08 | ND | mg/kg | no | 0.23 | | 0.115 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B09 | 0.69 | mg/kg | no | | | 0.69 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B16 | 0.26 | mg/kg | no | | | 0.26 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B17 | ND | mg/kg | no | 0.2 | | 0.1 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B24 | ND | mg/kg | no | 0.19 | | 0.095 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B25 | 0.26 | mg/kg | no | | | 0.26 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B26 | 0.56 | mg/kg | no | | | 0.56 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B27 | 1.4 | mg/kg | yes | | | 1.4 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B32 | 0.15J | mg/kg | no | | | 0.15 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B33 | 0.36 | mg/kg | no | | | 0.36 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B34 | 0.34 | mg/kg | no | | | 0.34 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B35 | 0.7 | mg/kg | no | | | 0.7 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B39 | ND | mg/kg | no | 0.98 | | 0.49 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B40 | ND | mg/kg | no | 0.19 | | 0.095 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B41 | 0.18J | mg/kg | no | | | 0.18 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B42 | 0.59 | mg/kg | no | | | 0.59 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B43 | ND | mg/kg | no | 0.23 | | 0.115 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B44 | 1.5 | mg/kg | yes | | | 1.5 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B67 | 0.53 | mg/kg | no | | | 0.53 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B68 | ND | mg/kg | no | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B69 | 0.7 | mg/kg | no | | | 0.7 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B70 | ND | mg/kg | no | 0.2 | | 0.1 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B71 | 2.4 | mg/kg | yes | | | 2.4 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B72 | 1.2 | mg/kg | yes | | | 1.2 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B75 | 0.13J | mg/kg | no | | | 0.13 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B76 | 0.22 | mg/kg | no | | | 0.22 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B77 | ND | mg/kg | no | 0.2 | | 0.1 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B78 | ND | mg/kg | no | 0.2 | | 0.1 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B79 | ND | mg/kg | no | 0.2 | | 0.1 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B80 | ND | mg/kg | no | 0.2 | | 0.1 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B83 | ND | mg/kg | no | 0.18 | | 0.09 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B84 | 8.8 | mg/kg | yes | | | 8.8 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B85 | ND | mg/kg | no | 0.18 | | 0.09 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B86 | ND | mg/kg | no | 0.2 | | 0.1 |

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

Table 4-5
Compliance Averaging Results
M-5 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 | B87 | ND | mg/kg | no | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B92 | 3.9 | mg/kg | yes | | | 3.9 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B93 | ND | mg/kg | no | 0.2 | | 0.1 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B94 | ND | mg/kg | no | 0.18 | | 0.09 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B95 | ND | mg/kg | no | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B96 | ND | mg/kg | no | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B159 | ND | mg/kg | no | 0.2 | | 0.1 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B160 | 0.13J | mg/kg | no | | | 0.13 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B161 | ND | mg/kg | no | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B162 | ND | mg/kg | no | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B163 | 0.63 | mg/kg | no | | | 0.63 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B165 | ND | mg/kg | no | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B166 | 0.14J | mg/kg | no | | | 0.14 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B167 | 0.22 | mg/kg | no | | | 0.22 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B168 | ND | mg/kg | no | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B169 | ND | mg/kg | no | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B179 | ND | mg/kg | no | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B181 | ND | mg/kg | no | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B197 | ND | mg/kg | no | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B200 | 0.17J | mg/kg | no | | | 0.17 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B201 | 0.36 | mg/kg | no | | | 0.36 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B202 | 2.8 | mg/kg | yes | | | 2.8 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B203 | 0.25 | mg/kg | no | | | 0.25 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B204 | ND | mg/kg | no | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B205 | ND | mg/kg | no | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B206 | ND | mg/kg | no | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B207 | ND | mg/kg | no | 0.2 | | 0.1 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B209 | ND | mg/kg | no | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B210 | ND | mg/kg | no | 0.18 | | 0.09 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B211 | ND | mg/kg | no | 0.2 | | 0.1 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B212 | 0.22J | mg/kg | no | | | 0.22 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B213 | 0.24J | mg/kg | no | | | 0.24 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B216 | ND | mg/kg | no | | | |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B217 | ND | mg/kg | no | 1 | | 0.5 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B218 | 1.2 | mg/kg | yes | | | 1.2 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B219 | ND | mg/kg | no | 1.1 | | 0.55 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B220 | 1.3 | mg/kg | yes | | | 1.3 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B223 | 0.72J | mg/kg | no | | | 0.72 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B226 | 0.36J | mg/kg | no | | | 0.36 |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | B227 | ND | mg/kg | no | 1.2 | | 0.6 |

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

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

| Analyte Name | Compliance Area | RDCSCC | Boring ID | Result | Units | Exceeds Criteria | MDL | Dilution Factor | Result Used for Average |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **Compliance Average Result:** | | | **0.664** |
| ***Chrysene*** | | | | | | | | | |
| | AREA SVOC-1 | | | | | | | | |
| Chrysene | AREA SVOC-1 | 9 | B07 | 1.5 | mg/kg | no | | | 1.5 |
| Chrysene | AREA SVOC-1 | 9 | B08 | 0.49 | mg/kg | no | | | 0.49 |
| Chrysene | AREA SVOC-1 | 9 | B09 | 0.28J | mg/kg | no | | | 0.28 |
| Chrysene | AREA SVOC-1 | 9 | B16 | 0.46 | mg/kg | no | | | 0.46 |
| Chrysene | AREA SVOC-1 | 9 | B17 | 0.25J | mg/kg | no | | | 0.25 |
| Chrysene | AREA SVOC-1 | 9 | B24 | ND | mg/kg | no | 0.26 | | 0.13 |
| Chrysene | AREA SVOC-1 | 9 | B25 | 0.41 | mg/kg | no | | | 0.41 |
| Chrysene | AREA SVOC-1 | 9 | B26 | 0.83 | mg/kg | no | | | 0.83 |
| Chrysene | AREA SVOC-1 | 9 | B27 | 2.3 | mg/kg | no | | | 2.3 |
| Chrysene | AREA SVOC-1 | 9 | B32 | 0.3 | mg/kg | no | | | 0.3 |
| Chrysene | AREA SVOC-1 | 9 | B33 | 0.6 | mg/kg | no | | | 0.6 |
| Chrysene | AREA SVOC-1 | 9 | B34 | 0.57 | mg/kg | no | | | 0.57 |
| Chrysene | AREA SVOC-1 | 9 | B35 | 1.2 | mg/kg | no | | | 1.2 |
| Chrysene | AREA SVOC-1 | 9 | B39 | ND | mg/kg | no | 1.4 | | 0.7 |
| Chrysene | AREA SVOC-1 | 9 | B40 | ND | mg/kg | no | 0.27 | | 0.135 |
| Chrysene | AREA SVOC-1 | 9 | B41 | 0.41 | mg/kg | no | | | 0.41 |
| Chrysene | AREA SVOC-1 | 9 | B42 | 0.98 | mg/kg | no | | | 0.98 |
| Chrysene | AREA SVOC-1 | 9 | B43 | 0.13J | mg/kg | no | | | 0.13 |
| Chrysene | AREA SVOC-1 | 9 | B44 | 2.4 | mg/kg | no | | | 2.4 |
| Chrysene | AREA SVOC-1 | 9 | B67 | 1.2 | mg/kg | no | | | 1.2 |
| Chrysene | AREA SVOC-1 | 9 | B68 | 0.18J | mg/kg | no | | | 0.18 |
| Chrysene | AREA SVOC-1 | 9 | B69 | 0.97 | mg/kg | no | | | 0.97 |
| Chrysene | AREA SVOC-1 | 9 | B70 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B71 | 5.0 | mg/kg | no | | | 5 |
| Chrysene | AREA SVOC-1 | 9 | B72 | 1.7 | mg/kg | no | | | 1.7 |
| Chrysene | AREA SVOC-1 | 9 | B75 | 0.3 | mg/kg | no | | | 0.3 |
| Chrysene | AREA SVOC-1 | 9 | B76 | 0.52 | mg/kg | no | | | 0.52 |
| Chrysene | AREA SVOC-1 | 9 | B77 | ND | mg/kg | no | 0.28 | | 0.14 |
| Chrysene | AREA SVOC-1 | 9 | B78 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B79 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B80 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B83 | ND | mg/kg | no | 0.26 | | 0.13 |
| Chrysene | AREA SVOC-1 | 9 | B84 | 21E | mg/kg | yes | | | 21 |
| Chrysene | AREA SVOC-1 | 9 | B85 | 0.12J | mg/kg | no | | | 0.12 |
| Chrysene | AREA SVOC-1 | 9 | B86 | ND | mg/kg | no | | | |

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

Table 4-5
Compliance Averaging Results
M-5 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 | B87 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B92 | 9.7 | mg/kg | yes | | | 9.7 |
| Chrysene | AREA SVOC-1 | 9 | B93 | ND | mg/kg | no | 0.28 | | 0.14 |
| Chrysene | AREA SVOC-1 | 9 | B94 | ND | mg/kg | no | 0.26 | | 0.13 |
| Chrysene | AREA SVOC-1 | 9 | B95 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B96 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B159 | ND | mg/kg | no | 0.28 | | 0.14 |
| Chrysene | AREA SVOC-1 | 9 | B160 | 0.34 | mg/kg | no | | | 0.34 |
| Chrysene | AREA SVOC-1 | 9 | B161 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B162 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B163 | 1.1 | mg/kg | no | | | 1.1 |
| Chrysene | AREA SVOC-1 | 9 | B165 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B166 | 0.16J | mg/kg | no | | | 0.16 |
| Chrysene | AREA SVOC-1 | 9 | B167 | 0.58 | mg/kg | no | | | 0.58 |
| Chrysene | AREA SVOC-1 | 9 | B168 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B169 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B179 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B181 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B197 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B200 | 0.29 | mg/kg | no | | | 0.29 |
| Chrysene | AREA SVOC-1 | 9 | B201 | 0.67 | mg/kg | no | | | 0.67 |
| Chrysene | AREA SVOC-1 | 9 | B202 | 4.9 | mg/kg | no | | | 4.9 |
| Chrysene | AREA SVOC-1 | 9 | B203 | 0.49 | mg/kg | no | | | 0.49 |
| Chrysene | AREA SVOC-1 | 9 | B204 | 0.24J | mg/kg | no | | | 0.24 |
| Chrysene | AREA SVOC-1 | 9 | B205 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B206 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B207 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B209 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B210 | 0.24J | mg/kg | no | | | 0.24 |
| Chrysene | AREA SVOC-1 | 9 | B211 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B212 | 0.36J | mg/kg | no | | | 0.36 |
| Chrysene | AREA SVOC-1 | 9 | B213 | 0.46J | mg/kg | no | | | 0.46 |
| Chrysene | AREA SVOC-1 | 9 | B216 | 0.28J | mg/kg | no | | | 0.28 |
| Chrysene | AREA SVOC-1 | 9 | B217 | ND | mg/kg | no | | | |
| Chrysene | AREA SVOC-1 | 9 | B218 | 2.5 | mg/kg | no | | | 2.5 |
| Chrysene | AREA SVOC-1 | 9 | B219 | 0.28J | mg/kg | no | | | 0.28 |
| Chrysene | AREA SVOC-1 | 9 | B220 | 25D | mg/kg | yes | | | 25 |
| Chrysene | AREA SVOC-1 | 9 | B223 | 1.5 | mg/kg | no | | | 1.5 |
| Chrysene | AREA SVOC-1 | 9 | B226 | 0.61J | mg/kg | no | | | 0.61 |
| Chrysene | AREA SVOC-1 | 9 | B227 | ND | mg/kg | no | 1.2 | | 0.6 |

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

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

| Analyte Name | Compliance Area | RDCSCC | Boring ID | Result | Units | Exceeds Criteria | MDL | Dilution Factor | Result Used for Average |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **Compliance Average Result:** | | | **1.812** |
| ***Indeno(1,2,3-cd)pyrene*** | | | | | | | | | |
| | AREA SVOC-1 | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B07 | 0.58 | mg/kg | no | | | 0.58 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B08 | ND | mg/kg | no | 0.26 | | 0.13 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B09 | 0.39 | mg/kg | no | | | 0.39 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B16 | 0.2J | mg/kg | no | | | 0.2 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B17 | ND | mg/kg | no | 0.23 | | 0.115 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B24 | ND | mg/kg | no | 0.21 | | 0.105 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B25 | 0.19J | mg/kg | no | | | 0.19 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B26 | 0.58 | mg/kg | no | | | 0.58 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B27 | 1.2 | mg/kg | yes | | | 1.2 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B32 | 0.12J | mg/kg | no | | | 0.12 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B33 | 0.26 | mg/kg | no | | | 0.26 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B34 | 0.3 | mg/kg | no | | | 0.3 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B35 | 0.49 | mg/kg | no | | | 0.49 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B39 | ND | mg/kg | no | 1.1 | | 0.55 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B40 | ND | mg/kg | no | 0.22 | | 0.11 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B41 | 0.13J | mg/kg | no | | | 0.13 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B42 | 0.58 | mg/kg | no | | | 0.58 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B43 | ND | mg/kg | no | 0.26 | | 0.13 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B44 | 1.3 | mg/kg | yes | | | 1.3 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B67 | 0.43 | mg/kg | no | | | 0.43 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B68 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B69 | 0.47 | mg/kg | no | | | 0.47 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B70 | ND | mg/kg | no | 0.2 | | 0.1 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B71 | 1.9 | mg/kg | yes | | | 1.9 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B72 | 0.76 | mg/kg | no | | | 0.76 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B75 | ND | mg/kg | no | 0.2 | | 0.1 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B76 | 0.16J | mg/kg | no | | | 0.16 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B77 | ND | mg/kg | no | 0.24 | | 0.12 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B78 | ND | mg/kg | no | 0.22 | | 0.11 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B79 | ND | mg/kg | no | 0.24 | | 0.12 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B80 | ND | mg/kg | no | 0.22 | | 0.11 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B83 | ND | mg/kg | no | 0.2 | | 0.1 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B84 | 4.9 | mg/kg | yes | | | 4.9 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B85 | ND | mg/kg | no | 0.2 | | 0.1 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B86 | ND | mg/kg | no | 0.22 | | 0.11 |

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

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

| Analyte Name | Compliance Area | RDCSCC | Boring ID | Result | Units | Exceeds Criteria | MDL | Dilution Factor | Result Used for Average |
|---|---|---|---|---|---|---|---|---|---|
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B87 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B92 | 3 | mg/kg | yes | | | 3 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B93 | ND | mg/kg | no | 0.22 | | 0.11 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B94 | ND | mg/kg | no | 0.22 | | 0.11 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B95 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B96 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B159 | ND | mg/kg | no | 0.24 | | 0.12 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B160 | ND | mg/kg | no | 0.22 | | 0.11 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B161 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B162 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B163 | 0.29 | mg/kg | no | | | 0.29 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B165 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B166 | 0.12J | mg/kg | no | | | 0.12 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B167 | 0.12J | mg/kg | no | | | 0.12 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B168 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B169 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B179 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B181 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B197 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B200 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B201 | ND | mg/kg | no | 0.24 | | 0.12 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B202 | 2.1 | mg/kg | yes | | | 2.1 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B203 | 0.15J | mg/kg | no | | | 0.15 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B204 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B205 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B206 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B207 | ND | mg/kg | no | 0.24 | | 0.12 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B209 | 0.19J | mg/kg | no | | | 0.19 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B210 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B211 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B212 | 0.12J | mg/kg | no | | | 0.12 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B213 | 0.14J | mg/kg | no | | | 0.14 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B216 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B217 | ND | mg/kg | no | | | |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B218 | 0.55J | mg/kg | no | | | 0.55 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B219 | ND | mg/kg | no | 1.1 | | 0.55 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B220 | 2 | mg/kg | yes | | | 2 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B223 | 0.55J | mg/kg | no | | | 0.55 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B226 | 0.2J | mg/kg | no | | | 0.2 |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | B227 | ND | mg/kg | no | 1.2 | | 0.6 |

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

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

| Analyte Name | Compliance Area | RDCSCC | Boring ID | Result | Units | Exceeds Criteria | MDL | Dilution Factor | Result Used for Average |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | **Compliance Average Result:** | **0.517** |

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

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

| Analyte Name | Compliance Area | RDCSCC | Boring ID | Result | Units | Exceeds Criteria | MDL | Dilution Factor | Result Used for Average |
|---|---|---|---|---|---|---|---|---|---|
| Pest/PCBs | | | | | | | | | |
| ***4,4'-DDD*** | | | | | | | | | |
| | AREA PESTPCB-1 | | | | | | | | |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B201 | ND | mg/kg | no | | | |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B207 | ND | mg/kg | no | | | |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B212 | ND | mg/kg | no | | | |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B213 | 0.814 | mg/kg | no | | | 0.814 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B220 | 0.021 | mg/kg | no | | | 0.021 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B221 | 2.225 | mg/kg | no | | | 2.225 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B227 | 0.276 | mg/kg | no | | | 0.276 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B228 | 0.419 | mg/kg | no | | | 0.419 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B233 | 0.068 | mg/kg | no | | | 0.068 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B234 | 0.143 | mg/kg | no | | | 0.143 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B235 | 0.209 | mg/kg | no | | | 0.209 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B239 | 0.779 | mg/kg | no | | | 0.779 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B240 | 0.287 | mg/kg | no | | | 0.287 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B241 | 0.077 | mg/kg | no | | | 0.077 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B242 | 0.056 | mg/kg | no | | | 0.056 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B244 | 0.178 | mg/kg | no | | | 0.178 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B245 | 0.08 | mg/kg | no | | | 0.08 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B246 | 0.171 | mg/kg | no | | | 0.171 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B247 | 0.145 | mg/kg | no | | | 0.145 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B248 | 0.045 | mg/kg | no | | | 0.045 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B249 | 0.378 | mg/kg | no | | | 0.378 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B250 | 0.729 | mg/kg | no | | | 0.729 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B251 | 0.046 | mg/kg | no | | | 0.046 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B252 | 0.041 | mg/kg | no | | | 0.041 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B253 | 0.043 | mg/kg | no | | | 0.043 |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | B254 | 3.787 | mg/kg | yes | | | 3.787 |
| | | | | | | **Compliance Average Result:** | | | **0.479** |
| ***4,4'-DDE*** | | | | | | | | | |
| | AREA PESTPCB-1 | | | | | | | | |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B201 | 0.047 | mg/kg | no | | | 0.047 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B207 | ND | mg/kg | no | | | |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B212 | ND | mg/kg | no | | | |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B213 | 0.473 | mg/kg | no | | | 0.473 |

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

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

| Analyte Name | Compliance Area | RDCSCC | Boring ID | Result | Units | Exceeds Criteria | MDL | Dilution Factor | Result Used for Average |
|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B220 | 0.104 | mg/kg | no | | | 0.104 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B221 | 0.433 | mg/kg | no | | | 0.433 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B227 | 0.241 | mg/kg | no | | | 0.241 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B228 | 0.262 | mg/kg | no | | | 0.262 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B233 | 0.104 | mg/kg | no | | | 0.104 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B234 | 0.08 | mg/kg | no | | | 0.08 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B235 | 0.204 | mg/kg | no | | | 0.204 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B239 | 0.592 | mg/kg | no | | | 0.592 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B240 | 0.445 | mg/kg | no | | | 0.445 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B241 | 0.195 | mg/kg | no | | | 0.195 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B242 | 0.036 | mg/kg | no | | | 0.036 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B244 | 1.003 | mg/kg | no | | | 1.003 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B245 | 0.164 | mg/kg | no | | | 0.164 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B246 | 0.33 | mg/kg | no | | | 0.33 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B247 | 0.408 | mg/kg | no | | | 0.408 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B248 | 0.083 | mg/kg | no | | | 0.083 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B249 | 0.903 | mg/kg | no | | | 0.903 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B250 | 3.33 | mg/kg | yes | | | 3.33 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B251 | 0.742 | mg/kg | no | | | 0.742 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B252 | 1.104 | mg/kg | no | | | 1.104 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B253 | 0.23 | mg/kg | no | | | 0.23 |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | B254 | 4.185 | mg/kg | yes | | | 4.185 |
| | | | | | | **Compliance Average Result:** | | | **0.654** |

## *Arochlor 1254*

### AREA PESTPCB-1

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B201 | 1.499 | mg/kg | yes | | | 1.499 |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B207 | 0.165 | mg/kg | no | | | 0.165 |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B212 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B213 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B220 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B221 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B227 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B228 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B233 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B234 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B235 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B239 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B240 | ND | mg/kg | no | | | |

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

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

| Analyte Name | Compliance Area | RDCSCC | Boring ID | Result | Units | Exceeds Criteria | MDL | Dilution Factor | Result Used for Average |
|---|---|---|---|---|---|---|---|---|---|
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B241 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B242 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B244 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B245 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B246 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B247 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B248 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B249 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B250 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B251 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B252 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B253 | ND | mg/kg | no | | | |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | B254 | ND | mg/kg | no | | | |
| | | | | | | **Compliance Average Result:** | | | **0.832** |

***Dieldrin***

AREA PESTPCB-1

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Dieldrin | AREA PESTPCB-1 | 0.042 | B201 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B207 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B212 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B213 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B220 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B221 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B227 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B228 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B233 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B234 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B235 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B239 | 0.049 | mg/kg | yes | | | 0.049 |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B240 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B241 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B242 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B244 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B245 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B246 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B247 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B248 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B249 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B250 | ND | mg/kg | no | | | |

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

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

| Analyte Name | Compliance Area | RDCSCC | Boring ID | Result | Units | Exceeds Criteria | MDL | Dilution Factor | Result Used for Average |
|---|---|---|---|---|---|---|---|---|---|
| Dieldrin | AREA PESTPCB-1 | 0.042 | B251 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B252 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B253 | ND | mg/kg | no | | | |
| Dieldrin | AREA PESTPCB-1 | 0.042 | B254 | ND | mg/kg | no | | | |
| | | | | | | **Compliance Average Result:** | | | **0.049** |

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

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

| Analyte Name | Compliance Area | RDCSCC | Boring ID | Result | Units | Exceeds Criteria | MDL | Dilution Factor | Result Used for Average |
|---|---|---|---|---|---|---|---|---|---|
| Metals | | | | | | | | | |
| ***Mercury*** | | | | | | | | | |
| | AREA METALS-1 | | | | | | | | |
| Mercury | AREA METALS-1 | 14 | B03 | 0.949 | mg/kg | no | | | 0.949 |
| Mercury | AREA METALS-1 | 14 | B04 | ND | mg/kg | no | 0.011 | | 0.0055 |
| Mercury | AREA METALS-1 | 14 | B05 | 0.228 | mg/kg | no | | | 0.228 |
| Mercury | AREA METALS-1 | 14 | B06 | ND | mg/kg | no | 0.011 | | 0.0055 |
| Mercury | AREA METALS-1 | 14 | B07 | 0.687 | mg/kg | no | | | 0.687 |
| Mercury | AREA METALS-1 | 14 | B08 | 1.257 | mg/kg | no | | | 1.257 |
| Mercury | AREA METALS-1 | 14 | B09 | 0.236 | mg/kg | no | | | 0.236 |
| Mercury | AREA METALS-1 | 14 | B13 | 0.467 | mg/kg | no | | | 0.467 |
| Mercury | AREA METALS-1 | 14 | B15 | 0.012 | mg/kg | no | | | 0.012 |
| Mercury | AREA METALS-1 | 14 | B16 | 0.437 | mg/kg | no | | | 0.437 |
| Mercury | AREA METALS-1 | 14 | B17 | 0.062 | mg/kg | no | | | 0.062 |
| Mercury | AREA METALS-1 | 14 | B18 | 0.133 | mg/kg | no | | | 0.133 |
| Mercury | AREA METALS-1 | 14 | B23 | ND | mg/kg | no | 0.012 | | 0.006 |
| Mercury | AREA METALS-1 | 14 | B24 | ND | mg/kg | no | 0.011 | | 0.0055 |
| Mercury | AREA METALS-1 | 14 | B25 | 0.201 | mg/kg | no | | | 0.201 |
| Mercury | AREA METALS-1 | 14 | B26 | 0.485 | mg/kg | no | | | 0.485 |
| Mercury | AREA METALS-1 | 14 | B27 | 0.512 | mg/kg | no | | | 0.512 |
| Mercury | AREA METALS-1 | 14 | B32 | 0.025 | mg/kg | no | | | 0.025 |
| Mercury | AREA METALS-1 | 14 | B33 | 0.979 | mg/kg | no | | | 0.979 |
| Mercury | AREA METALS-1 | 14 | B34 | 0.662 | mg/kg | no | | | 0.662 |
| Mercury | AREA METALS-1 | 14 | B35 | 1.562 | mg/kg | no | | | 1.562 |
| Mercury | AREA METALS-1 | 14 | B40 | 0.013 | mg/kg | no | | | 0.013 |
| Mercury | AREA METALS-1 | 14 | B41 | 0.891 | mg/kg | no | | | 0.891 |
| Mercury | AREA METALS-1 | 14 | B42 | 0.754 | mg/kg | no | | | 0.754 |
| Mercury | AREA METALS-1 | 14 | B43 | 0.085 | mg/kg | no | | | 0.085 |
| Mercury | AREA METALS-1 | 14 | B44 | 0.164 | mg/kg | no | | | 0.164 |
| Mercury | AREA METALS-1 | 14 | B45 | 10.194 | mg/kg | no | | | 10.194 |
| Mercury | AREA METALS-1 | 14 | B46 | 5.04 | mg/kg | no | | | 5.04 |
| Mercury | AREA METALS-1 | 14 | B47 | 0.039 | mg/kg | no | | | 0.039 |
| Mercury | AREA METALS-1 | 14 | B48 | 0.51 | mg/kg | no | | | 0.51 |
| Mercury | AREA METALS-1 | 14 | B49 | 5.141 | mg/kg | no | | | 5.141 |
| Mercury | AREA METALS-1 | 14 | B50 | 0.074 | mg/kg | no | | | 0.074 |
| Mercury | AREA METALS-1 | 14 | B51 | 0.225 | mg/kg | no | | | 0.225 |
| Mercury | AREA METALS-1 | 14 | B55 | 0.213 | mg/kg | no | | | 0.213 |
| Mercury | AREA METALS-1 | 14 | B56 | 0.9 | mg/kg | no | | | 0.9 |

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

Table 4-5
Compliance Averaging Results
M-5 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-1 | 14 | B57 | 0.459 | mg/kg | no | | | 0.459 |
| Mercury | AREA METALS-1 | 14 | B58 | 0.039 | mg/kg | no | | | 0.039 |
| Mercury | AREA METALS-1 | 14 | B59 | 17.584 | mg/kg | yes | | | 17.584 |
| Mercury | AREA METALS-1 | 14 | B60 | 0.671 | mg/kg | no | | | 0.671 |
| Mercury | AREA METALS-1 | 14 | B61 | 0.058 | mg/kg | no | | | 0.058 |
| Mercury | AREA METALS-1 | 14 | B62 | 0.161 | mg/kg | no | | | 0.161 |
| Mercury | AREA METALS-1 | 14 | B63 | 0.115 | mg/kg | no | | | 0.115 |
| Mercury | AREA METALS-1 | 14 | B69 | ND | mg/kg | no | | | |
| Mercury | AREA METALS-1 | 14 | B70 | ND | mg/kg | no | | | |
| Mercury | AREA METALS-1 | 14 | B71 | 0.079 | mg/kg | no | | | 0.079 |
| Mercury | AREA METALS-1 | 14 | B72 | 0.115 | mg/kg | no | | | 0.115 |
| Mercury | AREA METALS-1 | 14 | B77 | 0.029 | mg/kg | no | | | 0.029 |
| Mercury | AREA METALS-1 | 14 | B78 | ND | mg/kg | no | | | |
| Mercury | AREA METALS-1 | 14 | B79 | ND | mg/kg | no | | | |
| Mercury | AREA METALS-1 | 14 | B80 | ND | mg/kg | no | | | |
| Mercury | AREA METALS-1 | 14 | B86 | ND | mg/kg | no | | | |
| Mercury | AREA METALS-1 | 14 | B87 | 0.034 | mg/kg | no | | | 0.034 |
| Mercury | AREA METALS-1 | 14 | B88 | 0.044 | mg/kg | no | | | 0.044 |
| Mercury | AREA METALS-1 | 14 | B97 | 0.099 | mg/kg | no | | | 0.099 |
| Mercury | AREA METALS-1 | 14 | B98 | 0.34 | mg/kg | no | | | 0.34 |
| Mercury | AREA METALS-1 | 14 | B99 | 4.465 | mg/kg | no | | | 4.465 |
| Mercury | AREA METALS-1 | 14 | B197 | 0.063 | mg/kg | no | | | 0.063 |
| Mercury | AREA METALS-1 | 14 | B198 | 0.029 | mg/kg | no | | | 0.029 |
| Mercury | AREA METALS-1 | 14 | B199 | 0.153 | mg/kg | no | | | 0.153 |
| Mercury | AREA METALS-1 | 14 | B243 | 0.255 | mg/kg | no | | | 0.255 |
| | | | | | | **Compliance Average Result:** | | | **1.073** |

***Nickel***

AREA METALS-2

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Nickel | AREA METALS-2 | 250 | B235 | 4.77 | mg/kg | no | | | 4.77 |
| Nickel | AREA METALS-2 | 250 | B236 | 6.44 | mg/kg | no | | | 6.44 |
| Nickel | AREA METALS-2 | 250 | B241 | 5 | mg/kg | no | | | 5 |
| Nickel | AREA METALS-2 | 250 | B242 | 431 | mg/kg | yes | | | 431 |
| Nickel | AREA METALS-2 | 250 | B243 | 8.64 | mg/kg | no | | | 8.64 |
| Nickel | AREA METALS-2 | 250 | B247 | 4.52 | mg/kg | no | | | 4.52 |
| Nickel | AREA METALS-2 | 250 | B248 | 6.14 | mg/kg | no | | | 6.14 |
| | | | | | | **Compliance Average Result:** | | | **66.644** |

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

Table 4-6
Compliance Analysis Results Summary
M-5 Landfill
Fort Monmouth, New Jersey

| Analyte Name | Compliance Average Area | RDCSCC | Units | Compliance Averaging Performed | Compliance Average Result | Compliance Analysis Result |
|---|---|---|---|---|---|---|
| VOCs | | | | | | |
| Tetrachloroethene | AREA VOC-1 | 4 | mg/kg | Yes | 3.247 | 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-5 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)pyrene | AREA SVOC-1 | 0.66 | mg/kg | No | | Given the scattered distribution of exceedances,site conditions, and limited public access to the site, No Further Action is warranted. The DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan. |
| Benzo(b)fluoranthene | AREA SVOC-1 | 0.9 | mg/kg | Yes | 0.885 | Compliance average below RDCSCC. No Further Action is warranted. |
| Benzo(k)fluoranthene | AREA SVOC-1 | 0.9 | mg/kg | Yes | 0.664 | Compliance average below RDCSCC. No Further Action is warranted. |
| Chrysene | AREA SVOC-1 | 9 | mg/kg | Yes | 1.812 | Compliance average below RDCSCC. No Further Action is warranted. |
| Dibenz(a,h)anthracene | 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. |
| Indeno(1,2,3-cd)pyrene | AREA SVOC-1 | 0.9 | mg/kg | Yes | 0.517 | 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-5 Landfill
Fort Monmouth, New Jersey

| Analyte Name | Compliance Average Area | RDCSCC | Units | Compliance Averaging Performed | Compliance Average Result | Compliance Analysis Result |
|---|---|---|---|---|---|---|
| Pest/PCBs | | | | | | |
| 4,4'-DDD | AREA PESTPCB-1 | 3 | mg/kg | Yes | 0.479 | Compliance average below RDCSCC. No Further Action is warranted. |
| 4,4'-DDE | AREA PESTPCB-1 | 2 | mg/kg | Yes | 0.654 | Compliance average below RDCSCC. No Further Action is warranted. |
| 4,4'-DDT | AREA PESTPCB-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. |
| Arochlor 1254 | AREA PESTPCB-1 | 0.49 | mg/kg | Yes | 0.832 | Compliance average marginally above RDCSCC (within 1 to 2 mg/kg). No Further Action is warranted. |
| Dieldrin | AREA PESTPCB-1 | 0.042 | mg/kg | Yes | 0.049 | Compliance average marginally above RDCSCC (within 1 to 2 mg/kg). 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-5 Landfill
Fort Monmouth, New Jersey

| Analyte Name | Compliance Average Area | RDCSCC | Units | Compliance Averaging Performed | Compliance Average Result | Compliance Analysis Result |
|---|---|---|---|---|---|---|
| Metals | | | | | | |
| Arsenic | AREA METALS-1 | 20 | mg/kg | No | | Given the scattered distribution of exceedances,site conditions, and limited public access to the site, No Further Action is warranted. The DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan. |
| Beryllium | AREA METALS-1 | 2 | mg/kg | No | | Given the scattered distribution of exceedances,site conditions, and limited public access to the site, No Further Action is warranted. The DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan. |
| Copper | AREA METALS-1 | 600 | 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. |
| Mercury | AREA METALS-1 | 14 | mg/kg | Yes | 1.073 | Compliance average below RDCSCC. No Further Action is warranted. |
| Nickel | AREA METALS-2 | 250 | mg/kg | Yes | 66.644 | Compliance average below RDCSCC. No Further Action is warranted. |
| Thallium | AREA METALS-1 | 2 | mg/kg | No | | Given the scattered distribution of exceedances,site conditions, and limited public access to the site, No Further Action is warranted. The DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan. |

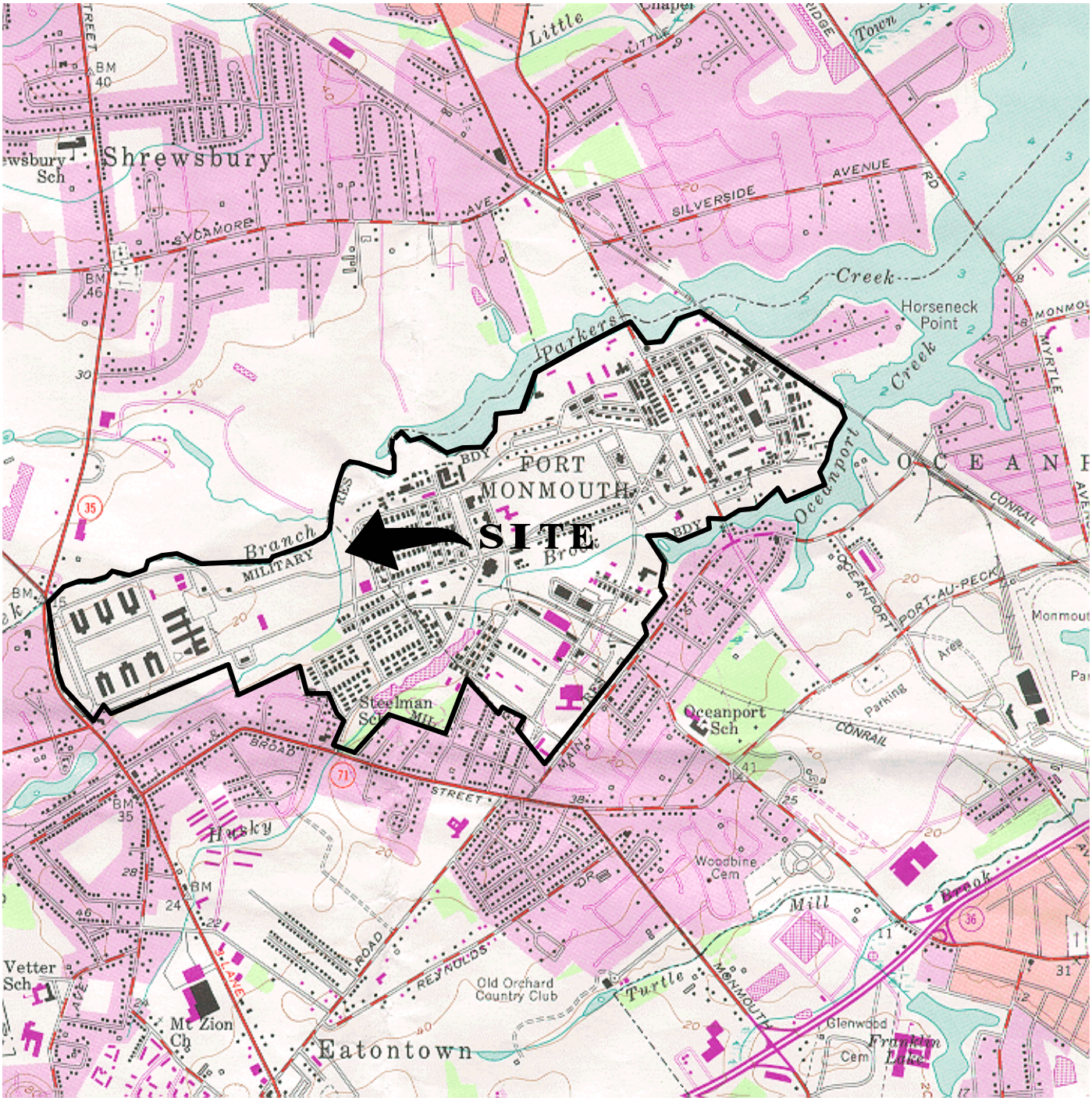
Notes:
RDCSCC = Residential Direct Contact Cleanup Criteria pre N.J.A.C. 7:26D.
VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds.
Pest/PCBs = Pesticides/Polychlorinated-Biphenyls.
DER = Declaration of Environmental Restriction.

Table 4-6
Compliance Analysis Results Summary
M-5 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-5 Landfill Site**
**Fort Monmouth, New Jersey**

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

# Geologic Map of New Jersey

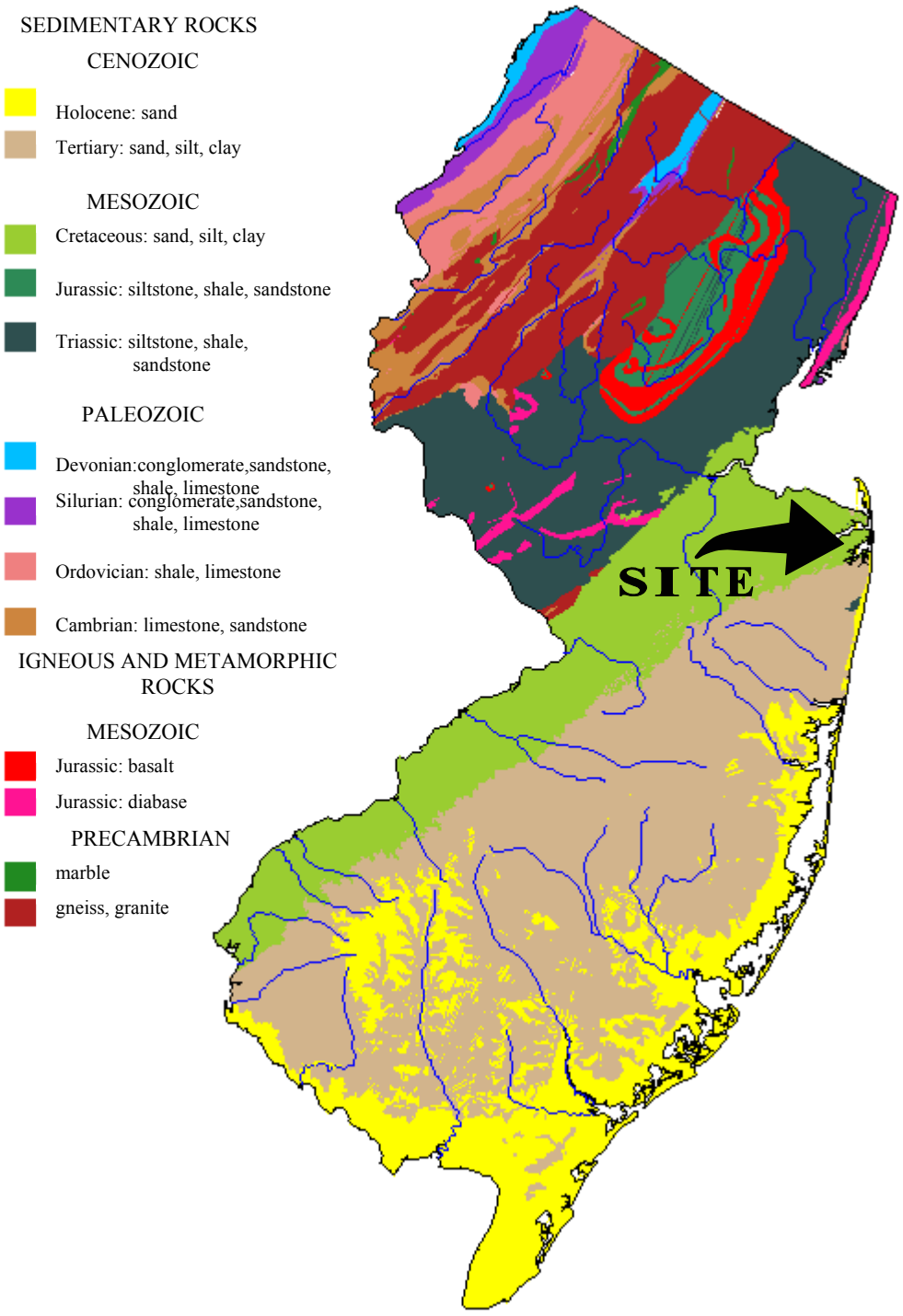
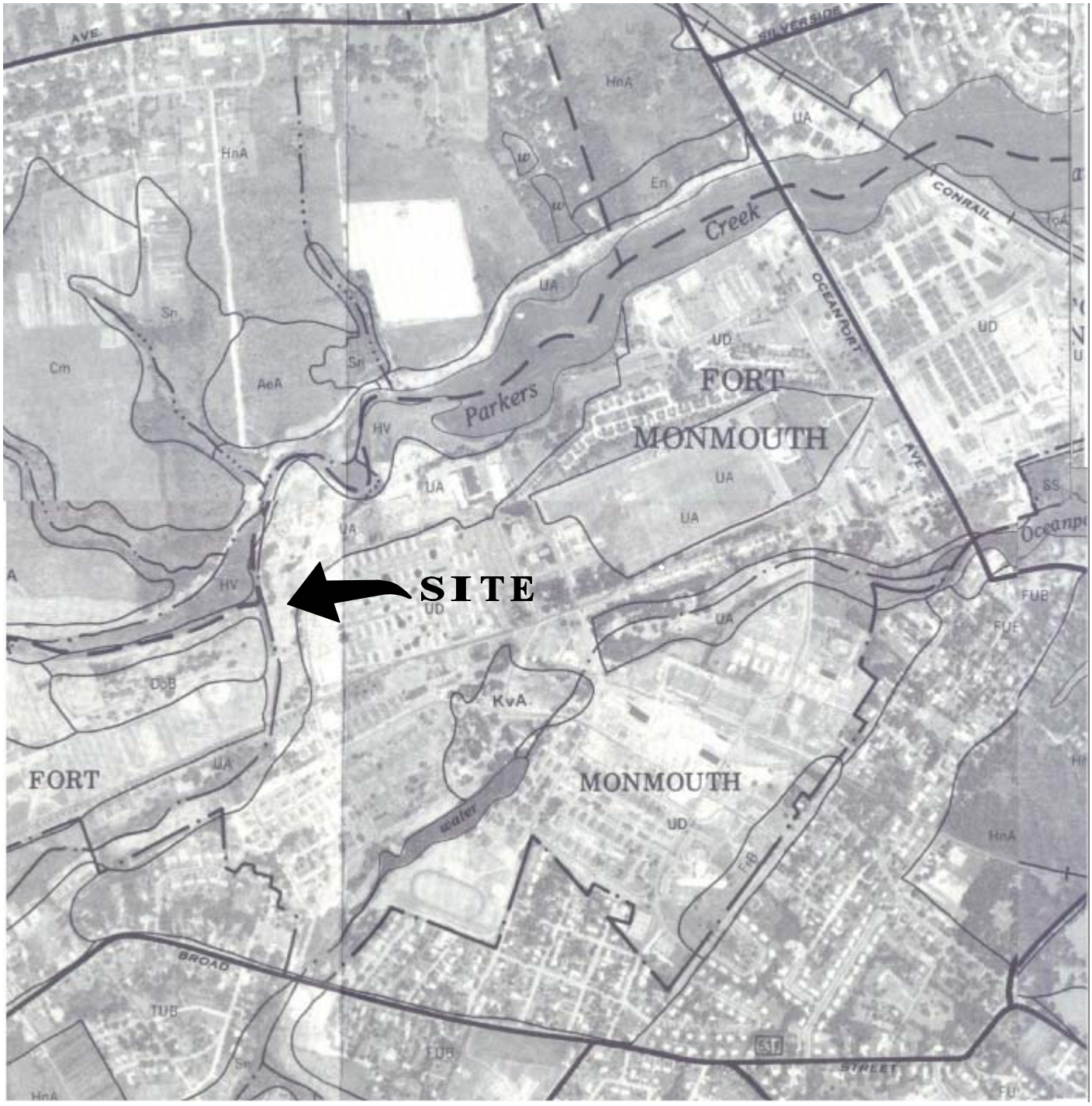



**Figure 2-2**
**Geologic Map of New Jersey**
**M-5 Landfill Site**
**Fort Monmouth, New Jersey**


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


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




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

**Figure 2-3**
**Soil Map of Monmouth County**
**M-5 Landfill Site**
**Fort Monmouth, New Jersey**

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

BRUSH

BRUSH

BRUSH

BRUSH

BRUSH

E E K

BRUSH

T-198

M-5 LANDFILL
BOUNDARY

SHRUBS

678

T-676

T-677

T-675

802

T-682

NORTH DRIVE

N

## LEGEND

1
● = SOIL BORING LOCATION

NOTES:

| | | | | |
|---|---|---|---|---|
| B | REVIEW EDITS | | 06 SEPT 02 | TJW |
| REV. | REVISIONS | APPROVED | DATE | DRAWN BY |

TITLE:

FIGURE 3-1
SOIL BORING LOCATION MAP
M-5 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

| | |
|---|---|
| DRAWN BY: TJW | DATE DRAWN: 23 AUG 00 |
| CHECKED BY: | DATE CHECKED: |
| APPROVED BY: | DATE APPROVED: |
| | DRAWING No.:M5-SOIL BORING |
| | FILE No.: M5-SOIL BORING |
| | SCALE: 1" = 30' |
| | SHEET OF REV.: B |

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




## LEGEND

| VOLATILES | NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA |
|---|---|
| TETRACHLOROETHENE | 4 (mg/kg) |

NOTES:

1.) SAMPLING DEPTH IS 24" FOR ALL SOIL BORINGS.
2.) ▭ = EXCEEDS NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
3.) THIS MAP PRESENTS DATA FOR THOSE ANALYTES THAT EXCEEDED THE RDCSCC IN AT LEAST ONE SOIL BORING.
4.) NLE = NO LIMIT ESTABLISHED
5.) ND = NOT DETECTED

| REV. | REVISIONS | APPROVED | DATE | DRAWN BY |
|---|---|---|---|---|
| B | REVIEW EDITS | | 09 SEPT 02 | TJW |

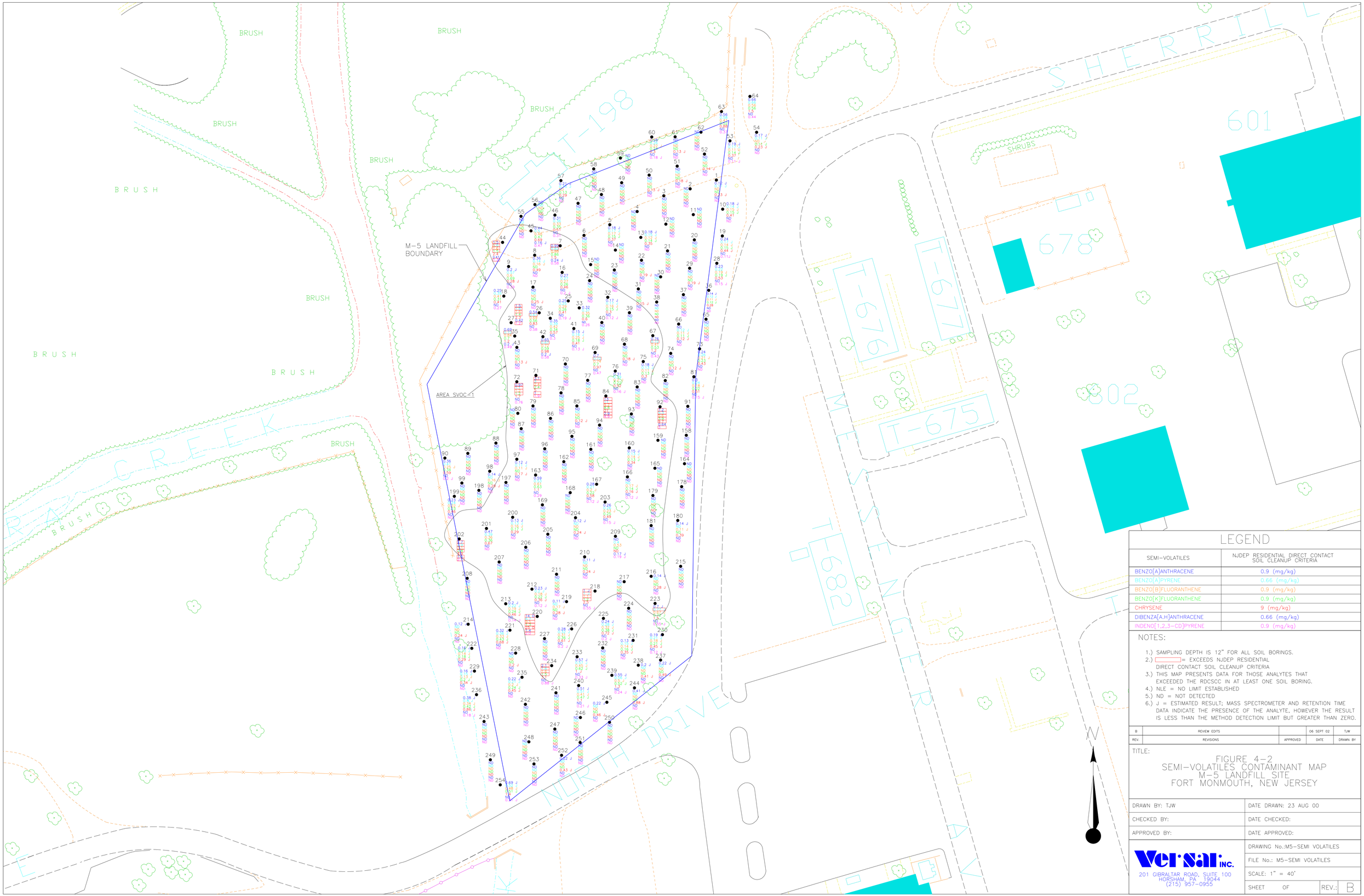
TITLE:

# FIGURE 4-1
# VOLATILES CONTAMINANT MAP
# M-5 LANDFILL SITE
# FORT MONMOUTH, NEW JERSEY

| | |
|---|---|
| DRAWN BY: TJW | DATE DRAWN: 23 AUG 00 |
| CHECKED BY: TJK | DATE CHECKED: |
| APPROVED BY: | DATE APPROVED: |


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


| | |
|---|---|
| DRAWING No.: M5-VOLATILES | |
| FILE No.: M5-VOLATILES | |
| SCALE: 1" = 40' | |
| SHEET OF | REV.: B |




## 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) |
| DIBENZA[A,H]ANTHRACENE | 0.66 (mg/kg) |
| INDENO[1,2,3-CD]PYRENE | 0.9 (mg/kg) |

NOTES:

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

| REV. | REVISIONS | APPROVED | DATE | DRAWN BY |
|---|---|---|---|---|
| B | REVIEW EDITS | | 06 SEPT 02 | TJW |

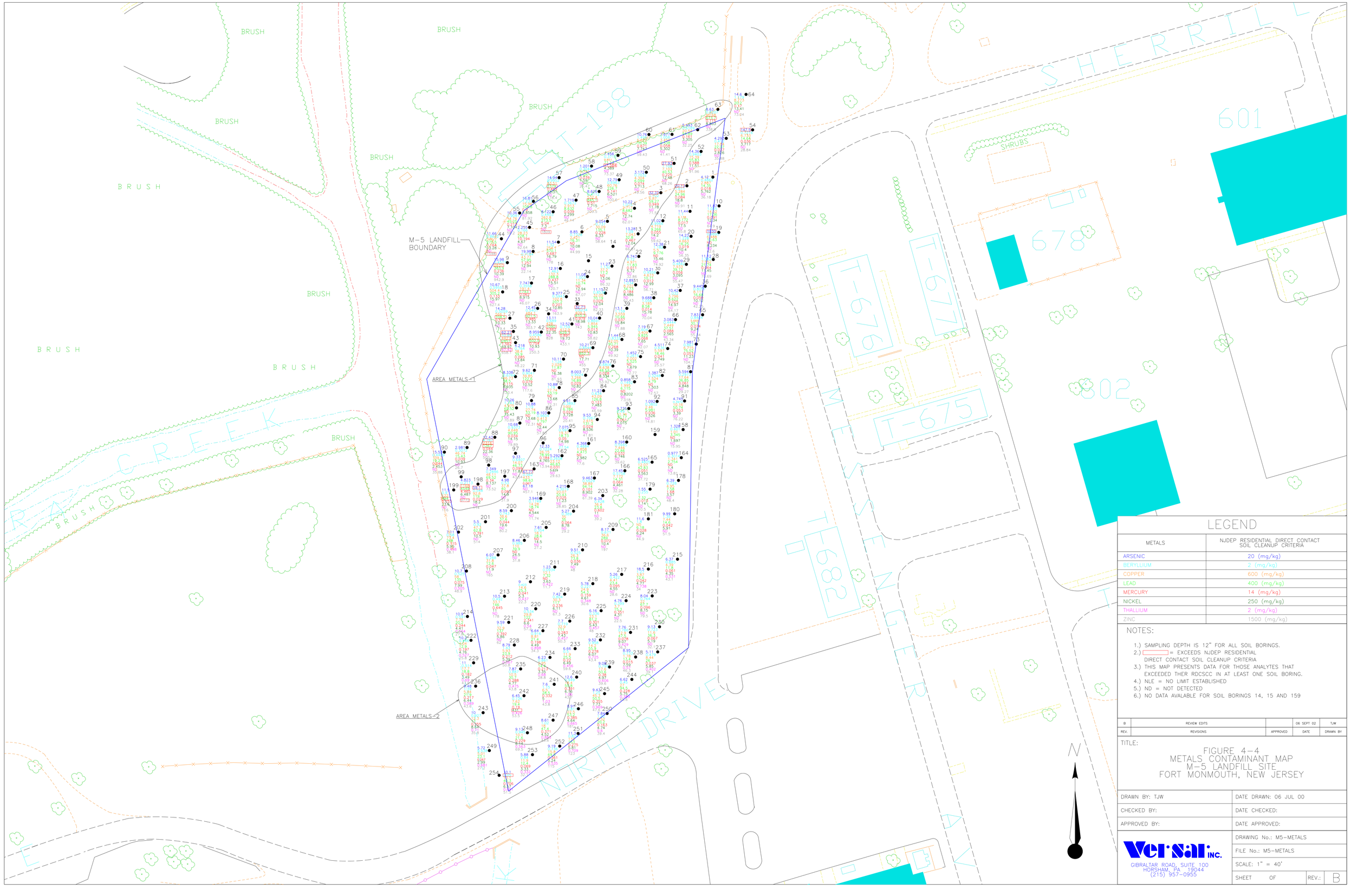
TITLE:

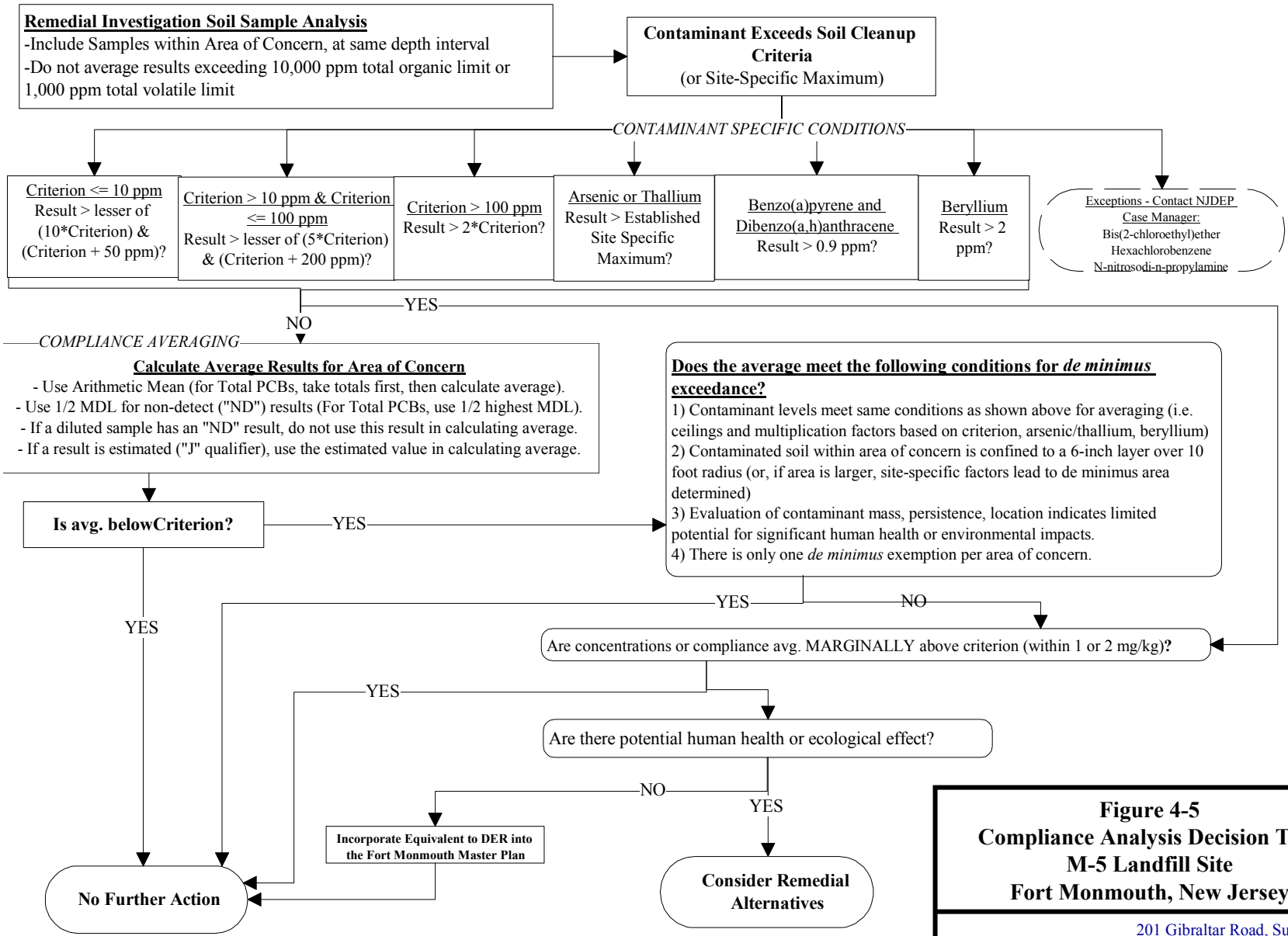
# FIGURE 4-2
# SEMI-VOLATILES CONTAMINANT MAP
# M-5 LANDFILL SITE
# FORT MONMOUTH, NEW JERSEY

| | |
|---|---|
| DRAWN BY: TJW | DATE DRAWN: 23 AUG 00 |
| CHECKED BY: | DATE CHECKED: |
| APPROVED BY: | DATE APPROVED: |
| | DRAWING No.:M5-SEMI VOLATILES |
| | FILE No.: M5-SEMI VOLATILES |
| | SCALE: 1" = 40' |
| | SHEET OF REV.: B |


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


BRUSH
BRUSH
BRUSH


BRUSH
BRUSH
BRUSH




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

**Figure 4-5**
**Compliance Analysis Decision Tree**
**M-5 Landfill Site**
**Fort Monmouth, New Jersey**


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-5 Landfill Site, dated July 7, 1998

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

REPLY TO
ATTENTION OF
Directorate of Public Works

July 7, 1998

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

SUBJECT: Remedial Investigation of Landfill Cover Material

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

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

Dear Mr. Curtis:

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

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

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

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

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

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

Joseph M. Fallon

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

# TABLE # 1

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

# APPENDIX B

## NJDEP Approval Letter to DPW for RIR for Near Surface Soils at the M-5 Landfill Site, dated August 10, 1998

State of New Jersey
Department of Environmental Protection

Christine Todd Whitman
*Governor*

Robert C. Shinn, Jr.
*Commissioner*

AUG 10 1998

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

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

Dear Mr. Fallon:

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

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

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

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

Sincerely,

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

FTMMTH53.DOC

# APPENDIX C

## Roy F. Weston, Inc. Site Investigation Report, December 1995
## Section 4.2.5 – Landfill 5 (M-5)

### 4.2.5 Landfill 5 (M-5)

#### 4.2.5.1 Site Location

Landfill 5 (M-5) is located just north of Landfill 4 in the area bounded by North Drive to the south, an unpaved road south of Building T-198 to the north, Wilson Avenue to the east, and Mill and Parkers Creeks to the west (Figure 4.2-7). The approximate area of site M-5 is 138,200 $ft^2$ (3.2 acres).

#### 4.2.5.2 Site History

According to the IA, Landfill 5 was in use between 1952 and 1959, and was reportedly used for the disposal of automobiles as well as for domestic and industrial wastes similar to those mentioned in Subsection 4.2.2.2. Like Landfill 4, this landfill was also constructed in a former swamp and is presently flat and grass covered.

As part of an NJPDES permit, surface-water samples have been taken at two locations (one upstream on Mill Creek and one downstream on Lafetra Creek) since February 1986. The results are summarized in the recent report (WESTON, 1993). One VOC (tetrachloroethene) was detected in concentrations above the NJDEP surface-water criteria.

#### 4.2.5.3 Sampling Effort

Two shallow monitor wells (MW-10 and MW-11) were installed (Figure 4.2-7), and two rounds of groundwater sampling were conducted in an effort to further evaluate the presence of VOCs, metals, and inorganics detected from samples collected during a previous investigation. Monitor wells MW-10 and MW-11 were sampled twice for TCL +30 parameters, TAL metals, sulfate, and cyanide.

#### 4.2.5.4 Hydrogeologic Interpretation

Borehole logs from MW-10 and MW-11 indicate that the lithology consists of a thin soil cover (0.5 ft) partially underlain by fill and interbedded sand with silt and clay laminae. The components of the fill materials observed in both borings consist of coal, glass, and plastic fragments found interspersed within a silty sand and clay matrix and overlie a dark-green-brown silty/clayey medium-coarse-grained sand with silt and clay laminae.

Groundwater saturation was encountered at approximately 4 ft bgs at both well locations. The two monitor wells were screened across the water table, with total depths of 15 ft bgs. Water-level elevation data, measured on 6 March 1995, indicate that approximate local groundwater flow is west toward Mill Creek (Figure 4.2-10). Based on groundwater elevation measurements, monitor well MW-10 is downgradient of the area under investigation.

#### 4.2.5.5 Groundwater Sampling Results

Monitor wells at site M-5 were sampled for the analytical parameters listed in Table 3.8-1. The compounds detected in groundwater samples from the individual sampling rounds, with the corresponding sample identifications, are listed in Appendix D. Table 4.2-8 compares the average concentrations of the detected compounds from the February and March sampling rounds with the NJDEP GWQC, and then compares the results to the site-specific and Monmouth County maximum background concentrations, where appropriate. Figure 4.2-11 presents the locations and average concentrations of compounds detected above the NJDEP GWQC and the established maximum background concentrations.

**VOCs**

Tetrachloroethene (PCE) was the only VOC detected in site groundwater. However, the PCE concentrations exceeded the NJDEP GWQC and background from both sampling rounds in MW-11, the upgradient well (Figure 4.2-11). In addition, tetrachloroethene was detected in

# Table 4.2-8
## Fort Monmouth - Main Post
## Summary of Average Concentration of Detected Compounds in Groundwater - Site M-5

| COMPOUND | METHOD DETECTION LIMIT (µg/L) | NJDEP GROUNDWATER QUALITY CRITERIA (µg/L) | MAXIMUM BACKGROUND CONCENTRATION (µg/L) | ANALYTICAL RESULTS (µg/L) SAMPLING DATE | |
|---|---|---|---|---|---|
| | | | | MW10 2/17/95, 3/9/95 (avg.) | MW11 2/17/95, 3/9/95 (avg.) |
| **VOC's (µg/L)** | | | | | |
| Tetrachloroethene (PCE)[1] | 4.0** | 1* | ND | ND | **109** |
| **SVOCs (µg/L)** | | | | | |
| bis-(2-Ethylhexyl)phthalate | 9.7 | 30* | ND | ND | 3.5J |
| **METALS TOTAL (µg/L)** | | | | | |
| Aluminum | 24 | 200 | 121000 | 155.8 | **1052.5** |
| Barium | 1.7 | 2000 | 699 | 116 | 16.05 |
| Calcium | 10.4 | NLE | 45400 | 16500 | 11100 |
| Chromium | 2.9 | 100 | 191 | 3.925 | 12.9 |
| Copper | 1.9 | 1000 | 730[2] | 7.05 | 2.9 |
| Iron | 6.4 | 300 | 431000 | **9205** | **4685** |
| Potassium | 685 | NLE | 137000 | 8850 | 3305 |
| Magnesium | 18.3 | NLE | 62700 | 13550 | 4220 |
| Manganese | 1.8 | 50 | 480[2] | **146.5** | 14.5 |
| Sodium | 30.5 | 50000 | 197000[2] | **82800** | 17950 |
| Lead | 1.6 | 10* | 22.7 | 5.65 | 2.2 |
| Vanadium | 2.1 | NLE | 108 | 1.825 | 5.85 |
| Zinc | 3.8 | 5000 | 233 | 7.75 | 173 |
| **OTHER INORGANICS (µg/L)** | | | | | |
| Sulfate | 5.0 | 250000 | NA | 14.8 | 43.75 |

[1] - same compound as listed by NJDEP tetrachloroethylene

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 quality criteria

NLE - No Level Established

ND - Indicates that the compound was not detected above quantification limits

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

NA - Not Analyzed

** - Method detection limit exceeds NJDEP groundwater quality criteria

[2] - Monmouth County maximum background concentration.

exceedance of the established surface-water criteria in a surface-water sample (SS-6) collected downgradient of site M-5 from a previous investigation.

**SVOCs**

SVOCs were not detected above laboratory quantitation limits in the site monitor wells from either sampling round. The level of bis(2-ethylhexyl) phthalate that could be estimated below the laboratory quantitation limit was well below the NJDEP GWQC.

**Pesticides/PCBs**

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

**Metals**

As indicated in Table 4.2-8, of the 13 metals detected in site groundwater, 4 metals (aluminum, iron, manganese, and sodium) were found in concentrations exceeding the NJDEP GWQC. However, aluminum, iron, and manganese were found in concentrations below those determined for site-specific and Monmouth County maximum background levels. Although sodium was detected in a concentration in MW-10 greater than the level established as site-specific background, the concentration was well below the Monmouth County maximum background level.

**Cyanide and Sulfate**

Cyanide and sulfate were analyzed in site groundwater samples. Cyanide was not detected in the site monitor wells from either sampling round. Sulfate was detected at low levels in MW-10 and MW-11 from both sampling rounds, well below the NJDEP GWQC.

### 4.2.5.6 Recommendations

PCE was detected in the upgradient well in concentrations exceeding NJDEP GWQC and background from both sampling rounds. Because the site formerly had an NJPDES permit, surface water has been sampled since 1986. During previous investigations, PCE was also detected at downgradient surface-water sampling location SS-6 (WESTON, 1993). Surface water was not sampled at site M-5 during this investigation because the maximum VOC concentrations at this site during previous rounds of sampling were less than the maximum concentrations at site M-2, which is upgradient. For site M-2, the results of the current round of surface-water sampling for VOCs are less than the maximum results from previous rounds.

Although groundwater sample results exceeded NJDEP criteria for one VOC, immediate remedial action is not required. Groundwater flows toward and discharges into Mill Creek and Lafetra Creek, as indicated by water-level measurements in site monitor wells. Also, there are no known uses of groundwater between the source and the streams. No surface-water sampling was performed at this site during this project. Previous sampling rounds have indicated that some VOC concentrations exceed NJDEP surface-water criteria in Mill Creek adjacent to site M-5. However, previous rounds of sampling have indicated that VOC concentrations do not exceed surface-water criteria at site M-8, which is downgradient of site M-5. Therefore, there is little immediate threat to human health.

In addition, since the landfill has not been used for decades, the concentrations of VOCs seem, at worst, to be stable and possibly decreasing. Presumably, since no material is being added to the source (the landfill), natural degradation will decrease groundwater and surface-water contamination levels in the future.

Since the existing monitor wells and surface-water sampling locations are adequately placed to monitor downgradient groundwater and surface water, DPW proposes that a long-term surface-water and 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 and

surface-water samples would be collected from points yet to be determined. Compounds of concern 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**
**NJDEP LABORATORY CERTIFICATION # 13461**



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

## M-5 LANDFLL

| Field Location No. & Location | Laboratory Sample ID# | Matrix | Date and Time Of Collection | Date Received |
|---|---|---|---|---|
| Trip Blank | 3465.01 | Methanol | 08-Apr-98 | 04/08/98 |
| M-5 B-1 6-12" | 3465.03 | Soil | 08-Apr-98 11:25 | 04/08/98 |
| M-5 B-1 24" | 3465.04 | Soil | 08-Apr-98 11:30 | 04/08/98 |
| M-5 B-2 6-12" | 3465.07 | Soil | 08-Apr-98 13:38 | 04/08/98 |
| M-5 B-2 24" | 3465.08 | Soil | 08-Apr-98 13:38 | 04/08/98 |
| M-5 B-3 6-12" | 3465.11 | Soil | 08-Apr-98 15:10 | 04/08/98 |
| M-5 B-3 24" | 3465.12 | Soil | 08-Apr-98 15:10 | 04/08/98 |
| Trip Blank | 3470.01 | Methanol | 09-Apr-98 | 04/09/98 |
| M-5 B-4 6-12" | 3470.03 | Soil | 09-Apr-98 09:15 | 04/09/98 |
| M-5 B-4 24" | 3470.04 | Soil | 09-Apr-98 09:20 | 04/09/98 |
| M-5 B-5 6-12" | 3470.07 | Soil | 09-Apr-98 13:20 | 04/09/98 |
| M-5 B-5 24" | 3470.08 | Soil | 09-Apr-98 13:25 | 04/09/98 |
| M-5 B-6 6-12" | 3470.11 | Soil | 09-Apr-98 14:10 | 04/09/98 |
| M-5 B-6 24" | 3470.12 | Soil | 09-Apr-98 14:15 | 04/09/98 |
| M-5 B-7 6-12" | 3470.15 | Soil | 09-Apr-98 15:25 | 04/09/98 |
| M-5 B-7 24" | 3470.16 | Soil | 09-Apr-98 15:30 | 04/09/98 |
| Trip Blank | 3472.01 | Methanol | 10-Apr-98 | 04/10/98 |
| M-5 B-8 6-12" | 3472.03 | Soil | 10-Apr-98 10:00 | 04/10/98 |
| M-5 B-8 24" | 3472.04 | Soil | 10-Apr-98 10:05 | 04/10/98 |
| M-5 B-9 6-12" | 3472.07 | Soil | 10-Apr-98 11:30 | 04/10/98 |
| M-5 B-9 24" | 3472.08 | Soil | 10-Apr-98 11:40 | 04/10/98 |
| M-5 B-10 6-12" | 3472.11 | Soil | 10-Apr-98 13:23 | 04/10/98 |
| M-5 B-10 24" | 3472.12 | Soil | 10-Apr-98 13:30 | 04/10/98 |
| Trip Blank | 3473.01 | Methanol | 11-Apr-98 | 04/11/98 |
| M-5 B-11 6-12" | 3473.03 | Soil | 11-Apr-98 09:28 | 04/11/98 |
| M-5 B-11 24" | 3473.04 | Soil | 11-Apr-98 09:34 | 04/11/98 |
| M-5 B-12 6-12" | 3473.07 | Soil | 11-Apr-98 10:35 | 04/11/98 |
| M-5 B-12 24" | 3473.08 | Soil | 11-Apr-98 10:46 | 04/11/98 |
| M-5 B-13 6-12" | 3473.11 | Soil | 11-Apr-98 11:23 | 04/11/98 |
| M-5 B-13 24" | 3473.12 | Soil | 11-Apr-98 11:35 | 04/11/98 |

| | | | | |
|---|---|---|---|---|
| M-5 B-14 6-12" | 3473.15 | Soil | 11-Apr-98 12:41 | 04/11/98 |
| M-5 B-14 24" | 3473.16 | Soil | 11-Apr-98 12:45 | 04/11/98 |
| M-5 B-15 6-12" | 3473.19 | Soil | 11-Apr-98 13:38 | 04/11/98 |
| M-5 B-15 24" | 3473.20 | Soil | 11-Apr-98 13:42 | 04/11/98 |
| Trip Blank | 3477.01 | Methanol | 13-Apr-98 | 04/13/98 |
| M-5 B-16 6-12" | 3477.03 | Soil | 13-Apr-98 10:35 | 04/13/98 |
| M-5 B-16 24" | 3477.04 | Soil | 13-Apr-98 10:40 | 04/13/98 |
| M-5 B-17 6-12" | 3477.07 | Soil | 13-Apr-98 11:20 | 04/13/98 |
| M-5 B-17 24" | 3477.08 | Soil | 13-Apr-98 11:28 | 04/13/98 |
| M-5 B-18 6-12" | 3477.11 | Soil | 13-Apr-98 13:34 | 04/13/98 |
| M-5 B-18 24" | 3477.12 | Soil | 13-Apr-98 13:38 | 04/13/98 |
| M-5 B-19 6-12" | 3477.15 | Soil | 13-Apr-98 14:40 | 04/13/98 |
| M-5 B-19 24" | 3477.16 | Soil | 13-Apr-98 14:46 | 04/13/98 |
| Trip Blank | 3479.01 | Methanol | 14-Apr-98 | 04/14/98 |
| M-5 B-20 6-12" | 3479.03 | Soil | 14-Apr-98 09:35 | 04/14/98 |
| M-5 B-20 24" | 3479.04 | Soil | 14-Apr-98 09:56 | 04/14/98 |
| M-5 B-21 6-12" | 3479.07 | Soil | 14-Apr-98 11:10 | 04/14/98 |
| M-5 B-21 24" | 3479.08 | Soil | 14-Apr-98 11:20 | 04/14/98 |
| M-5 B-22 6-12" | 3479.11 | Soil | 14-Apr-98 13:09 | 04/14/98 |
| M-5 B-22 24" | 3479.12 | Soil | 14-Apr-98 13:18 | 04/14/98 |
| M-5 Field Dup. 6-12" | 3479.15 | Soil | 14-Apr-98 | 04/14/98 |
| M-5 Field Dup. 24" | 3479.16 | Soil | 14-Apr-98 | 04/14/98 |
| Trip Blank | 3485.01 | Methanol | 15-Apr-98 | 04/15/98 |
| M-5 B-23 6-12" | 3485.03 | Soil | 15-Apr-98 10:35 | 04/15/98 |
| M-5 B-23 24" | 3485.04 | Soil | 15-Apr-98 10:42 | 04/15/98 |
| M-5 B-24 6-12" | 3485.07 | Soil | 15-Apr-98 11:28 | 04/15/98 |
| M-5 B-24 24" | 3485.08 | Soil | 15-Apr-98 11:43 | 04/15/98 |
| M-5 B-25 6-12" | 3485.11 | Soil | 15-Apr-98 13:20 | 04/15/98 |
| M-5 B-25 24" | 3485.12 | Soil | 15-Apr-98 13:32 | 04/15/98 |
| M-5 B-26 6-12" | 3485.15 | Soil | 15-Apr-98 14:30 | 04/15/98 |
| M-5 B-26 24" | 3485.16 | Soil | 15-Apr-98 14:38 | 04/15/98 |
| Trip Blank | 3498.01 | Methanol | 20-Apr-98 | 04/20/98 |
| M-5 B-27 6-12" | 3498.03 | Soil | 20-Apr-98 12:15 | 04/20/98 |
| M-5 B-27 24" | 3498.04 | Soil | 20-Apr-98 12:25 | 04/20/98 |
| M-5 B-28 6-12" | 3498.07 | Soil | 20-Apr-98 13:40 | 04/20/98 |
| M-5 B-28 24" | 3498.08 | Soil | 20-Apr-98 13:55 | 04/20/98 |
| M-5 B-29 6-12" | 3498.11 | Soil | 20-Apr-98 14:26 | 04/20/98 |
| M-5 B-29 24" | 3498.12 | Soil | 20-Apr-98 14:35 | 04/20/98 |
| M-5 B-30 6-12" | 3498.15 | Soil | 20-Apr-98 15:28 | 04/20/98 |
| M-5 B-30 24" | 3498.16 | Soil | 20-Apr-98 15:38 | 04/20/98 |
| Trip Blank | 3500.01 | Methanol | 21-Apr-98 | 04/21/98 |
| M-5 B-31 6-12" | 3500.02 | Soil | 21-Apr-98 09:40 | 04/21/98 |
| M-5 B-32 24" | 3500.03 | Soil | 21-Apr-98 09:50 | 04/21/98 |
| M-5 B-32 6-12" | 3500.06 | Soil | 21-Apr-98 10:30 | 04/21/98 |
| M-5 B-32 24" | 3500.07 | Soil | 21-Apr-98 10:43 | 04/21/98 |
| M-5 B-33 6-12" | 3500.10 | Soil | 21-Apr-98 11:33 | 04/21/98 |
| M-5 B-33 24" | 3500.11 | Soil | 21-Apr-98 11:40 | 04/21/98 |
| M-5 B-34 6-12" | 3500.14 | Soil | 21-Apr-98 13:30 | 04/21/98 |
| M-5 B-34 24" | 3500.15 | Soil | 21-Apr-98 13:40 | 04/21/98 |
| M-5 B-35 6-12" | 3500.18 | Soil | 21-Apr-98 14:20 | 04/21/98 |
| M-5 B-35 24" | 3500.19 | Soil | 21-Apr-98 14:35 | 04/21/98 |
| Trip Blank | 3501.01 | Methanol | 22-Apr-98 | 04/22/98 |
| M-5 B-36 6-12" | 3501.02 | Soil | 22-Apr-98 09:32 | 04/22/98 |

| | | | | |
|---|---|---|---|---|
| M-5 B-36 24" | 3501.03 | Soil | 22-Apr-98 09:32 09:45 | 04/22/98 |
| M-5 B-37 6-12" | 3501.06 | Soil | 22-Apr-98 09:32 10:20 | 04/22/98 |
| M-5 B-37 24" | 3501.07 | Soil | 22-Apr-98 09:32 10:37 | 04/22/98 |
| M-5 B-38 6-12" | 3501.10 | Soil | 22-Apr-98 09:32 11:22 | 04/22/98 |
| M-5 B-38 24" | 3501.11 | Soil | 22-Apr-98 09:32 11:33 | 04/22/98 |
| M-5 B-39 6-12" | 3501.14 | Soil | 22-Apr-98 09:32 13:17 | 04/22/98 |
| M-5 B-39 24" | 3501.15 | Soil | 22-Apr-98 09:32 13:20 | 04/22/98 |
| M-5 B-40 6-12" | 3501.18 | Soil | 22-Apr-98 09:32 14:21 | 04/22/98 |
| M-5 B-40 24" | 3501.19 | Soil | 22-Apr-98 09:32 14:30 | 04/22/98 |
| Trip Blank | 3539.01 | Methanol | 01-May-98 | 05/01/98 |
| M-5 B-41 6-12" | 3539.02 | Soil | 01-May-98 11:25 | 05/01/98 |
| M-5 B-41 24" | 3539.03 | Soil | 01-May-98 11:30 | 05/01/98 |
| M-5 B-42 6-12" | 3539.06 | Soil | 01-May-98 13:35 | 05/01/98 |
| M-5 B-42 24" | 3539.07 | Soil | 01-May-98 13:46 | 05/01/98 |
| Trip Blank | 3543.01 | Methanol | 01-May-98 | 05/01/98 |
| M-5 B-43 6-12" | 3543.02 | Soil | 01-May-98 10:40 | 05/01/98 |
| M-5 B-43 24" | 3543.03 | Soil | 01-May-98 10:45 | 05/01/98 |
| M-5 B-44 6-12" | 3543.06 | Soil | 01-May-98 13:20 | 05/01/98 |
| M-5 B-44 24" | 3543.07 | Soil | 01-May-98 13:25 | 05/01/98 |
| M-5 B-45 6-12" | 3543.10 | Soil | 01-May-98 14:08 | 05/01/98 |
| M-5 B-45 24" | 3543.11 | Soil | 01-May-98 14:13 | 05/01/98 |
| M-5 B-46 6-12" | 3543.14 | Soil | 01-May-98 15:20 | 05/01/98 |
| M-5 B-46 24" | 3543.15 | Soil | 01-May-98 15:30 | 05/01/98 |
| Field Dup. 6-12" | 3543.18 | Soil | 01-May-98 | 05/01/98 |
| Field Dup. 24" | 3543.19 | Soil | 01-May-98 | 05/01/98 |
| Trip Blank | 3547.01 | Methanol | 05-May-98 | 05/05/98 |
| M-5 B-47 6-12" | 3547.02 | Soil | 05-May-98 10:10 | 05/05/98 |
| M-5 B-47 24" | 3547.03 | Soil | 05-May-98 10:13 | 05/05/98 |
| M-5 B-48 6-12" | 3547.06 | Soil | 05-May-98 10:45 | 05/05/98 |
| M-5 B-48 24" | 3547.07 | Soil | 05-May-98 10:50 | 05/05/98 |
| M-5 B-49 6-12" | 3547.10 | Soil | 05-May-98 11:45 | 05/05/98 |
| M-5 B-49 24" | 3547.11 | Soil | 05-May-98 11:50 | 05/05/98 |
| M-5 B-50 6-12" | 3547.14 | Soil | 05-May-98 13:45 | 05/05/98 |
| M-5 B-50 24" | 3547.15 | Soil | 05-May-98 13:50 | 05/05/98 |
| M-5 B-51 6-12" | 3547.18 | Soil | 05-May-98 14:20 | 05/05/98 |
| M-5 B-51 24" | 3547.19 | Soil | 05-May-98 14:30 | 05/05/98 |
| Trip Blank | 3550.01 | Methanol | 06-May-98 | 05/06/98 |
| M-5 B-52 6-12" | 3550.03 | Soil | 06-May-98 10:20 | 05/06/98 |
| M-5 B-52 24" | 3550.04 | Soil | 06-May-98 10:30 | 05/06/98 |
| M-5 B-53 6-12" | 3550.07 | Soil | 06-May-98 11:20 | 05/06/98 |
| M-5 B-53 24" | 3550.08 | Soil | 06-May-98 11:35 | 05/06/98 |
| M-5 B-54 6-12" | 3550.11 | Soil | 06-May-98 13:20 | 05/06/98 |
| M-5 B-54 24" | 3550.12 | Soil | 06-May-98 13:25 | 05/06/98 |
| M-5 B-55 6-12" | 3550.15 | Soil | 06-May-98 15:15 | 05/06/98 |
| M-5 B-55 24" | 3550.16 | Soil | 06-May-98 15:25 | 05/06/98 |
| Trip Blank | 3561.01 | Methanol | 11-May-98 | 05/11/98 |
| M-5 B-56 6-12" | 3561.02 | Soil | 11-May-98 09:45 | 05/11/98 |
| M-5 B-56 24" | 3561.03 | Soil | 11-May-98 09:50 | 05/11/98 |
| M-5 B-57 6-12" | 3561.06 | Soil | 11-May-98 10:40 | 05/11/98 |
| M-5 B-57 24" | 3561.07 | Soil | 11-May-98 10:50 | 05/11/98 |
| M-5 B-58 6-12" | 3561.10 | Soil | 11-May-98 13:10 | 05/11/98 |
| M-5 B-58 24" | 3561.11 | Soil | 11-May-98 13:15 | 05/11/98 |
| M-5 B-59 6-12" | 3561.14 | Soil | 11-May-98 14:10 | 05/11/98 |

| | | | | |
|---|---|---|---|---|
| M-5 B-59 24" | 3561.15 | Soil | 11-May-98 14:20 | 05/11/98 |
| Trip Blank | 3567.01 | Methanol | 14-May-98 | 05/14/98 |
| M-5 B-60 6-12" | 3567.02 | Soil | 14-May-98 09:30 | 05/14/98 |
| M-5 B-60 24" | 3567.03 | Soil | 14-May-98 09:43 | 05/14/98 |
| M-5 B-61 6-12" | 3567.06 | Soil | 14-May-98 10:38 | 05/14/98 |
| M-5 B-61 24" | 3567.07 | Soil | 14-May-98 10:45 | 05/14/98 |
| M-5 B-62 6-12" | 3567.10 | Soil | 14-May-98 11:35 | 05/14/98 |
| M-5 B-62 24" | 3567.11 | Soil | 14-May-98 11:40 | 05/14/98 |
| M-5 B-63 6-12" | 3567.14 | Soil | 14-May-98 13:30 | 05/14/98 |
| M-5 B-63 20" | 3567.15 | Soil | 14-May-98 14:05 | 05/14/98 |
| M-5 B-63 24" | 3567.16 | Soil | 14-May-98 14:10 | 05/14/98 |
| M-5 B-64 6-12" | 3567.19 | Soil | 14-May-98 15:05 | 05/14/98 |
| M-5 B-64 24" | 3567.20 | Soil | 14-May-98 15:10 | 05/14/98 |
| Field Dup. 6-12" | 3567.23 | Soil | 14-May-98 | 05/14/98 |
| Field Dup. 24" | 3567.24 | Soil | 14-May-98 | 05/14/98 |
| Trip Blank | 3571.01 | Methanol | 15-May-98 | 05/15/98 |
| M-5 B-65 6-12" | 3571.02 | Soil | 15-May-98 10:20 | 05/15/98 |
| M-5 B-65 24" | 3571.03 | Soil | 15-May-98 10:35 | 05/15/98 |
| M-5 B-66 6-12" | 3571.06 | Soil | 15-May-98 11:30 | 05/15/98 |
| M-5 B-66 24" | 3571.07 | Soil | 15-May-98 11:38 | 05/15/98 |
| M-5 B-67 6-12" | 3571.10 | Soil | 15-May-98 13:40 | 05/15/98 |
| M-5 B-67 24" | 3571.11 | Soil | 15-May-98 13:50 | 05/15/98 |
| M-5 B-68 6-12" | 3571.13 | Soil | 15-May-98 14:30 | 05/15/98 |
| M-5 B-68 24" | 3571.14 | Soil | 15-May-98 14:40 | 05/15/98 |
| M-5 B-69 6-12" | 3571.17 | Soil | 15-May-98 15:20 | 05/15/98 |
| M-5 B-69 24" | 3571.18 | Soil | 15-May-98 15:30 | 05/15/98 |
| Trip Blank | 3576.01 | Methanol | 18-May-98 | 05/18/98 |
| M-5 B-70 6-12" | 3576.02 | Soil | 18-May-98 10:25 | 05/18/98 |
| M-5 B-70 24" | 3576.03 | Soil | 18-May-98 10:35 | 05/18/98 |
| M-5 B-71 6-12" | 3576.06 | Soil | 18-May-98 11:20 | 05/18/98 |
| M-5 B-71 24" | 3576.07 | Soil | 18-May-98 11:35 | 05/18/98 |
| M-5 B-72 6-12" | 3576.10 | Soil | 18-May-98 13:40 | 05/18/98 |
| M-5 B-72 24" | 3576.11 | Soil | 18-May-98 13:55 | 05/18/98 |
| M-5 B-73 6-12" | 3576.14 | Soil | 18-May-98 15:10 | 05/18/98 |
| M-5 B-73 24" | 3576.15 | Soil | 18-May-98 15:18 | 05/18/98 |
| Trip Blank | 3580.01 | Methanol | 19-May-98 | 05/19/98 |
| M-5 B-74 6-12" | 3580.02 | Soil | 19-May-98 08:45 | 05/19/98 |
| M-5 B-74 24" | 3580.03 | Soil | 19-May-98 08:50 | 05/19/98 |
| M-5 B-75 6-12" | 3580.05 | Soil | 19-May-98 09:30 | 05/19/98 |
| M-5 B-75 24" | 3580.06 | Soil | 19-May-98 09:40 | 05/19/98 |
| M-5 B-76 6-12" | 3580.08 | Soil | 19-May-98 10:50 | 05/19/98 |
| M-5 B-76 24" | 3580.09 | Soil | 19-May-98 11:03 | 05/19/98 |
| M-5 B-77 6-12" | 3580.11 | Soil | 19-May-98 11:40 | 05/19/98 |
| M-5 B-77 24" | 3580.12 | Soil | 19-May-98 11:50 | 05/19/98 |
| M-5 B-78 6-12" | 3580.14 | Soil | 19-May-98 13:20 | 05/19/98 |
| M-5 B-78 24" | 3580.15 | Soil | 19-May-98 13:25 | 05/19/98 |
| M-5 B-79 6-12" | 3580.18 | Soil | 19-May-98 14:15 | 05/19/98 |
| M-5 B-79 24" | 3580.19 | Soil | 19-May-98 14:20 | 05/19/98 |
| M-5 B-80 6-12" | 3580.22 | Soil | 19-May-98 15:40 | 05/19/98 |
| M-5 B-80 24" | 3580.23 | Soil | 19-May-98 15:45 | 05/19/98 |
| M-5 B-81 6-12" | 3580.26 | Soil | 19-May-98 17:00 | 05/19/98 |
| M-5 B-81 24" | 3580.27 | Soil | 19-May-98 17:05 | 05/19/98 |
| M-5 B-82 6-12" | 3580.30 | Soil | 19-May-98 17:25 | 05/19/98 |

| | | | | |
|---|---|---|---|---|
| M-5 B-82 24" | 3580.31 | Soil | 19-May-98 17:35 | 05/19/98 |
| M-5 B-83 6-12" | 3580.34 | Soil | 19-May-98 18:30 | 05/19/98 |
| M-5 B-83 24" | 3580.35 | Soil | 19-May-98 18:45 | 05/19/98 |
| Field Dup. 6-12" | 3580.38 | Soil | 19-May-98 | 05/19/98 |
| Field Dup. 24" | 3580.39 | Soil | 19-May-98 | 05/19/98 |
| Trip Blank | 3584.01 | Methanol | 20-May-98 | 05/21/98 |
| M-5 B-84 6-12" | 3584.02 | Soil | 20-May-98 09:10 | 05/21/98 |
| M-5 B-84 24" | 3584.03 | Soil | 20-May-98 09:15 | 05/21/98 |
| M-5 B-85 6-12" | 3584.06 | Soil | 20-May-98 10:15 | 05/21/98 |
| M-5 B-85 24" | 3584.07 | Soil | 20-May-98 10:25 | 05/21/98 |
| M-5 B-86 6-12" | 3584.10 | Soil | 20-May-98 11:35 | 05/21/98 |
| M-5 B-86 24" | 3584.11 | Soil | 20-May-98 11:45 | 05/21/98 |
| M-5 B-87 6-12" | 3584.14 | Soil | 20-May-98 13:10 | 05/21/98 |
| M-5 B-87 24" | 3584.15 | Soil | 20-May-98 13:15 | 05/21/98 |
| M-5 B-88 6-12" | 3584.18 | Soil | 20-May-98 14:20 | 05/21/98 |
| M-5 B-88 24" | 3584.19 | Soil | 20-May-98 14:30 | 05/21/98 |
| M-5 B-89 6-12" | 3584.22 | Soil | 20-May-98 15:25 | 05/21/98 |
| M-5 B-89 24" | 3584.23 | Soil | 20-May-98 15:30 | 05/21/98 |
| M-5 B-90 6-12" | 3584.26 | Soil | 20-May-98 16:12 | 05/21/98 |
| M-5 B-90 24" | 3584.27 | Soil | 20-May-98 16:18 | 05/21/98 |
| M-5 B-91 6-12" | 3584.30 | Soil | 20-May-98 17:00 | 05/21/98 |
| M-5 B-91 24" | 3584.31 | Soil | 20-May-98 17:05 | 05/21/98 |
| M-5 B-92 6-12" | 3584.34 | Soil | 20-May-98 17:30 | 05/21/98 |
| M-5 B-92 24" | 3584.35 | Soil | 20-May-98 17:40 | 05/21/98 |
| Trip Blank | 3588.01 | Methanol | 21-May-98 | 05/22/98 |
| M-5 B-93 6-12" | 3588.02 | Soil | 21-May-98 11:10 | 05/22/98 |
| M-5 B-93 24" | 3588.03 | Soil | 21-May-98 11:15 | 05/22/98 |
| M-5 B-94 6-12" | 3588.06 | Soil | 21-May-98 13:10 | 05/22/98 |
| M-5 B-94 24" | 3588.07 | Soil | 21-May-98 13:15 | 05/22/98 |
| M-5 B-95 6-12" | 3588.10 | Soil | 21-May-98 14:20 | 05/22/98 |
| M-5 B-95 24" | 3588.11 | Soil | 21-May-98 14:25 | 05/22/98 |
| M-5 B-96 6-12" | 3588.14 | Soil | 21-May-98 15:10 | 05/22/98 |
| M-5 B-96 24" | 3588.15 | Soil | 21-May-98 15:15 | 05/22/98 |
| M-5 B-97 6-12" | 3588.18 | Soil | 21-May-98 16:00 | 05/22/98 |
| M-5 B-97 24" | 3588.19 | Soil | 21-May-98 16:10 | 05/22/98 |
| M-5 B-98 6-12" | 3588.22 | Soil | 21-May-98 16:50 | 05/22/98 |
| M-5 B-98 24" | 3588.23 | Soil | 21-May-98 17:00 | 05/22/98 |
| Trip Blank | 3593.01 | Methanol | 26-May-98 | 05/26/98 |
| M-5 B-99 6-12" | 3593.02 | Soil | 26-May-98 09:20 | 05/26/98 |
| M-5 B-99 24" | 3593.03 | Soil | 26-May-98 09:30 | 05/26/98 |
| Trip Blank | 3665.01 | Methanol | 17-Jun-98 | 06/18/98 |
| M-5 B-158 6-12" | 3665.12 | Soil | 17-Jun-98 15:05 | 06/18/98 |
| M-5 B-158 24" | 3665.13 | Soil | 17-Jun-98 15:10 | 06/18/98 |
| M-5 B-159 6-12" | 3665.16 | Soil | 17-Jun-98 16:15 | 06/18/98 |
| M-5 B-159 24" | 3665.17 | Soil | 17-Jun-98 16:20 | 06/18/98 |
| M-5 B-160 6-12" | 3665.19 | Soil | 17-Jun-98 17:00 | 06/18/98 |
| M-5 B-160 24" | 3665.20 | Soil | 17-Jun-98 17:10 | 06/18/98 |
| M-5 B-161 6-12" | 3665.22 | Soil | 17-Jun-98 17:55 | 06/18/98 |
| M-5 B-161 24" | 3665.23 | Soil | 17-Jun-98 18:05 | 06/18/98 |
| Field Dup. 6-12" | 3665.25 | Soil | 17-Jun-98 | 06/18/98 |
| Field Dup. 24" | 3665.26 | Soil | 17-Jun-98 | 06/18/98 |
| Trip Blank | 3686.01 | Methanol | 26-Jun-98 | 06/26/98 |
| M-5 B-162 6-12" | 3686.04 | Soil | 26-Jun-98 11:40 | 06/26/98 |

| | | | | |
|---|---|---|---|---|
| M-5 B-162 17" | 3686.05 | Soil | 26-Jun-98 11:45 | 06/26/98 |
| M-5 B-163 6-12" | 3686.07 | Soil | 26-Jun-98 13:15 | 06/26/98 |
| M-5 B-163 19" | 3686.08 | Soil | 26-Jun-98 13:30 | 06/26/98 |
| M-5 B-164 6-12" | 3686.10 | Soil | 26-Jun-98 14:25 | 06/26/98 |
| M-5 B-164 24" | 3686.11 | Soil | 26-Jun-98 14:30 | 06/26/98 |
| Trip Blank | 3688.01 | Methanol | 29-Jun-98 | 06/29/98 |
| M-5 B-165 6-12" | 3688.02 | Soil | 29-Jun-98 10:35 | 06/29/98 |
| M-5 B-165 24" | 3688.03 | Soil | 29-Jun-98 10:45 | 06/29/98 |
| M-5 B-166 6-12" | 3688.06 | Soil | 29-Jun-98 11:27 | 06/29/98 |
| M-5 B-166 24" | 3688.07 | Soil | 29-Jun-98 11:35 | 06/29/98 |
| M-5 B-167 6-12" | 3688.09 | Soil | 29-Jun-98 13:10 | 06/29/98 |
| M-5 B-167 24" | 3688.10 | Soil | 29-Jun-98 13:15 | 06/29/98 |
| M-5 B-168 6-12" | 3688.12 | Soil | 29-Jun-98 13:35 | 06/29/98 |
| M-5 B-168 24" | 3688.13 | Soil | 29-Jun-98 13:45 | 06/29/98 |
| M-5 B-169 6-12" | 3688.15 | Soil | 29-Jun-98 14:40 | 06/29/98 |
| M-5 B-169 24" | 3688.16 | Soil | 29-Jun-98 14:50 | 06/29/98 |
| Trip Blank | 3722.01 | Methanol | 13-Jul-98 | 07/13/98 |
| M-5 B-178 6-12" | 3722.12 | Soil | 13-Jul-98 13:45 | 07/13/98 |
| M-5 B-178 24" | 3722.13 | Soil | 13-Jul-98 13:50 | 07/13/98 |
| M-5 B-179 6-12" | 3722.15 | Soil | 13-Jul-98 14:15 | 07/13/98 |
| M-5 B-179 24" | 3722.16 | Soil | 13-Jul-98 14:25 | 07/13/98 |
| M-5 B-180 6-12" | 3722.18 | Soil | 13-Jul-98 15:10 | 07/13/98 |
| M-5 B-180 24" | 3722.19 | Soil | 13-Jul-98 15:15 | 07/13/98 |
| M-5 B-181 6-12" | 3722.21 | Soil | 13-Jul-98 15:40 | 07/13/98 |
| M-5 B-181 24" | 3722.22 | Soil | 13-Jul-98 15:45 | 07/13/98 |
| Field Dup. 6-12" | 3722.24 | Soil | 13-Jul-98 | 07/13/98 |
| Field Dup. 24" | 3722.25 | Soil | 13-Jul-98 | 07/13/98 |
| Trip Blank | 3805.01 | Methanol | 12-Aug-98 | 08/12/98 |
| M-5 B-197 6-12" | 3805.02 | Soil | 12-Aug-98 09:35 | 08/12/98 |
| M-5 B-197 24" | 3805.03 | Soil | 12-Aug-98 09:40 | 08/12/98 |
| M-5 B-198 6-12" | 3805.04 | Soil | 12-Aug-98 09:57 | 08/12/98 |
| M-5 B-198 24" | 3805.05 | Soil | 12-Aug-98 09:55 | 08/12/98 |
| M-5 B-199 6-12" | 3805.06 | Soil | 12-Aug-98 10:12 | 08/12/98 |
| M-5 B-199 24" | 3805.07 | Soil | 12-Aug-98 10:15 | 08/12/98 |
| M-5 B-200 6-12" | 3805.08 | Soil | 12-Aug-98 10:35 | 08/12/98 |
| M-5 B-200 24" | 3805.09 | Soil | 12-Aug-98 10:40 | 08/12/98 |
| M-5 B-201 6-12" | 3805.10 | Soil | 12-Aug-98 11:05 | 08/12/98 |
| M-5 B- 201 24" | 3805.11 | Soil | 12-Aug-98 11:10 | 08/12/98 |
| M-5 B-202 6-12" | 3805.12 | Soil | 12-Aug-98 11:32 | 08/12/98 |
| M-5 B-202 24" | 3805.13 | Soil | 12-Aug-98 11:37 | 08/12/98 |
| M-5 B-203 6-12" | 3805.14 | Soil | 12-Aug-98 12:59 | 08/12/98 |
| M-5 B-203 24" | 3805.15 | Soil | 12-Aug-98 13:02 | 08/12/98 |
| M-5 B-204 6-12" | 3805.16 | Soil | 12-Aug-98 13:17 | 08/12/98 |
| M-5 B-204 24" | 3805.17 | Soil | 12-Aug-98 13:20 | 08/12/98 |
| M-5 B-205 6-12" | 3805.18 | Soil | 12-Aug-98 13:34 | 08/12/98 |
| M-5 B-205 24" | 3805.19 | Soil | 12-Aug-98 13:38 | 08/12/98 |
| M-5 B-206 6-12" | 3805.20 | Soil | 12-Aug-98 13:50 | 08/12/98 |
| M-5 B- 206 24" | 3805.21 | Soil | 12-Aug-98 13:55 | 08/12/98 |
| M-5 B-207 6-12" | 3805.22 | Soil | 12-Aug-98 14:29 | 08/12/98 |
| M-5 B-207 24" | 3805.23 | Soil | 12-Aug-98 14:14 | 08/12/98 |
| M-5 B-208 6-12" | 3805.24 | Soil | 12-Aug-98 14:29 | 08/12/98 |
| M-5 B-208 24" | 3805.25 | Soil | 12-Aug-98 14:37 | 08/12/98 |
| M-5 B-209 6-12" | 3805.26 | Soil | 12-Aug-98 14:53 | 08/12/98 |

| | | | | |
|---|---|---|---|---|
| M-5 B-209 24" | 3805.27 | Soil | 12-Aug-98 15:05 | 08/12/98 |
| M-5 B-210 6-12" | 3805.28 | Soil | 12-Aug-98 15:14 | 08/12/98 |
| M-5 B-210 24" | 3805.29 | Soil | 12-Aug-98 15:20 | 08/12/98 |
| M-5 B-211 6-12" | 3805.30 | Soil | 12-Aug-98 15:30 | 08/12/98 |
| M-5 B-211 24" | 3805.31 | Soil | 12-Aug-98 15:40 | 08/12/98 |
| Field Dup. 6-12" | 3805.32 | Soil | 12-Aug-98 | 08/12/98 |
| Field Dup. 24" | 3805.33 | Soil | 12-Aug-98 | 08/12/98 |
| Trip Blank | 3809.01 | Methanol | 13-Aug-98 | 08/13/98 |
| M-5 B-212 6-12" | 3809.02 | Soil | 13-Aug-98 10:44 | 08/13/98 |
| M-5 B-212 24" | 3809.03 | Soil | 13-Aug-98 10:48 | 08/13/98 |
| M-5 B-213 6-12" | 3809.04 | Soil | 13-Aug-98 11:08 | 08/13/98 |
| M-5 B-213 24" | 3809.05 | Soil | 13-Aug-98 11:13 | 08/13/98 |
| M-5 B-214 6-12" | 3809.06 | Soil | 13-Aug-98 11:25 | 08/13/98 |
| M-5 B-214 24" | 3809.07 | Soil | 13-Aug-98 11:28 | 08/13/98 |
| M-5 B-215 6-12" | 3809.08 | Soil | 13-Aug-98 11:50 | 08/13/98 |
| M-5 B-215 24" | 3809.09 | Soil | 13-Aug-98 11:55 | 08/13/98 |
| M-5 B-216 6-12" | 3809.10 | Soil | 13-Aug-98 13:06 | 08/13/98 |
| M-5 B- 216 24" | 3809.11 | Soil | 13-Aug-98 13:10 | 08/13/98 |
| M-5 B-217 6-12" | 3809.12 | Soil | 13-Aug-98 13:20 | 08/13/98 |
| M-5 B-217 24" | 3809.13 | Soil | 13-Aug-98 13:25 | 08/13/98 |
| M-5 B-218 6-12" | 3809.14 | Soil | 13-Aug-98 13:45 | 08/13/98 |
| M-5 B-218 24" | 3809.15 | Soil | 13-Aug-98 13:50 | 08/13/98 |
| M-5 B-219 6-12" | 3809.16 | Soil | 13-Aug-98 14:06 | 08/13/98 |
| M-5 B-219 24" | 3809.17 | Soil | 13-Aug-98 14:10 | 08/13/98 |
| M-5 B-220 6-12" | 3809.18 | Soil | 13-Aug-98 14:30 | 08/13/98 |
| M-5 B-220 24" | 3809.19 | Soil | 13-Aug-98 14:40 | 08/13/98 |
| M-5 B-221 6-12" | 3809.20 | Soil | 13-Aug-98 15:20 | 08/13/98 |
| M-5 B-221 24" | 3809.21 | Soil | 13-Aug-98 15:25 | 08/13/98 |
| M-5 B-222 6-12" | 3809.22 | Soil | 13-Aug-98 15:35 | 08/13/98 |
| M-5 B-222 24" | 3809.23 | Soil | 13-Aug-98 15:45 | 08/13/98 |
| Field Dup. 6-12" | 3809.24 | Soil | 13-Aug-98 | 08/13/98 |
| Field Dup. 24" | 3809.25 | Soil | 13-Aug-98 | 08/13/98 |
| Trip Blank | 3812.01 | Methanol | 14-Aug-98 | 08/14/98 |
| M-5 B-223 6-12" | 3812.02 | Soil | 14-Aug-98 10:07 | 08/14/98 |
| M-5 B-223 24" | 3812.03 | Soil | 14-Aug-98 10:10 | 08/14/98 |
| M-5 B-224 6-12" | 3812.04 | Soil | 14-Aug-98 10:22 | 08/14/98 |
| M-5 B-224 24" | 3812.05 | Soil | 14-Aug-98 10:26 | 08/14/98 |
| M-5 B-225 6-12" | 3812.06 | Soil | 14-Aug-98 10:46 | 08/14/98 |
| M-5 B-225 24" | 3812.07 | Soil | 14-Aug-98 10:50 | 08/14/98 |
| M-5 B-226 6-12" | 3812.08 | Soil | 14-Aug-98 11:08 | 08/14/98 |
| M-5 B-226 24" | 3812.09 | Soil | 14-Aug-98 11:10 | 08/14/98 |
| M-5 B-227 6-12" | 3812.10 | Soil | 14-Aug-98 11:18 | 08/14/98 |
| M-5 B-227 24" | 3812.11 | Soil | 14-Aug-98 11:22 | 08/14/98 |
| M-5 B-228 6-12" | 3812.12 | Soil | 14-Aug-98 11:45 | 08/14/98 |
| M-5 B-228 24" | 3812.13 | Soil | 14-Aug-98 11:50 | 08/14/98 |
| M-5 B-229 6-12" | 3812.14 | Soil | 14-Aug-98 13:15 | 08/14/98 |
| M-5 B-229 24" | 3812.15 | Soil | 14-Aug-98 13:20 | 08/14/98 |
| M-5 B-230 6-12" | 3812.16 | Soil | 14-Aug-98 13:40 | 08/14/98 |
| M-5 B-230 24" | 3812.17 | Soil | 14-Aug-98 13:45 | 08/14/98 |
| M-5 B-231 6-12" | 3812.18 | Soil | 14-Aug-98 14:19 | 08/14/98 |
| M-5 B-231 24" | 3812.19 | Soil | 14-Aug-98 14:24 | 08/14/98 |
| Trip Blank | 3827.01 | Methanol | 25-Aug-98 | 08/25/98 |
| M-5 B-232 6-12" | 3827.02 | Soil | 25-Aug-98 13:45 | 08/25/98 |

| | | | | |
|---|---|---|---|---|
| M-5 B-232 24" | 3827.03 | Soil | 25-Aug-98 13:53 | 08/25/98 |
| M-5 B-233 6-12" | 3827.04 | Soil | 25-Aug-98 14:15 | 08/25/98 |
| M-5 B-233 24" | 3827.05 | Soil | 25-Aug-98 14:20 | 08/25/98 |
| M-5 B-234 6-12" | 3827.06 | Soil | 25-Aug-98 14:35 | 08/25/98 |
| M-5 B-234 24" | 3827.07 | Soil | 25-Aug-98 14:40 | 08/25/98 |
| M-5 B-235 6-12" | 3827.08 | Soil | 25-Aug-98 15:09 | 08/25/98 |
| M-5 B-235 24" | 3827.09 | Soil | 25-Aug-98 15:13 | 08/25/98 |
| M-5 B-236 6-12" | 3827.10 | Soil | 25-Aug-98 15:20 | 08/25/98 |
| M-5 B-236 24" | 3827.11 | Soil | 25-Aug-98 15:30 | 08/25/98 |
| Trip Blank | 3836.01 | Methanol | 26-Aug-98 | 08/27/98 |
| M-5 B-237 6-12" | 3836.02 | Soil | 26-Aug-98 08:50 | 08/27/98 |
| M-5 B-237 24" | 3836.03 | Soil | 26-Aug-98 08:56 | 08/27/98 |
| M-5 B-238 6-12" | 3836.04 | Soil | 26-Aug-98 09:17 | 08/27/98 |
| M-5 B-238 24" | 3836.05 | Soil | 26-Aug-98 09:20 | 08/27/98 |
| M-5 B-239 6-12" | 3836.06 | Soil | 26-Aug-98 09:42 | 08/27/98 |
| M-5 B-239 24" | 3836.07 | Soil | 26-Aug-98 09:50 | 08/27/98 |
| M-5 B-240 6-12" | 3836.08 | Soil | 26-Aug-98 10:12 | 08/27/98 |
| M-5 B-240 24" | 3836.09 | Soil | 26-Aug-98 10:18 | 08/27/98 |
| M-5 B-241 6-12" | 3836.10 | Soil | 26-Aug-98 10:40 | 08/27/98 |
| M-5 B-241 24" | 3836.11 | Soil | 26-Aug-98 10:45 | 08/27/98 |
| M-5 B-242 6-12" | 3836.12 | Soil | 26-Aug-98 11:08 | 08/27/98 |
| M-5 B-242 24" | 3836.13 | Soil | 26-Aug-98 11:12 | 08/27/98 |
| M-5 B-243 6-12" | 3836.14 | Soil | 26-Aug-98 11:32 | 08/27/98 |
| M-5 B-243 24" | 3836.15 | Soil | 26-Aug-98 11:38 | 08/27/98 |
| M-5 B-244 6-12" | 3836.16 | Soil | 26-Aug-98 13:15 | 08/27/98 |
| M-5 B-244 24" | 3836.17 | Soil | 26-Aug-98 13:20 | 08/27/98 |
| M-5 B-245 6-12" | 3836.18 | Soil | 26-Aug-98 13:37 | 08/27/98 |
| M-5 B-245 24" | 3836.19 | Soil | 26-Aug-98 13:42 | 08/27/98 |
| M-5 B-246 6-12" | 3836.20 | Soil | 26-Aug-98 13:55 | 08/27/98 |
| M-5 B-246 24" | 3836.21 | Soil | 26-Aug-98 13:58 | 08/27/98 |
| M-5 B-247 6-12" | 3836.22 | Soil | 26-Aug-98 14:10 | 08/27/98 |
| M-5 B-247 24" | 3836.23 | Soil | 26-Aug-98 14:15 | 08/27/98 |
| M-5 B-248 6-12" | 3836.24 | Soil | 26-Aug-98 14:30 | 08/27/98 |
| M-5 B-248 24" | 3836.25 | Soil | 26-Aug-98 14:36 | 08/27/98 |
| M-5 B-249 6-12" | 3836.26 | Soil | 26-Aug-98 14:48 | 08/27/98 |
| M-5 B-249 24" | 3836.27 | Soil | 26-Aug-98 14:50 | 08/27/98 |
| M-5 B-250 6-12" | 3836.28 | Soil | 26-Aug-98 15:08 | 08/27/98 |
| M-5 B-250 24" | 3836.29 | Soil | 26-Aug-98 15:14 | 08/27/98 |
| M-5 B-251 6-12" | 3836.30 | Soil | 26-Aug-98 15:27 | 08/27/98 |
| M-5 B-251 24" | 3836.31 | Soil | 26-Aug-98 15:32 | 08/27/98 |
| M-5 B-252 6-12" | 3836.32 | Soil | 26-Aug-98 15:45 | 08/27/98 |
| M-5 B-252 24" | 3836.33 | Soil | 26-Aug-98 15:50 | 08/27/98 |
| M-5 B-253 6-12" | 3836.34 | Soil | 26-Aug-98 16:08 | 08/27/98 |
| M-5 B-253 24" | 3836.35 | Soil | 26-Aug-98 16:13 | 08/27/98 |
| M-5 B-254 6-12" | 3836.36 | Soil | 26-Aug-98 16:20 | 08/27/98 |
| M-5 B-254 24" | 3836.37 | Soil | 26-Aug-98 16:25 | 08/27/98 |
| Field Dup. 6-12" | 3836.38 | Soil | 26-Aug-98 | 08/27/98 |
| Field Dup. 24" | 3836.39 | Soil | 26-Aug-98 | 08/27/98 |

# FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY




**DIRECTORATE OF PUBLIC WORKS**
**PHONE: (732)532-6224 FAX: (732)532-6263**
**WET-CHEM - METALS - ORGANICS - FIELD SAMPLING**
**NJDEP LABORATORY CERTIFICATION # 13461**


ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

2-25-99

Daniel Wright/Date
Laboratory Director

# Table of Contents


| Section | Page No. |
|---|---|
| Volume I | |
| Sampling | 1 |
| Chain of Custody | 2-118 |
| GPS Maps | 119-128 |
| Landfill Cover | 128A-128C |
| Boring Logs | 129-302 |
| Field Duplicate Identification | 303-304 |
| Method Summary | 305-307 |
| Case Narrative | 308-309 |
| Laboratory Chronicle | 310-341 |
| Soil Clean-Up Criteria | 342-343 |
| Qualifier Codes | 344-345 |
| Analytical Results | 346 |
| Volatiles | 347 |
| Method Blanks | 348-456 |
| Trip Blanks | 457-549 |
| Field Duplicates | 550-577 |
| Samples | 578-695 |
| Volume II | |
| Samples (Cont.) | 696-1100 |
| Semi-Volatiles | 1101 |
| Method Blanks | 1102-1186 |
| Field Duplicates | 1187-1214 |
| Samples | 1215-1430 |
| Volume III | |
| Samples (Cont.) | 1431-1744 |
| Pest/PCB's | 1745 |
| Method Blanks | 1746-1779 |
| Field Duplicates | 1780-1789 |
| Samples | 1790-1963 |
| Metals | 1964 |
| Method blanks | 1965-1973 |
| Field Duplicates | 1974-1983 |
| Samples | 1984-2157 |

# CHAIN OF CUSTODY



# Fort Monmouth Environmental Testing Laboratory

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

## Chain of Custody Record

**Customer: Joseph Fallon SELFM-PW-EV** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-5 LANDFILL
**(X)DERA ( )OMA ( )Other:_____**

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

**Analysis Parameters**

**Comments:** CORE SAMPLES
*1 HNU-CAL. W/TRACE HNO3 @ SEE PPM
#2 OVA-CAL. W/METHANE @ 96 PPM
(H2O @ MW-11 @ 39") Mark for O.K.

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3465. (1) | TRIP BLANK | 4-8-98 | | | 2 | X | | | | V0 0159 | | HCL |
| (2) | FIELD BLANK | | | AQ | 2 | X | | | | | | HCL * |
| (3) | M-5-B-1-6-12" | | 1125 | SOIL | 2 | | X | X | X | | 0 | PPM |
| (4) | " - 24" | | 1130 | SOIL | 2 | X | | | X | V0 0160 | 0 | PPM |
| (5) | " - 36" | | 1130 | SOIL | 1 | X | | | | V0 0161 | 0 | PPM (H2O @ 39") |
| (6) | " - 4-7' | | 1148 | AQ | 2 | X | | | | | 0 | PPM (FID) - HCL |
| (7) | M-5-B-2 - 6-12" | | 1338 | SOIL | 2 | | X | X | X | | 0 | PPM |
| (8) | " - 24" | | 1338 | SOIL | 2 | X | | | X | V0 0162 | 0 | PPM |
| (9) | " - 36" | | 1343 | SOIL | 1 | X | | | | V0 0163 | 0 | PPM |
| (10) | " - 4-7' | | 1405 | AQ | 2 | X | | | | | 0 | PPM - HCL |
| (11) | M-5-B-3 - 6-12" | | 1510 | SOIL | 2 | | X | X | X | | 0 | PPM |
| (12) | " - 24" | | 1510 | SOIL | 2 | X | | | X | V0 0164 | 0 | PPM |
| (13) | " - 36" | | 1525 | SOIL | 1 | X | | | | V0 0165 | .01 | PPM |
| (14) | " - 4-7' | | 1525 | AQ | 2 | X | | | | | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 4-8-98 1540 | [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: * BLANK TAKEN FROM G.W. SAMPLER AFTER CLEANING w/ ALCONOX + D.I. WATER

0000003

print legibly



Custodydera3/2/98



# Fort Monmouth Environmental Testing Laboratory

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

## Chain of Custody Record

**Customer: Joseph Fallon SELFM-PW-EV** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-5- LANDFILL
(X)DERA ( )OMA ( )Other:_____

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

**Comments:** #2 OVA - CAL - 98 PPM >OK Meghan
#1 HNU - CAL - 58 PPM
BACKGROUND = 1 PPM

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA + 15 | Metals | PEST PCB'S | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3477 (1) | TRIP BLANK | 4-9-98 | | | 1 | X | | | | VO 0166 | | |
| (2) | FIELD BLANK | | 0847 | AQ | 2 | X | | | | | | |
| (3) | M-5- B-4-(6-12") | | 0915 | SOIL | 2 | | X | X | X | | 0 | PPM |
| (4) | " - 24" | | 0920 | " | 2 | X | | | X | V00167 | 3 | PPM |
| (5) | " -40" | | 0920 | " | 2 | X | | | X | V00168 | 4 | PPM |
| (6) | " - 4-7' | | 0927 | AQ | 2 | X | | | | | 1 | PPM (OVA) |
| (7) | M-5-B-5-(6-12") | | 1320 | SOIL | 2 | | X | X | X | | 3.0H | PPM |
| (8) | " (24") | | 1325 | " | 2 | X | | | X | V0169 | 5 | PPM |
| (9) | " (40") | | 1325 | " | 2 | X | | | X | V00170 | 7 | PPM |
| (10) | " (4-7') | | 1333 | AQ | 2 | X | X | X | X (NA) | | 2 | PPM (OVA) |
| (11) | M-5-B-6-(6-12") | | 1410 | SOIL | 2 | X (NA) | X | X | X | | 3 | PPM |
| (12) | " - (24") | | 1415 | " | 2 | X | | | X | V00171 | 3 | PPM |
| (13) | " (40") | | 1415 | " | 2 | X | | | X | V00172 | 5 | PPM |
| (14) | " (4-7') | | 1435 | AQ | 2 | X | | | | | 2 | PPM OVA |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 4-9-98 1605 | [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: H2O @ well # MW-11 @ 39"
COOL - RAINY - (FIELD BLANK TAKEN FROM G.W. SAMPLER)

print legibly



# 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-5- LANDFILL

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

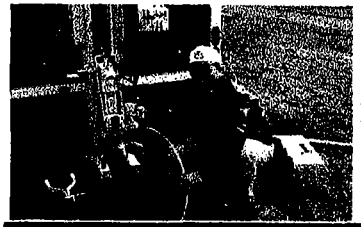
| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Metals | PEST PCB | %SOLID | VOA ID NUMBER | OVA | Comments: Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3470 (15) | M-5- B- 7- (6-12') | 4-9-98 | 1525 | soil | 2 | | X | X | X | | 2 | PPM |
| (16) | " - (24") | | 1530 | " | 2 | X | | | X | VO 0173 | 1 | PPM |
| (17) | " - (40") | | 1530 | " | 2 | X | | | X | VO 0174 | 1 | PPM |
| (18) | " - (4-7') | | 1545 | " | 2 | X | | | | | 2 | PPM |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | 4-9-98 1605 | | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

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

Remarks:

print legibly



# 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-5- 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 PAH | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3472. | (1) | TRIP BLANK | 4-10-98 | | | 1 | X | | | | VO 0175 | | |
| | (2) | FIELD BLANK | | 0930 | AQ | 2 | X | | | | | | |
| | (3) | M-5-B-8-(6-12") | | 1000 | SOIL | 2 | | X | X | X | | 2 | PPM |
| | (4) | " " -(24") | | 1005 | " | 2 | X | | | X | VO0176 | 4 | PPM |
| | (5) | " " -(36") | | 1005 | " | 2 | X | | | X | VO0177 | 10 | PPM |
| | (6) | " " -(4-7') | | 1045 | AQ | 2 | X | | | | | 2 | PPM-OVA |
| | (7) | M-5-B-9-(6-12") | | 1130 | SOIL | 2 | | X | X | X | | 3 | PPM |
| | (8) | " " -(24") | | 1140 | " | 2 | X | | | X | VO0179 | 3 | PPM |
| | (9) | " " -(36") | | 1140 | " | 2 | X | | | X | VO0180 | 4 | PPM |
| | (10) | " " -(4-7') | | 1155 | AQ | 2 | X | | | | | 1 | PPM-OVA |
| | (11) | M-5-B-10-(6-12") | | 1323 | SOIL | 2 | | X | X | X | | 0 | PPM |
| | (12) | " " -(24") | | 1330 | " | 2 | X | | | X | VO 0181 | 0 | PPM |
| | (13) | " " -(36") | | 1330 | " | 2 | X | | | X | VO 0182 | 0 | PPM |
| | (14) | " " -(4-7') | | 1341 | AQ | 3 | X | | | | | 0 | OVA |

**Comments:**
CAL. HNU @ 68 PPM
FIELD BLANK TAKEN FROM G.W SAMPLER

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | 4-10-98 1402 | | | | |
| 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.

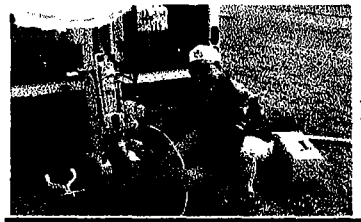
Remarks:

900006

print legibly



Custodydera.xls4/8/98



# 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** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-5-LANDFILL
**(X)DERA ( )OMA ( )Other:_____**
**Samplers Name / Company : MARK LAURA / TVS PWS-007**

**Comments:** VOA PRES- HCL; OTHERS – 4°C; HNU CAL- 58 PPM W/TRACE HYDRO.

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST BN | PCB | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3473. (1) | TRIP BLANK | 4-11-98 | | | 1 | X | | | | | VO 0183 | | |
| (2) | FIELD BLANK | | 0900 | AQ | 2 | X | | | | | | | |
| (3) | M-5-B-11 (6-12") | | 0928 | SOIL | 2 | | X | X | | X | | 0 | PPM |
| (4) | " (24") | | 0934 | " | 2 | X | | | | X | VO0184 | 0 | PPM |
| (5) | " (40") | | 0934 | " | 2 | X | | | | X | VO 0185 | 0 | PPM |
| (6) | " (4-7') | | 0937 | AQ | 2 | X | | | | | | 0 | PPM |
| (7) | M-5-B-12 (6-12') | | 1035 | SOIL | 2 | | X | X | | X | | 0 | PPM |
| (8) | " (24") | | 1046 | " | 2 | X | | | | X | VO 0186 | 1.04 | PPM |
| (9) | " (40") | | 1046 | " | 2 | X | | | | X | VO 0187 | 3 | PPM |
| (10) | " (4-7') | | 1055 | AQ | 2 | X | | | | | | 0 | PPM |
| (11) | M-5-B-13 (6-12') | | 1123 | SOIL | 2 | | X | X | | X | | | |
| (12) | " (24") | | 1135 | " | 2 | X | | | | X | VO0188 | | |
| (13) | " (40") | | 1135 | " | 2 | X | | | | X | VO 0189 | | |
| (14) | " (4-7') | | 1143 | AQ | 2 | X | | | | | | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 4/11/98 1441 | [signature] | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

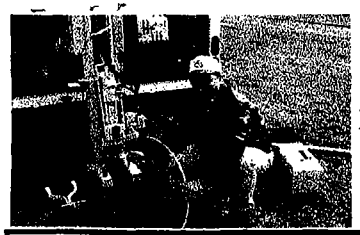
Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks: H2O @ 46" B.G.S.

print legibly



Custodydera.xls4/8/98



# 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-5- 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3473 (15) | M-5-B-14 (6-12") | 4-11-98 | 1241 | SOIL | 2 | | X | X | X | | 0 | PPM |
| (16) | " (24") | | 1245 | " | 2 | X | | | X | VO 0190 | 0 | PPM |
| (17) | " (40") | | 1245 | " | 2 | X | | | X | VO 0191 | 0 | PPM |
| (18) | " (4-7') | | 1247 | AQ | 2 | X | | | | | 0 | PPM |
| (19) | M-5-B-15 (6-12") | | 1338 | SOIL | 2 | | X | X | X | | 0 | PPM |
| (20) | " (24") | | 1342 | " | 2 | X | | | X | VO 0192 | 0 | PPM |
| (21) | " (40") | | 1342 | " | 2 | X | | | X | VO 0193 | 0 | PPM |
| (22) | " (4-7') | | 1345 | AQ | 2 | X | | | | | 0 | PPM |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 4/11/98 1441 | [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.

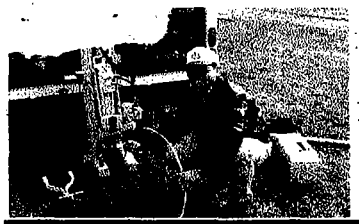
Remarks: see pg. 1

000008

print legibly



Custodydera.xls4/8/98



# 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-5 - LANDFILL

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Metals | PEST PCB | % SOLID | VOA ID NUMBER | OVA | Comments: Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3477 (1) | TRIP BLANK | 4-13-98 | | | 1 | X | | | | VO 0194 | ~~0~~ | ~~PPM~~ (ML) |
| (2) | FIELD BLANK | \| | | AQ | 2 | X | | | | | | |
| (3) | M-5-B-16 (6-12") | \| | 1035 | SOIL | 2 | | X | X | X | | 0 | PPM |
| (4) | " (24") | \| | 1040 | " | 2 | X | | | X | VO 0195 | 0 | PPM |
| (5) | " (40") | \| | 1040 | " | 2 | X | | | X | VO 0196 | 0 | PPM |
| (6) | " (4-7') | \| | 1046 | AQ | 2 | X | | | | | 0 | PPM |
| (7) | M-5-B-17 (6-12") | \| | 1120 | SOIL | 2 | | X | X | X | | 0 | PPM |
| (8) | " (24") | \| | 1128 | " | 2 | X | | | X | VO 0197 | 0 | PPM |
| (9) | " (40") | \| | 1128 | " | 2 | X | | | X | VO 0198 | 0 | PPM |
| (10) | " (4-7') | \| | 1143 | AQ | 2 | X | | | | | 0 | PPM |
| (11) | M-5-B-18 (6-12") | \| | 1334 | SOIL | | | X | X | X | | 0 | PPM |
| (12) | " (24") | \| | 1338 | " | | X | | | X | VO 0199 | 0 | PPM |
| (13) | " (40") | \| | 1338 | " | | X | | | X | VO 0200 | 0 | PPM |
| (14) | " (4-7') | ↓ | 1342 | AQ | | X | | | | | 0 | PPM |

**Comments:**
HNU + OVA CAL @ 0948 -
HNU @ 58 PPM > CAL (ML)
OVA @ 45 PPM
HNU BACKGROUND = 1 PPM
HNU NEW CAL GAS BOTTLE

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 4-13-98 1600 | D. Wright | | | |
| 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.

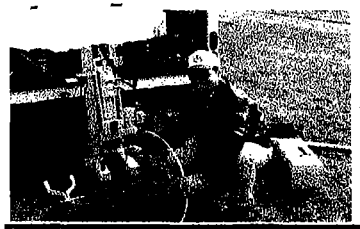
Remarks: VOA PRES W/ HCL
ALL OTHERS < 4°C (H2O @ 46-48")

60000

print legibly



Custodydera.xls4/8/98



# 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-5-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 | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3477 (15) | M-5-B-19 (6-12") | 4-13-98 | 1440 | soil | 2 | | X | X | X | | | see pg.# 1 |
| (16) | " - (24") | | 1446 | " | 2 | X | | | X | VO 0201 | | M20@38" OPPM |
| (17) | " - (32") | | 1446 | " | 2 | X | | | X | VO 0202 | | |
| (18) | " - 36' (~~4-5'~~ MW) | | 1500 | AQ | 2 | X | | | | | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 4-13-98 1600 | [signature] D. Wright | | | |
| 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.

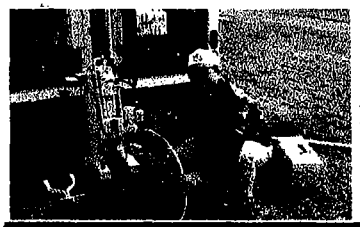
Remarks: see pg.# 1

000010

print legibly



Custodydera.xls4/8/98



# 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-5 Landfill

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

**Comments:**
Hnu CAL. @ 58 PPM
OVA CAL. @ 95 PPM 7ab Mayfield

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3479 (1) | TRIP BLANK | 4-14-98 | | | 1 | X | | | | VO 0203 | | |
| (2) | FIELD BLANK | | 0925 | AQ | 2 | X | | | | | | |
| (3) | M-5-B-20 - (6-12") | | 0935 | SOIL | 2 | | X | X | X | | 0 | PPM |
| (4) | " - (24") | | 0956 | " | 2 | X | | | X | VO0204 | 2 | PPM |
| (5) | " - (40") | | 0956 | " | 2 | X | | | X | VO0205 | 0 | PPM |
| (6) | " - (4-7') | | 1009 | AQ | 2 | X | | | | | 0 | OVA |
| (7) | M-5-B-21 - (6-12") | | 1110 | SOIL | 2 | | X | X | X | | 0 | PPM |
| (8) | " - (24") | | 1120 | " | 2 | X | | | X | VO0206 | 0 | PPM |
| (9) | " - (40") | | 1120 | " | 2 | X | | | X | VO0207 | 0 | PPM |
| (10) | " - (4-7') | | 1127 | AQ | 2 | X | | | | | 0 | PPM |
| (11) | M-5-B-22 - (6-12") | | 1309 | SOIL | 2 | | X | X | X | | 0 | PPM |
| (12) | " - (24") | | 1318 | " | 2 | X | | | X | VO0208 | 0 | PPM |
| (13) | " - (40") | | 1318 | " | 2 | X | | | X | VO0209 | 0 | PPM |
| (14) | " - (4-7') | | 1330 | AQ | 2 | X | | | | | 0 | PPM |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | | | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | 4-14-98 1400 | | | | |

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

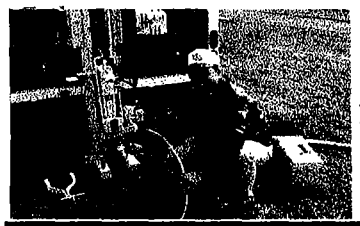
Remarks:

0001

print legibly



Custodydera.xls4/8/98



# 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-5- LANDFILL

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST PCB PAN | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3479 15 | M-5- FIELD DUP. (6-12') | 4-14-98 | | SOIL | 2 | ~~X~~ | X | X | X | | 0 | PPM |
| 16 | " (24") | ↓ | | " | 2 | X | | | X | VO 0215 | 0 | PPM |
| 17 | " (40") | | | " | 2 | X | | | X | VO 0216 | 0 | PPM |
| 18 | " (4-7') | ↓ | | AQ | 2 | X | | | | | 0 | PPM |

**Comments:** See Pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 4-14-98 1400 | [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:

000012

print legibly



Custodydera.xls4/8/98



# 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** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-5 LANDFILL
**(X)DERA ( )OMA ( )Other:**_____
**Samplers Name / Company : MARK LAURA / TVS PWS-007**

**Comments:** OVA #2 – CAL @ 95 PPM – METHANE; HNU #1 – CAL @ 58 PPM – TR. HC

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Metals | PESTBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3485 (1) | TRIP BLANK | 4-15-98 | | | 1 | | | | | VO 0210 | 0 | PPM |
| (2) | FIELD BLANK | | 1015 | AQ | 2 | X | | | | | " | " |
| (3) | M-5 B-23 - (6-12" | | 1035 | SOIL | 2 | | X | X | X | | " | " |
| (4) | " - (24" | | 1042 | " | 2 | X | | | X | V00213 211 | " | " |
| (5) | " - (39" | | 1042 | " | 2 | X | | | X | V00214 212 | " | " |
| (6) | " - (4-7' | | 1054 | AQ | 2 | X | | | | | " | " OVA |
| (7) | M-5 B-24 - (6-12" | | 1128 | SOIL | 2 | | X | X | X | | " | " |
| (8) | " - (24" | | 1143 | " | 2 | X | | | X | V00213 | " | " |
| (9) | " - (39" | | 1143 | " | 2 | X | | | X | V00214 | " | " |
| (10) | " - (4-7' | | 1156 | AQ | 2 | X | | | | | " | " OVA |
| (11) | M-5 B-25 - (6-12" | | 1320 | SOIL | 2 | | X | X | X | | 1 | PPM |
| (12) | " - (24" | | 1332 | " | 2 | X | | | X | V00221 | 3 | PPM |
| (13) | " - (46" | | 1332 | " | 2 | X | | | X | V00222 | 5 | PPM |
| (14) | " - (4-7' | | 1345 | AQ | 2 | X | | | | | 0 | PPM OVA |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 4-15-98 1525 | [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:

0000013

print legibly



Custodydera.xls4/8/98



# 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-5-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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3485.15 | M-5-B-26-(6-12" | 4-15-98 | 1430 | SOIL | 2 | | X | X | X | | 0 | PPM |
| 16 | " -(24" | | 1438 | " | 2 | X | | | X | V00223 | 0 | PPM |
| 17 | " -(40" | | 1438 | " | 2 | X | | | X | V00224 | 0 | PPM |
| 18 | " -(4-7' | | 1447 | AQ | 2 | X | | | | | 0 | PPM - OVA |

**Comments:** See Pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 4/15/98 1525 | J. Verdelli | | | |
| 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:

0000014

print legibly



Custodydera.xls4/8/98



# 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** | Project No. IIN 98-0211
**Phone #: (732) 532-6223** | Location: M-5-LANDFILL
**(X)DERA ( )OMA ( )Other:**

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

**Comments:**
Cal HNU #1 @ 58 PPM — TRACE HYDRO. OK
Cal OVA #2 @ 95 PPM — METHANE (ML)

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST PCB | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3498.01 | TRIP BLANK | 4-20-98 | | | 1 | X | | | | VO 0232 | | (VO 0232) |
| * 02 | FIELD BLANK | | 1140 | AQ | 2 | X | | | | | | |
| 03 | M-5-B-27-(6'12" | | 1215 | SOIL | 2 | | X | X | X | | 0 | PPM |
| 04 | " -(24" | | 1225 | " | 2 | X | | | X | V00233 | 0 | PPM |
| 05 | " -(40" | | 1225 | " | 2 | X | | | X | V00234 | 0 | PPM |
| 06 | " -(4-7' | | 1235 | AQ | 2 | X | | | | | 0 | PPM OVA |
| 07 | M-5-B-28 = (6-12" | | 1340 | SOIL | 2 | | X | X | X | | 0 | PPM |
| 08 | " - (24" | | 1355 | " | 2 | X | | | X | V00235 | 0 | PPM |
| 09 | " - (40" | | 1355 | " | 2 | X | | | X | V00236 | 0 | PPM |
| 10 | " -(4-7' | | 1414 | AQ | 2 | X | | | | | 0 | PPM OVA |
| 11 | M-5-B-29 - (6-12" | | 1426 | SOIL | 2 | | X | X | X | | 0 | PPM |
| 12 | " -(24" | | 1435 | " | 2 | X | | | X | V00237 | 0 | PPM |
| 13 | " -(40" | | 1435 | " | 2 | X | | | X | V00238 | 0 | PPM |
| 14 | " -(4-7' | | 1445 | AQ | 2 | X | | | | | 0 | PPM OVA |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 4-20-98 1610 | [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.

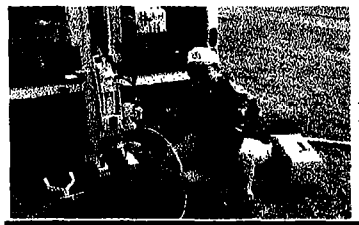
Remarks:
* FIELD BLANK TAKEN OFF 1" P.V.C. WELL SCREENS PREWRAPPED @ FACTORY (ML)

000015

print legibly



Custodydera.xls4/8/98



# 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-5-LANDFILL

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTBN | PAC BN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3498 15 | M-5-B-30 - (6-12' | 9-20-98 | 1528 | soil | 2 | | X | X | | X | | 0 | PPM |
| 16 | " - (24' | | 1538 | " | 2 | X | | | | X | V00239 | 0 | PPM |
| 17 | " - (40' | | 1538 | " | 2 | X | | | | X | V00240 | 0 | PPM |
| 18 | " - (4-7' | | 1544 | AQ | 2 | X | | | | | | 0 | -OVA-PPM |

**Comments:**

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 9-20-98 1600 | [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.

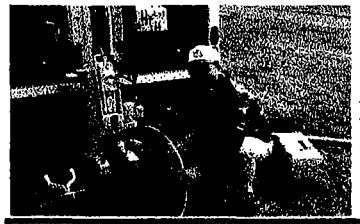
Remarks:

000016

print legibly



Custodydera.xls4/8/98



# 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** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-5- LANDFILL
**(X)DERA ( )OMA ( )Other:_____**
**Samplers Name / Company : MARK LAURA / TVS PWS-007**

**Comments:** Cal HNU #1 ONA #2 >10K (nic)

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35990 01 | TRIP BLANK | 4-21-98 | | | 1 | X | | | | VO0242 | | |
| 02 | M-5-B-31-(6-12" | | 0940 | soil | 2 | | X | X | X | | 0 | PPM |
| 03 | " -(24" | | 0950 | " | | X | | | X | VO0242 | " | " |
| 04 | " -(30" | | 0950 | " | | X | | | X | VO0243 | " | " H2O@36" |
| 05 | " -(4-7' | | 1000 | AQ | | X | | | | | " | "(OVA) |
| 06 | M-5-B-32-(6-12" | | 1030 | soil | | | X | X | X | | " | " |
| 07 | " -(24" | | 1043 | " | | X | | | X | VO0244 | " | " |
| 08 | " -(40" | | 1043 | " | | X | | | X | VO0245 | " | " |
| 09 | " -(4-7' | | 1055 | " | | X | | | | | .04 | PPM-OVA |
| 10 | M-5-B-33-(6-12" | | 1133 | soil | | | X | X | X | | 0 | PPM |
| 11 | " -(24" | | 1140 | " | | X | | | X | VO0246 | " | " |
| 12 | " -(40" | | 1140 | " | | X | | | X | VO0247 | " | " |
| 13 | " -(4-7' | | 1155 | AQ | | X | | | | | " | " |
| 14 | M-5-B-34-(6-12" | | 1330 | soil | | | X | X | X | | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 4-21-98 1550 | J. Verglia | | | |
| 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.

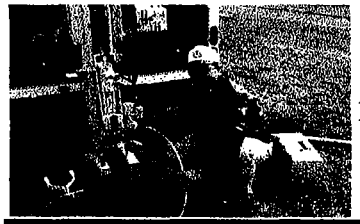
Remarks:

LT0000

print legibly



Custodydera.xls4/8/98



# 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-S-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 | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3500 15 | M-S-B-34 (24") | 4-21-98 | 1340 | soil | 2 | X | | | X | VO0248 | 0 | PPM |
| 16 | " (40" | | 1340 | " | | X | | | X | VO0249 | 0 | " |
| 17 | " (4-7' | | 1350 | AQ | | X | | | | | 0 | " |
| 18 | M-S-B-35 - (6-12" | | 1420 | soil | | | X | X | X | | | |
| 19 | " - (24" | | 1435 | " | | X | | | X | VO0250 | | |
| 20 | " - (40" | | 1435 | " | | X | | | X | VO0251 | | |
| 21 | " - (4-7' | | 1450 | AQ | | X | | | | | | |

**Comments:** see Pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | 4-21-98 1550 | | | | |
| 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

print legibly



Custodydera.xls4/8/98



# 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-S-LANDFILL

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTCB | PAHSBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35401 01 | TRIP BLANK | 4-22-98 | | | 1 | X | | | | | VO0252 | | |
| 02 | M-S-B-36-(6-12" | | 0932 | SOIL | 2 | | X | X | X | | | 0 | PPM |
| 03 | " -(24" | | 0945 | " | | X | | | | X | VO0253 | " | " |
| 04 | " -(40" | | 0945 | " | | X | | | | X | VO0254 | " | " |
| 05 | " -(4-7' | | 0956 | AQ | | X | | | | | | .04 | PPM |
| 06 | M-S-B 37 -(6-12" | | 1020 | SOIL | | | X | X | X | | | 0 | PPM |
| 07 | " - (24" | | 1037 | " | | X | | | | X | VO0255 | " | " |
| 08 | " - (40" | | 1037 | " | | X | | | | X | VO0256 | " | " |
| 09 | " - (4-7' | | 1048 | AQ | | X | | | | | | " | " |
| 10 | M-S-B-38 - (6-12" | | 1122 | SOIL | | | X | X | X | | | 0 | PPM |
| 11 | " - (24" | | 1133 | " | | X | | | | X | VO0257 | " | " |
| 12 | " - (40" | | DUP 1133 | " | | X | | | | X | VO0258 | " | " |
| 13 | " - (4-7' | | 1148 | AQ | | X | | | | | | 1 | PPM |
| 14 | M-S-B 39 - (6-12" | | 1317 | SOIL | | | X | X | X | | | 0 | PPM |

**Analysis Parameters**

**Comments:**
Col OVA @ 95 PPM - Methane

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | 4-22-98 1455 | | | | |
| 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.

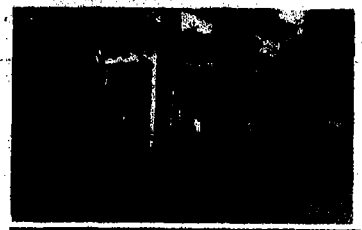
Remarks: H2O @ 40"

000019

print legibly



Custodydera.xls4/8/98



# 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 Long Term Monitoring**

Project No: IJN 98-0211
Location: M-5- LANDFILL CONT.

**Samplers Name / Company :** **TVS PWS-007**

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST BC | ABN+25 | %SOLID | | | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3501 15 | M-5-B-39 (cont.) (24" | 4-22-98 | 1320 | 2 | 2 | X | | | | X | VO 0259 | | 1.0 ppm | All samples kept <4 degrees C |
| 16 | " (30" | | 1320 | Soil | | X | | | | X | VO 0260 | | 3 ppm | VOA pres. W/ HCL B-29- |
| 17 | " - (4-7' | | 1338 | MS | | X | | | | | | | .04 ppm | Metals pres. W/ $HNO_3$ HAZCOM 40" |
| 18 | M-5-B 40 6-12" | | 1421 | Soil | | | X | X | X | X | | | C | PPM |
| 19 | " - 24" | | 1430 | " | | X | | | | X | VOO261 | | " | " |
| 20 | " - 40" | | 1430 | " | | X | | | | X | VOO262 | | " | " |
| 21 | " - 4-7' | | 1440 | MS | | X | | | | | | | " | " |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 4-22-98 1455 | [signature] | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| [signature] | | [signature] | | | |

Report Type: (X) DERA long term monitoring format
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____Hrs.

Remarks: see pg. 1

000020

print legibly



Custodyderaltm3/3/98



# 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 Long Term Monitoring**

Project No: IJN 98-0211
Location: M-5 – LANDFILL

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

**Comments:** HNU CAL. @ 58 PPM W/ TRACE HYDRO

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST PCB | ABN+25 | | | | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3539 (01) | TRIP BLANK | 5-1-98 | | | 1 | X | | | | V00294 | | | | All samples kept <4 degrees C |
| 02 | M-5-B-41-6-12" | | 1125 | soil | 2 | | X | X | X | | | | 0 PPM | VOA pres. W/ HCL |
| 03 | " - 24-30" | | 1130 | " | | X | | | X | V00295 | | | .02 PPM | ~~Metals pres. W/ HNO3~~ (N) |
| 04 | " - 36 | | 1140 | " | | X | | | X | V00296 | | | .02 PPM | |
| 05 | " - 4-7' | | 1150 | AQ | | X | | | | | | | .04 PPM | |
| 06 | M-5-B-42-6-12" | | 1335 | soil | | | X | X | X | | | | .04 | PPM |
| 07 | " - 24 | | 1346 | " | | X | | | X | V00297 | | | .02 | PPM |
| 08 | " - 36" | | 1350 | " | | X | | | X | V00298 | | | 0 | PPM |
| 09 | " - 4-7' | | 1355 | AQ | | X | | | | | | | 0 | PPM |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 5-1-98 1445 | [signature] | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | [signature] | | | |

Report Type: (X) DERA long term monitoring format
Turnaround time: (X)Standard 4 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks: 402 + 202 JAR LOT # 32798

000021



# 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 Long Term Monitoring**

Project No: IJN 98-0211
Location: M-5 LAND FILL

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA +15 | Metals TAL | PEST PCB | ABN +25 | % SOLIDS | VOA I.D. # | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3543. 01 | TRIP BLANK | 5-4-98 | | | 1 | X | | | | | V00299 | | All samples kept <4 degrees C |
| 02 | M-5-B-43 - 6-12" | | 1040 | SOIL | 2 | | X | X | X | | | 0 PPM | VOA pres. W/ HCL |
| 03 | " - 24" | | 1045 | " | | X | | | | X | V00300 | " | ~~Metals pres. W/ $HNO_3$~~ |
| 04 | " - 36" | | 1050 | " | | X | | | | X | V00301 | " | |
| 05 | " - 4-7' | | 1100 | AQ. | | X | | | | | | " | |
| 06 | M-5-B-44 - 6-12" | | 1320 | SOIL | | | X | X | X | | | " | |
| 07 | " - 24" | | 1325 | " | | X | | | | X | V00302 | " | |
| 08 | " - 36" | | 1325 | " | | X | | | | X | V00303 | " | |
| 09 | " - 4-7' | | 1445 | AQ. | | X | | | | | | " | |
| 10 | M-5-B-45 - 6-12" | | 1408 | SOIL | | | X | X | X | | | 0 | |
| 11 | " - 24" | | 1413 | " | | X | | | | X | V00304 | 8 | PPM (HNU) |
| 12 | " - 36" | | 1413 | " | | X | | | | X | V00305 | 0 | |
| 13 | " - 4-7' | | 1534 | AQ. | | X | | | | | | 0 | |
| 14 | M-5-B-46 - 6-12" | ↓ | 1520 | SOIL | ↓ | | X | X | X | | | | |

**Comments:**
HNU = Cal. @ 58 PPM
OVA - Cal @ 95 PPM
INSTR. O.K. - (MW)

Remarks / Preservation Method

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 5-4-98 1615 | [signature] | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | [signature] | | | |

Report Type: (X) DERA long term monitoring format
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks: M-5-B-44 - SLOW H2O ENTRY IN SAMPLE SCREEN
M-5-B-45

0000022

print legibly



Custodyderaltm3/3/98



# 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 Long Term Monitoring**

Project No: IJN 98-0211
Location: M-5 LANDFILL CONT

**Samplers Name / Company :** TVS PWS-007

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals TAL | PEST PCB | ABN+25 | %SOLID | V.O.I.D. # | | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3543 15 | M-5-B-46 - 24" | 5-4-98 | 1530 | soil | | X | | | | X | VO | 0306 | 0 PPM | All samples kept <4 degrees C |
| 16 | " - 36" | | 1530 | " | | X | | | | X | VO | 0307 | 0 PPM | VOA pres. W/ HCL |
| 17 | " - 4-7' | | 1550 | AQ | | X | | | | | | | 0 PPM | ~~Metals pres. W/ $HNO_3$~~ |
| (18) | FIELD DUP - 6-12" | | | soil | | | X | X | X | | | | 0 PPM | |
| 19 | " - 24" | | | " | | X | | | | X | VO | 0311 | | |
| 20 | " - 36" | | | " | | X | | | | X | VO | 0312 | | |
| 21 | " - 4-7' | | | AQ | | X | | | | | | | | |

**Comments:** See pg. #1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | 5-4-98 1615 | | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

Report Type: (X) DERA long term monitoring format
Turnaround time: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

0000023

print legibly



Custodyderaltm3/3/98



# 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-5- LANDFILL

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

**Comments:**
#1 HNU CAL. @ 58 PPM - TR-HYDRO.
#2 OVA CAL. @ 98 PPM - METH.

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3547 01 | TRIP BLANK | 5-5-98 | | | 1 | X | | | | V00308 | | |
| 02 | M-5-B-47 - 6-12" | | 1010 | soil | 2 | | X | X | X | | 0 | PPM |
| 03 | " - 24" | | 1013 | " | | X | | | X | V00309 | " | |
| 04 | " - 36" | | 1017 | " | | X | | | X | V00310 | " | |
| 05 | " - 4-7' | | 1025 | AQ | | X | | | | | " | |
| 06 | M-5-B-48 - 6-12" | | 1045 | soil | | | X | X | X | | 0 | PPM |
| 07 | " - 24" | | 1050 | " | | X | | | X | V00313 | 0 | PPM |
| 08 | " - 38" | | 1050 | " | | X | | | X | V00314 | 1.04 | PPM |
| 09 | " - 4-7' | | 1100 | AQ | | X | | | | | 0 | PPM |
| 10 | M-5-B-49 - 6-12" | | 1145 | soil | | | X | X | X | | 0 | PPM |
| 11 | " - 24" | | 1150 | " | | X | | | X | V00315 | " | |
| 12 | " - 36" | | 1150 | " | | X | | | X | V00316 | " | |
| 13 | " - 4-7' | | 1205 | AQ | | X | | | | | " | |
| 14 | M-5-B-50 - 6-12" | | 1345 | soil | | | X | X | X | | 0 | PPM |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | | | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | 5598 1540 | | | | |

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

Remarks: 4 OZ. JARS, LOT # 32788 @ B-48
See 3550.02 For Resample of 36" B-47
3547.01

000024



# 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-5 LANDFILL CONT.

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Meta ALs | PEST PCB PAN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35547. 15 | M-5-B-50 - ~~6-12~~ 24" (M) | 5-5-98 | 1350 | soil | 2 | X | | | X | V00317 | 1 | PPM |
| 16 | " - 36" | | 1350 | " | | X | | | X | V00318 | 0 | PPM |
| 17 | " - 4-7 | | 1400 | AQ | | X | | | | | 0 | PPM |
| 18 | M-5-B-51 - 6-12" | | 1420 | soil | | | X | X | X | | | |
| 19 | " - 24" | | 1430 | " | | X | | | X | V00319 | | |
| 20 | " - 36" | | 1430 | " | | X | | | X | V00320 | | |
| 21 | " - 4-7' | | 1440 | AQ | | X | | | | | | |

**Comments:** see pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 5598 1540 | [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: see pg. 1

000025



Custodydera5/5/98



# 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** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-5-LANDFILL
**(X)DERA ( )OMA ( )Other:_____**

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

**Comments:** #1 - HNU - CAL @ 58 PPM W/ TR. HNO. #2 - OVA - CAL @ 98 PPM W/ METH.

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3550 .01 | TRIP BLANK | 5-6-98 | | | 1 | X | | | | V00321 | | |
| 02 | M-5-B-47 6-12" (36") | | 1000 | | 1 | X | | | | V00322 | | LOST METH. IN TRASIT ORIG. SAMPLE V00310 5-5-98 |
| 03 | M-5-B-52 6-12" | | 1020 | SOIL | 2 | | X | X | X | | 1 | PPM |
| 04 | " - 24" | | 1030 | " | | X | | | X | V00323 | 0 | " |
| 05 | " - 36" | | 1030 | " | | X | | | X | V00324 | 0 | " |
| 06 | " - 4-7' | | 1040 | AQ. | | X | | | | | 0 | " |
| 07 | M-5-B-53 - 6-12" | | 1120 | SOIL | | | X | X | X | | 0 | " |
| 08 | " - 24" | | 1135 | " | | X | | | X | V00325 | 0 | " |
| 09 | " - 36" | | 1138 | " | | X | | | X | V00326 | 1 | PPM |
| 10 | " - 4-7' | | 1150 | AQ | | X | | | | | 0 | PPM |
| 11 | M-5-B-54 - 6-12" | | 1320 | SOIL | | | X | X | X | | 0 | " |
| 12 | " - 24" | | 1325 | " | | X | | | X | V00327 | | |
| 13 | " - 36" | | 1325 | " | | X | | | X | V00328 | | |
| 14 | " - 4-7' | | 1330 | AQ | | X | | | | | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Matthew | 5-6-98 1545 | | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

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

Remarks: Sample # 2 Cancelled NO Per. Solid, Lost Methanol In Transit 6/15/98

920026

print legibly



Custodydera5/5/98



# 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** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-5-LANDFILL CONT.
**(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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3550.15 | M-5-B-55- 6-12" | 5-6-98 | 1515 | SOIL | 2 | | X | X | X | | 0 | PPM |
| 16 | " - 24 | | 1525 | " | " | X | | | X | V00329 | " | " |
| 17 | " - | | 1525 | " | " | X | | | X | V00330 | " | " |
| 18 | " - | | 1530 | AQ | " | X | | | | | " | " |

**Comments:** see Pg-1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 5-6-98 1545 | | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

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

Remarks:

220000



# 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 Long Term Monitoring**

Project No: IJN 98-0211
Location: M-5- LANDFILL

**Samplers Name / Company :** MARK LAUER **TVS PWS-007**

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST CB | ABN+25 | % SOLID | | | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35601 | TRIP BLANK | 5-11-98 | | | 1 | X | | | | | | V00331 | | All samples kept <4 degrees C |
| 02 | M-5-B-56-6-12 | | 0945 | SOIL | 2 | | X | X | X | X | | | 0 PPM | VOA pres. W/ HCL |
| 03 | " - 24" | | 0950 | " | | X | | | | X | | V00332 | " | Metals pres. W/ $HNO_3$ |
| 04 | " - 40" | | 0950 ~~0949~~ mc | " | | X | | | | X | | V00333 | " | |
| 05 | " - 4-7' | | 1000 | AQ | | X | | | | | | | " | |
| 06 | M-5-B-57-6-12" | | 1040 | SOIL | | | X | X | X | X | | | " | |
| 07 | " - 24" | | 1050 | " | | X | | | | X | | V00334 | " | |
| 08 | " - 38" | | 1050 | " | | X | | | | X | | V00335 | " | |
| 09 | " - 4-7' | | 1100 | AQ | | X | | | | | | | " | |
| 10 | M-5-B-58 - 6-12" | | 1310 | SOIL | | | X | X | X | X | | | " | |
| 11 | " - 24" | | 1315 | " | | X | | | | X | | V00336 | " | |
| 12 | " - 36" | | 1315 | " | | X | | | | X | | V00337 | " | |
| 13 | " - 4-7' | | 1325 | AQ | | X | | | | | | | " | |
| 14 | M-5-B-59 - 6-12" | ↓ | 1410 | SOIL | ↓ | | X | X | X | X | | | | |

**Comments:**
CAL #2 HNU @ 58 PPM W/ TR. ISOBUTYLENE. CAL OVA #1 @ 98 PPM W/METHANE - 0 HR (NL) O.K.

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| MarkFlauer | ~~1500~~ 5/11/98 1500 | J. Wright | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

Report Type: (X) DERA long term monitoring format
Turnaround time: (X)Standard 4 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks: RAIN - HNU NOT PERFORMING CORRECTLY
2 02 - JARS-LOT # 32798 @ B-57

820000

print legibly



Custodyderaltm3/3/98



# 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-5-LANDFILL CONT.

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTBN | PACBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3561. 15 | M-5-B-59 - 24" | 5-11-98 | 1420 | soil | 2 | X | | | | X | V00345 | | |
| 16 | " - 36" | | 1420 | " | | X | | | | X | V00346 | | |
| 17 | " - 4-7' | | 1430 | AQ. | | X | | | | | | | |

**Comments:** See pg - 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 5-11-98 1500 | [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:

620000

print legibly



Custodydera5/5/98



# 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** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-5- LANDFILL
**(X)DERA ( )OMA ( )Other:_____**
**Samplers Name / Company : MARK LAURA / TVS PWS-007**

Comments: Cal. HNU # 2 Cal OVA # 1 > 0.1 (ML)

| Lab Sample I.D. | | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Metals | PESTCBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35077 | 1 | TRIP BLANK | 5-14-98 | — | | 1 | X | | | | V00347 | ~~0~~ | ~~PPM~~ (ML) |
| | 2 | M-5-B-60-(6-12" | | 0930 | soil | 2 | | X | X | X | | 0 | PPM |
| | 3 | " -(24" | | 0943 | " | | X | | | X | V00348 | " | " |
| | 4 | " -(40" | | 0943 | " | | X | | | X | V00349 | " | " |
| | 5 | " -(4-7' | | 0950 | AQ | | X | | | | | " | " |
| | 6 | M-5-B-61 -(6-12" | | 1038 | soil | | | X | X | X | | " | " |
| | 7 | " -(24" | | 1045 | " | | X | | | X | V00350 | " | " |
| | 8 | " -(36" | | 1050 | " | | X | | | X | V00351 | " | " |
| | 9 | " -(4-7' | | 1059 | AQ | | X | | | | | " | " |
| | 10 | M-5-B-62 -(6-12" | | 1135 | soil | | | X | X | X | | " | " |
| | 11 | " -(24" | | 1140 | " | | X | | | X | V00352 | " | " |
| | 12 | " -(30" | | 1140 | " | | X | | | X | V00353 | 2 | PPM |
| | 13 | " -(4-7' | | ~~1150~~ 1209 (ML) | " | | X | | | | | 0 | PPM |
| | 14 | M-5-B-63-(6-12" | | 1330 | soil | | | X | X | X | | 200 | PPM |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 5-14-98 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.

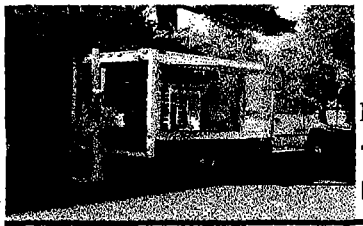
Remarks: 4-02 — 42298

000030

print legibly



Custodydera.xls5/11/98



# 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** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-5-LANDFILL CONT.
**(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: See Pg. 1 / Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3567. 15 | M-5-B-63 - 20" | 5-14-98 | 1405 | soil | 2 | X | | | X | V00354 | 800 | PPM - HNU |
| 16 | " - 24" | | 1410 | " | | X | | | X | V00355 | ~~800~~ 500 | PPM - HNU |
| 17 | " - 30" | | 1410 | " | | X | | | X | V00356 | 500 | 1000 PPM - HNU |
| 18 | " - 4-7' | | 1420 | AQ | | X | | | | | 0 | OVA + HNU |
| 19 | M-5-B-64 - 6-12" | | 1505 | soil | | | X | X | X | | 0 | PPM |
| 20 | " - 24" | | 1510 | " | | X | | | X | V00357 | " | " |
| 21 | " - 30" | | 1510 | " | | X | | | X | V00358 | " | " |
| 22 | " - 4-7' | | 1517 | AQ | | X | | | | | " | " |
| 23 | Field Dup - 6-12" | | X | soil | | | X | X | X | | " | " |
| 24 | " - 24" | | X | " | | X | | | X | V00359 | " | " |
| 25 | " - 30" | 40" | X | " | | X | | | X | V00360 | " | " |
| 26 | " - 4-7' | | X | AQ | | X | | | | | " | " |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 5-14-98 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.

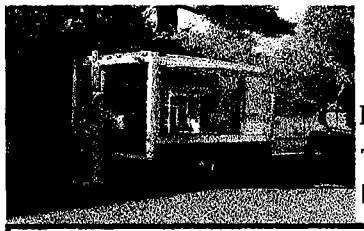
Remarks: See Pg. 1

000031

print legibly



Custodydera.xls5/11/98



# 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-5-LANDFILL

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

| Lab Sample I.D. | | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3571 | 1 | TRIP BLANK | 5-15-98 | | | 1 | X | | | | V00367 | | V00367 |
| | (2) | M-5-B-65 - 6-12" | | 1020 | SOIL | 2 | | X | X | X | | 0 | PPM |
| | 3 | " - 24" | | 1035 | " | | X | | | X | V00368 | " | " |
| | 4 | " - 30" | | 1035 | " | | X | | | X | V00369 | " | " |
| | 5 | " - 4-7' | | 1040 | AQ. | | X | | | | | " | " |
| | (6) | M-5-B-66 - 6-12" | | 1130 | SOIL | | | X | X | X | | " | " |
| | 7 | " - 24" | | 1138 | " | | X | | | X | V00370 | " | " |
| | 8 | " - 30" | | 1138 | " | | X | | | X | V00371 | " | " |
| | 9 | " - 4-7' | | 1148 | AQ. | | X | | | | | " | " |
| | (10) | M-5-B-67 - 6-12" | | 1340 | SOIL | | | X | X | X | | 0 | PPM |
| | 11 | " - 24" | | 1350 | " | | X | | | X | V00372 | " | " |
| | 12 | " - 36' | | 1400 | AQ | 3 | X | | | X | | " | " |
| | (13) | M-5-B-68 - 6-12" | | 1430 | SOIL | 2 | | X | X | X | | " | " |
| | 14 | " - 24" | | 1440 | " | " | X | | | X | V00373 | " | " |

Analysis Parameters

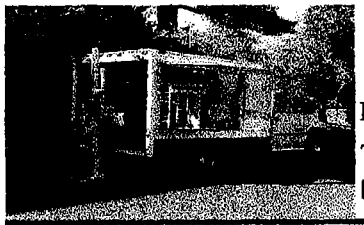
Comments:
#2-TANK NOT WORKING CORRECTLY
#1 OVA CAL. @ 95 PPM - METH
0% (MV)

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 5-15-98 1550 | | | | |
| 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: M-5-B-67-(1) VOA - H2O @ 30"
2 oz. JARS LOT # 032798 @ B-68

25003



# 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-5-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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3571 15 | M-5-B-68 - (CONT.) (30" | 5-15-98 | 1440 | soil | 2 | X | | | X | V00374 | 0 | PPM |
| 16 | " - (4-7' | | 1450 | AQ | | X | | | X | | " | " |
| 17 | M-5-B-69 - 6-12" | | 1520 | soil | | X | X | X | X | | | |
| 18 | " - 24" | | 1530 | " | | X | | | X | V00375 | | |
| 19 | " - 30" | | 1530 | " | | X | | | X | V00376 | | |
| 20 | " - 4-7' | | 1540 | AQ | | X | | | | | | |

**Comments:** see pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 5-15-98 1550 | 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: see pg. 1

0000333

print legibly



Custodydera.xls5/11/98



# 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-5-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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3576. 1 | TRIP BLANK | 5-18-98 | | | 1 | X | | | | V00377 | 0 | PPM |
| 2 | M-5-B-70-6-12' | | 1025 | SOIL | 2 | | X | X | X | | 0 | " |
| 3 | " - 24' | | 1035 | " | | X | | | X | V00378 | " | " |
| 4 | " - 30" | | 1040 | " | | X | | | X | V00379 | " | " |
| 5 | " -4-7 | | 1050 | AQ | | X | | | | | " | " |
| 6 | M-5-B-71-6-12' | | 1120 | SOIL | | | X | X | X | | " | " |
| 7 | " - 24' | | 1135 | " | | X | | | X | V00380 | " | " |
| 8 | " - 30" | | 1140 | " | | X | | | X | V00381 | " | " |
| 9 | " -4-7' | | 1145 | AQ | | X | | | | | " | " |
| 10 | M-5-B-72-6-12' | | 1340 | SOIL | | | X | X | X | | " | " |
| 11 | " - 24" | | 1355 | " | | X | | | X | V00382 | " | " |
| 12 | " - 30" | | 1400 | " | | X | | | X | V00383 | " | " |
| 13 | " -4-7' | | 1410 | AQ. | | X | | | | | " | " |
| 14 | M-5-B-73-6-12' | | 1510 | SOIL | | | X | X | X | | " | " |

**Comments:** OVA # 2-CAL. @ 95 PPM w/ METHANE (NO HAKE) O.K. (MC)

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 5-19-98 1545 | | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

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

Remarks:

000034

print legibly



Custodydera5/5/98



# 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-5-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 AN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3576 *15 | M-5-B-73-(24" | 5-18-98 | 1518 | soil | 2 | | | | | V00384 | | |
| 16 | " -(4.9' | | 1523 | AQ | | | | | | | | |
| 5-18-98 ML 17 | " -(4-9' | | 1523 | AQ | | | | | | | | |

**Comments:** See pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | 5-18-98 1545 | | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

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

Remarks: * B-73 -① VOA-soil 1120 @ 30" EG.

000035

print legibly



Custodydera5/5/98



# 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-5 Landfill

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

**Comments:** Cal OVA #2 OK @ 95 PPM W/METHANE

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3580. 1 | TRIP BLANK | 5-19-98 | | | 1 | X | | | | V00387 | 0 PPM | |
| 2 | M-5-B-74 - (6-12" | | 0845 | soil | 2 | | X | X | X | | " | |
| 3 | " - (24" | | 0850 | " | " | X | | | X | V00388 | " | 1 METH. H2O @ 30" |
| 4 | " (30-62" NO | | 0900 | AQ | 3 | X | | | | | " | |
| 5 | M-5-B-75 - (6-12" | | 0930 | soil | 2 | | X | X | X | | " | |
| 6 | " - (24" | | 0940 | " | " | X | | | X | V00389 | " | 1 METH. H2O @ 30" |
| 7 | " - (30-62" | | 0950 | AQ | 3 | X | | | X | JF 5/20/98 | " | |
| 8 | M-5-B-76 - (6-12" | | 1050 | soil | 2 | | X | X | X | | " | |
| 9 | " - (24" | | 1103 | " | " | X | | | X | V00390 | " | 1 METH. H2O @ 30" |
| 10 | " - (30-62" | | 1108 | AQ | " | X | | | X | JF 5/20/98 | " | |
| 11 | M-5-B-77 - (6-12" | | 1140 | soil | " | | X | X | X | | " | |
| 12 | " - (24" | | 1150 | " | " | X | | | X | V00391 | " | |
| 13 | " - (30-62" | | 1200 | AQ | " | X | | | X | JF 5/20/98 | " | |
| 14 | M-5-B-78 - (6-12" | | 1320 | soil | " | | X | X | X | | " | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mullon | 5-19-98 1700 | | | | |
| 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: 4 oz. LOT # 32798-B-74

000036

print legibly



Custodydera5/5/98



# 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** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-S-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 | PESTBN | %SOLID | VOA ID NUMBER | OVA | Comments: / Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35801 15 | M-S-B-78-24" | 5-19-98 | 1325 | soil | 2 | X | | | X | V00392 | 0 | PPM |
| 16 | " -36" | | 1330 | " | | X | | | X | V00393 | 2 | PPM |
| 17 | " -4-7' | | 1340 | AQ | | X | | | | | 0 | PPM |
| 18 | M-S-B-79-6-12" | | 1415 | soil | | | X | X | X | | " | " |
| 19 | " -24" | | 1420 | " | | X | | | X | V00394 | " | " |
| 20 | " -36" | | 1420 | " | | X | | | X | V00395 | " | " |
| 21 | " -3-6' | | 1430 | AQ | | X | | | | | " | " |
| 22 | M-S-B-80-6-12" | | 1540 | soil | | | X | X | X | | " | " |
| 23 | " -24" | | 1545 | " | | X | | | X | V00396 | " | " |
| 24 | " -36" | | 1548 | " | | X | | | X | V00397 | " | " |
| 25 | " -3-6' | | 1555 | AQ | | X | | | | | " | " |
| 26 | M-S-B-81-6-12" | | 1700 | soil | | | X | X | X | | " | " |
| 27 | " -24" | | 1705 | " | | X | | | X | V00398 | " | " |
| 28 | " -36" | ↓ | 1710 | " | ↓ | X | | | X | V00399 | " | " |

See pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 5-19-98 1700 | [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: 2 oz. LOT #52798 @ B-81

000037

print legibly



Custodydera5/5/98



# 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-5-LANDFILL

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Metals | PESTBN | %SOLID | VOA ID NUMBER | OVA | Comments: Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3580-29 | M-5-B-81 (4-7' | 5-19-98 | 1715 | AQ | 2 | X | | | | | 0 | PPM |
| 30 | M-5-B-82 - 6-12" | | 1725 | soil | | | X | X | X | | 0 | " |
| 31 | " - 24" | | 1735 | " | | X | | | X | V00400 | 0 | " |
| 32 | " - 36" | | 1740 | " | | X | | | X | V00401 | 0 | " |
| 33 | " - 4-7' | | 1750 | AQ | | X | | | | | 0 | " |
| 34 | M-5-B-83 - 6-12" | | 1830 | soil | | | X | X | X | | 0 | " |
| 35 | " - 24" | | 1845 | " | | X | | | X | V00402 | 0 | " |
| 36 | " - 36" | | 1850 | " | | X | | | X | V00403 | 0 | " |
| 37 | " - 4-7' | | 1900 | AQ | | X | | | | | 0 | " |
| 38 | Field Dup. - 6-12" | | | soil | | | X | X | X | | 0 | " |
| 39 | " - 24" | | | " | | X | | | X | V00407 | 0 | " |
| 40 | " - 36" | | | " | | X | | | X | V00408 | 0 | " |
| 41 | " - 3-6' | ↓ | | AQ | ↓ | X | | | | | 0 | " |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 5-19-98 1700 | | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

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

Remarks:

print legibly



Custodydera5/5/98



# 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** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-5-LANDFILL
**(X)DERA ( )OMA ( )Other:_____**

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

**Comments:** Cal OVA #2 w/95 PPM METH.

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST PCB | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3584. 1 | TRIP BLANK | 5-20-98 | | METH. | 1 | X | | | | V00404 | — | |
| 2 | M-5-B-84 - 6-12" | | 0910 | SOIL | 2 | | X | X | X | | 0 PPM | |
| 3 | " - 24" | | 0915 | " | | X | | | X | V00405 | " | |
| 4 | " - 30" | | 0920 | " | | X | | | X | V00406 | " | |
| 5 | - 36' | | 0930 | AQ | | X | | | | | " | |
| 6 | M-5-B-85 - 6-12" | | 1015 | SOIL | | | X | X | X | | " | |
| 7 | " - 24" | | 1025 | " | | X | | | X | V00409 | " | |
| 8 | " - 36" | | 1030 | " | | X | | | X | V00410 | " | |
| 9 | " - 47' | | 1040 | AQ | | X | | | | | " | |
| 10 | M-5-B-86 - 6-12" | | 1135 | SOIL | | | X | X | X | | " | |
| 11 | " - 24" | | 1145 | " | | X | | | X | V00411 | " | |
| 12 | " - 36" | | 1158 | " | | X | | | X | V00412 | " | |
| 13 | " - 36' | | 1158 | AQ | | X | | | | | " | |
| 14 | M-5-B-87 - 6-12" | | 1310 | SOIL | | | X | X | X | | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 5-21-98 750 | [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: 40z. LOT # 42298 @ B-84

000036



# 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-S-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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3584 | 15 | M-S-B-87 - 24" | 5-20-98 | 1315 | soil | 2 | X | | | X | VO 0413 | 0 PPM | |
| | 16 | " - 36" | | 1320 | " | | X | | | X | VO 0414 | " | |
| | 17 | " - 3-6' | | 1330 | AQ | | X | | | | | " | |
| | 18 | M-S-B-88 - 6-12" | | 1420 | soil | | | X | X | X | | " | |
| | 19 | " - 24" | | 1430 | " | | X | | | X | VO 0415 | " | H2O @ 30" - ONLY ONE VOA SOIL |
| | ~~20~~ (MD 5-20-98) | ~~" - 32"~~ | | | | | | | | | | | |
| 3584 | 21 | " - 3-6' | | 1445 | AQ | | X | | | | | " | |
| | 22 | M-S-B-89 - 6-12" | | 1525 | soil | | | X | X | X | | " | |
| | 23 | " - 24" | | 1530 | " | | X | | | X | VO 0416 | " | |
| | 24 | " - 30" | | 1539 | " | | X | | | X | VO 0417 | 3 PPM | |
| | 25 | " - 3-6' | | 1543 | AQ | | X | | | | | 0 PPM | |
| | 26 | M-S-B-90 - 6-12 | | 1612 | soil | | | X | X | X | | " | |
| | 27 | " - 24" | | 1618 | " | | X | | | X | VO 0418 | " | |
| | 28 | " - 30" | | 1623 | " | | X | | | X | VO 0419 | " | |

**Comments:** see pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 5-20-98 750 | | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

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

Remarks:



# Fort Monmouth Environmental Testing Laboratory

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-S-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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3584 29 | M-S-B40 (CONT.) 3-6' | 5-20-98 | 1635 | AQ | 2 | X | | | | | 0 | PPM |
| 30 | M-S-B-91 - 6-12" | | 1700 | Soil | | | X | X | X | | 11 | |
| 31 | " - 24" | | 1705 | " | | X | | | X | V00420 | 4 | |
| 32 | " - 30" | | 1710 | " | | X | | | X | V00421 | 11 | |
| 33 | " - 3-6' | | 1716 | AQ | | X | | | | | 11 | |
| 34 | M-S-B-92 - 6-12" | | 1730 | Soil | | | X | X | X | | 11 | |
| 35 | " - 24" | | 1740 | " | | X | | | X | V00422 | 11 | |
| 36 | " - 30" | | 1745 | " | | X | | | X | V00423 | 11 | |
| 37 | " - 3-6' | | 1755 | AQ | | X | | | | | | |

| Relinquished by (signature) | Date/Time | Received by (signature) | Relinquished by (signature) | Date/Time | Received by (signature) |
|---|---|---|---|---|---|
| Mark Laura | 5-20-98 750 | [signature] | | | |
| Relinquished by (signature) | Date/Time | Received by (signature) | Relinquished by (signature) | Date/Time | Received by (signature) |
| | | | | | |

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

Remarks:

print legibly



Custodydera5/5/98



# 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** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-5-LANDFILL
**(X)DERA ( )OMA ( )Other:_____**

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

**Comments:** Cal OVA #2 w/ 45 PPM - METHANE (MU OK.

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST PCB | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3588. 1 | TRIP BLANK | 5-21-98 | | | 1 | X | | | | V00424 | | |
| (2) | M-5-B-93-6-12" | | 1110 | soil | 2 | | X | X | X | | 0 PPM | |
| 3 | " -24" | | 1115 | " | | X | | | X | V00425 | " | |
| 4 | " -30" | | 1120 | " | | X | | | X | V00426 | " | |
| 5 | " -3-6' | | 1130 | AQ. | | X | | | | | " | |
| (6) | M-5-B-94-6-12" | | 1310 | soil | | | X | X | X | | " | |
| 7 | " -24" | | 1315 | " | | X | | | X | V00427 | " | |
| 8 | " -30" | | 1320 | " | | X | | | X | V00428 | " | |
| 9 | " -3-6' | | 1330 | AQ | | X | | | | | " | |
| (10) | M-5-B-95-6-12" | | 1420 | soil | | | X | X | X | | " | |
| 11 | " -24" | | 1425 | " | | X | | | X | V00429 | " | |
| 12 | " -36" | | 1430 | " | | X | | | X | V00430 | " | |
| 13 | " -4-7' | | 1440 | AQ | | X | | | | | " | |
| (14) | M-5-B-96-6-12" | | 1510 | soil | | | X | X | X | | " | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark | 5-22-98 730 | | | | |
| 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: 2 oz. JARS LOT # 32798 @ B-94



# 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-5- 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3588. 15 | M-5-B-96 – 24" | 5-21-98 | 1515 | soil | 2 | X | | | X | V00431 | 0 | PPM |
| 16 | " – 36" | | 1520 | " | | X | | | X | V00432 | " | |
| 17 | " – 4-7' | | 1530 | AQ | | X | | | | | " | |
| (18) | M-5-B-97 – 6-12" | | 1600 | soil | | | X | X | X | | " | |
| 19 | " – 24" | | 1610 | " | | X | | | X | V00433 | " | |
| 20 | " – 30" | | 1615 | " | | X | | | X | V00434 | " | |
| 21 | " – 4-7' | | 1620 | AQ | | X | | | | | | |
| (22) | M-5-B-98 – 6-12 | | 1650 | soil | | | X | X | X | | | |
| 23 | " – 24" | | 1700 | " | | X | | | X | V00435 | | |
| 24 | " – 36" | | 1705 | " | | X | | | X | V00436 | | |
| 25 | " – 4-7' | | 1711 | AQ | | X | | | " | | | |

**Comments:** see pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 5-22-98 730 | 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:

print legibly



Custodyders5/5/98



# 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** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-5
**(X)DERA ( )OMA ( )Other:_____**
**Samplers Name / Company : MARK LAURA / TVS PWS-007**

**Comments:** Cal Blnk #2 - 59 PPM TR. HYDRO. → OIR. (NA)
Cal OVA #2 - 105 PPM METHANE

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Metals | PEST BN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3543 1 | TRIP BLANK | 5-26-98 | | METH. | 1 | X | | | | V00437 | | |
| (2) | M-5-B-99 - 6-12" | | 0920 | SOIL | 2 | | X | X | X | | OPPM | |
| 3 | " - 24" | | 0930 | " | | X | | | X | V00438 | " | H2O @ 30" (1) VOA-SOIL |
| 4 | " - 3-6' | | 0938 | AQ. | | X | | | X | | " | |
| (5) | M-5-(682) B-100 - 6-12" | | 1110 | SOIL | | | X | X | X | | " | |
| 6 | " - 24" | | 1115 | " | | X | | | X | V00439 | " | |
| 7 | " - 35" | | 1123 | " | | X | | | X | V00440 | " | |
| 8 | " - 3-6' | | 1137 | AQ. | | X | | | | | " | |
| (9) | M-5(682)-B-101 - 6-12" | | 1310 | SOIL | | | X | X | X | | " | |
| 10 | " - 24" | | 1315 | " | | X | | | X | V00441 | " | |
| 11 | " - 35" | | 1320 | " | | X | | | X | V00442 | " | |
| 12 | " - 3-6' | | 1330 | AQ | | X | | | | | " | |
| (13) | M-5(682) B-102 - 6-12" | | 1415 | SOIL | | | X | X | X | | " | |
| 14 | " - 24" | | 1420 | " | | X | | | X | V00443 | " | |

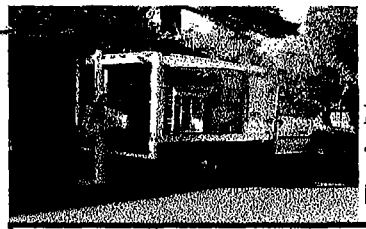
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 5-26-98 1550 | [signature] | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished 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:

000074

print legibly



# 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-5

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3593. 15 | M-5(682) B-102 - 35" | 5-26-98 | 1425 | Soil | 2 | X | | | X | V00444 | 3 PPM | |
| 16 | " - | | 1435 | AQ | | X | | | | | 0 PPM | |
| 17 | Field Dup - 6-12" | | X | Soil | | | X | X | X | | | |
| 18 | " - 24" | | X | " | | X | | | X | V00451 | | |
| 19 | " - 35" | | X | " | | X | | | X | V00452 | | |
| 20 | " - 3-6' | | X | AQ | | X | | | | | | |
| 21 | M-5(682) B-103 - 6-12" | | 1510 | Soil | | | X | X | X | | | |
| 22 | " - 24" | | 1515 | " | | X | | | X | V00445 | | |
| 23 | " - 35" | | 1520 | " | | X | | | X | V00446 | | |
| 24 | " - 3-6' | | 1530 | AQ | | X | | | | | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | 5-26-98 1550 | | | | |
| 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:

000075



# 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-5 LANDFILL

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

**Comments:**
Cal - HNU #2 5 PPM TN. HYDRO.
Cal HNU #2 95 PPM METHANE → 0.1 (M)

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Metals | PEST BN | PCB | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3596 1 | TRIP BLANK | 5-27-98 | | METH. | 1 | X | | | | | V00447 | 0 PPM | |
| 2 | M-5(676) B-104-6-12" | | 1100 | SOIL | 2 | | X | X | | X | | 11 | |
| 3 | " -24" | | 1105 | " | | X | | | | X | V00448 | " | |
| 4 | " -36" | | 1110 | " | | X | | | | X | V00449 | " | |
| 5 | " -8-11' | | 1120 | AQ | | X | | | | | | " | |
| 6 | M-5(676) B-105 -6-12" | | 1305 | SOIL | | | X | X | | X | ~~V00450~~ (M) | " | |
| 7 | " -24" | | 1310 | " | | X | | | | X | V00451 | " | |
| 8 | " -80" | | 1315 | " | | X | | | | X | V00453 | " | |
| 9 | " -7-10' | | 1320 | AQ | | X | | | | | | " | |
| 10 | M-5(676) B-106-6-12" | | 1355 | SOIL | | | X | X | | X | | " | |
| 11 | " -24" | | 1405 | " | | X | | | | X | V00454 | " | |
| 12 | " -70" | | 1410 | " | | X | | | | X | V00455 | " | |
| 13 | " -6-9' | | 1415 | AQ | | X | | | | | | " | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 5-27-98 1605 | [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: LOT # 42298-2 oz @ B-105

000046

print legibly



Custodydera5/5/98



# 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** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-5-LANDFILL
**(X)DERA ( )OMA ( )Other:_____**
**Samplers Name / Company : MARK LAURA / TVS PWS-007**

**Comments:** HNU NOT PERFORMING, OVA CAL. @ 95 PPM W/METHANE 0.2 ML

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST PCB | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3604 1 | TRIP BLANK | 5-29-98 | | WATER | 1 | X | | | | V00456 | | |
| 2 | M-5(676) B-107-6-12" | | 0915 | SOIL | 2 | | X | X | X | | 0 PPM | |
| 3 | " -24" | | 0920 | " | | X | | | X | V00457 | " | |
| 4 | " -70" | | 0925 | " | | X | | | X | V00458 | " | |
| 5 | " -6-9' | | 0935 | AQ | | X | | | | | " | |
| 6 | M-5(676) B-108-6-12" | | 1010 | SOIL | | | X | X | X | ~~V00459~~ (ML) | " | |
| 7 | " -24" | | 1015 | " | | X | | | X | V00459 | " | |
| 8 | " -46" | | 1020 | " | | X | | | X | V00460 | " | |
| 9 | " -4-7' | | 1030 | " | | X | | | | | " | |
| 10 | M-5(676) B-109-6-12" | | 1110 | SOIL | | | X | X | X | | " | |
| 11 | " -24" | | 1115 | " | | X | | | X | V00461 | " | |
| 12 | " -35" | | 1120 | " | | X | | | X | V00462 | " | |
| 13 | " -3-6' | | 1130 | AQ | | X | | | | | " | |
| 14 | M-5(676) B-110-6-12" | | 1320 | SOIL | | | X | X | X | | " | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 5-29-98 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: 4 OZ JARS LOT # 42298 @ B-107

000047

print legibly



Custodydera.xls5/22/98



# 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-5 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3(a04. 15 | M-5(676) B-110-24" | 5-29-98 | 1325 | soil | 2 | X | | | X | V00463 | | |
| 16 | " -45" | | 1330 | " | | X | | | X | V00464 | | |
| 17 | " -4-7' | | 1336 | AQ | | X | | | | | | |
| 18 | M-5(676) B-111-6 12" | | 1425 | soil | | | X | X | X | | | |
| 19 | " -24" | | 1430 | " | | X | | | X | V00465 | | |
| 20 | " -45" | | 1435 | " | | X | | | X | V00466 | | |
| 21 | " -4-7' | | 1445 | AQ | | X | | | | | | |

See pg 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 5-29-98 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.

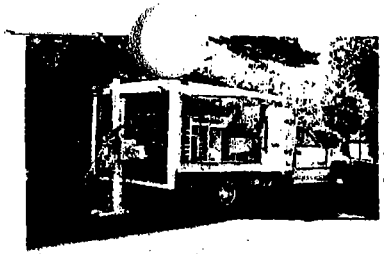
Remarks: See pg 1

000078

print legibly



Custodydera.xls5/22/98



# 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-5 LANDFILL 697 AREA

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

**Comments:** OVA #2 CAL w/95 PPM METHANE OK (ML)

| Lab Sample I.D. | | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST BN | PAH CB | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3662 | 1 | TRIP BLANK | 6-2-'98 | | METH | 1 | X | | | | | V00467 | " | |
| | 2 | FIELD BLANK-S.T. | | 0950 | AQ. | 2 | X | | | | | | 0PPM | 2"X4' SOIL TUBE |
| | 3 | " - W | | 1000 | AQ. | 2 | X | | | | | | 0PPM | 1" P.V.C. SCREEN |
| | 4 | M-5-(697) B-112-(6-12" | | 1030 | SOIL | 2 | | X | X | X | | | " | |
| | 5 | " -(24" | | 1045 | " | | X | | | | X | V00468 | " | |
| | 6 | " -(94" | | 1050 | " | | X | | | | X | V00469 | " | |
| | 7 | " -(8-11' | | 1100 | AQ. | | X | | | | | | " | |
| | 8 | M-5(697) B-113-6-12" | | 1320 | SOIL | | | X | X | X | | | " | |
| | 9 | " -(24" | | 1330 | " | | X | | | | X | V00470 | " | |
| | 10 | " -(94" | | 1340 | " | | X | | | | X | V00471 | " | |
| | 11 | " -(8-11' | | 1350 | AQ | | X | | | | | | " | |
| | 12 | M-5(697) B-114-(6-12" | | 1500 | SOIL | | | X | X | X | | | M | |
| | 13 | " -(24" | | 1505 | " | | X | | | | X | V00476 | " | |
| | 14 | " -(94" | | 1510 | " | | X | | | | X | V00477 | M | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 6-2-98 1550 | | | | |
| 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:

00049



# 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-5-LANDFILL 697 AREA

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Met Tals | PEST PCB | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36612-15 | M-5(697) B-114 8-11' | 6-2-98 | ~~1500~~ MK 1520 | AQ | 2 | X | | | | | 0 PPM | |

Analysis Parameters

**Comments:**

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 6-2-98 1550 | [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.

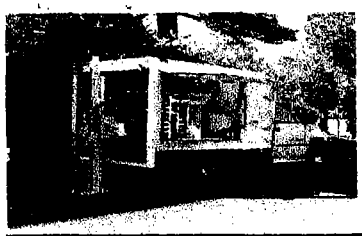
Remarks:

000050

print legibly



Custodyclera5/29/98



# 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-5 LANDFILL
BLDG. 697 AREA

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

**Comments:**
Cal OVA #2 w/ 95 PPM METH
Cal HNU #2 w/ 50 PPM TRICHLOR
O.K (ML)

| Lab Sample I.D. | | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Metals | PEST PCB'S | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3616 | 1 | TRIP BLANK | 6-3-98 | | METH. | 1 | X | | | | V0 0478 | | |
| | 2 | M-5(697) B-115 - 6-12" | | 0950 | SOIL | 2 | | X | X | X | | 0 PPM | |
| | 3 | " - 24" | | 1000 | " | | X | | | X | V00479 | " | |
| | 4 | " - 94" | | 1005 | " | | X | | | X | V00480 | " | |
| | 5 | " - 8-11' | | 1015 | AQ | | X | | | | | " | |
| | 6 | M-5(697) B-116 - 6-12" | | 1120 | SOIL | | | X | X | X | | " | |
| | 7 | " - 24" | | 1130 | " | | X | | | X | V00481 | " | |
| | 8 | " - 94" | | 1135 | " | | X | | | X | V00482 | " | |
| | 9 | " - 8-11' | | 1145 | AQ | | X | | | | | " | |
| | 10 | M-5(697) B-117 - 6-12" | | 1320 | SOIL | | | X | X | X | ~~V00483~~ (ML) | " | |
| | 11 | " - 24" | | 1330 | " | | X | | | X | V0 0483 | " | |
| | 12 | " - 76" | | 1335 | " | | X | | | X | V00484 | " | |
| | 13 | " - 6.5'-9.5' | | 1345 | AQ | 3 | X | | | | | " | |
| | 14 | M-5(697) B-118 - 6-12" | | 1500 | SOIL | 2 | | X | X | X | | " | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 6-3-98 1545 | [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:

0000151



# 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-5(697) CONT

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

Comments: S22 pg 1

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Met Tals | PEST PAS CB N | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3616 15 | M-5(697) B-118 - 24" | 6 3 98 | 1505 | soil | 2 | X | | | X | V00485 | ppm | |
| 16 | " - 79" | | 1510 | " | ↓ | X | | | X | V00486 | " | |
| 17 | " - 659.5' | | 1520 | AQ | ↓ | X | | | | | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 6-3-98 1545 | [signature] | | | |
| | | | | | |

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

Remarks:

250000



# 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-5 LANDFILL 697 AREA

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

**Comments:** Cal OVA #2 w/ 95 PPM METH.

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST PCB | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3(a)21 1 | TRIP BLANK | 6-4-98 | | METH. | 1 | X | | | | V00487 | | |
| 2 | M-5(697)B-119-6-12" | | 1020 | SOIL | 2 | | X | X | X | | 0 PPM | |
| 3 | " - 24" | | 1030 | " | | X | | | X | V00488 | " | |
| 4 | " - 94" | | 1035 | " | | X | | | X | V00489 | " | |
| 5 | " - 8 11' | | 1045 | AQ | | X | | | | | " | |
| 6 | M-5(697)B-120 6-12" | | 1120 | SOIL | | | X | X | X | | " | |
| 7 | 24" | | 1130 | " | | X | | | X | V00490 | " | |
| 8 | 94" | | 1135 | " | | X | | | X | V00491 | " | |
| 9 | 8 11' | | 1145 | AQ | | X | | | | | " | |
| 10 | M-5(697)B-121-6-12' | | 1320 | SOIL | | | X | X | X | | | |
| 11 | " - 24" | | 1330 | " | | X | | | X | V00492 | | |
| 12 | " - 94" | | 1335 | " | | X | | | X | V00493 | | |
| 13 | " - 8-11' | | 1345 | AQ | | X | | | | | | |
| 14 | M-5(697)B-122-6-12" | | 1445 | SOIL | | | X | X | X | | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | 6-4-98 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:

000053

print legibly



Custodydera5/29/98



# 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-5 (697) AREA CONT.

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Met Tal s | PEST PCB | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36-21 15 | M-5(697) B 122 (NW) 24" | 6-4-98 | 1455 | soil | 2 | X | | | X | V00494 | | |
| 16 | " - 94" | ↓ | 1500 | " | ↓ | X | | | X | V00495 | | |
| 17 | " - 8-11' | ↓ | 1510 | AQ | ↓ | X | | | | | | |

**Comments:**

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 6-4-98 1535 | [signature] | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

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

Remarks:

print legibly



Custodydera5/29/98



# 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-5 LANDFILL 697 AREA

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

Analysis Parameters: VOA+15 | Metals | PESTBN | PACBN | %SOLID

**Comments:** CAL OVA #2 495 PPM METH. (M2) O.K.

| Lab Sample I.D. | | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTBN | PACBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3624 | 1 | TRIP BLANK | 6-5-98 | | METH. | 1 | X | | | | | V00496 | | |
| | 2 | FIELD BLANK - S.T. | | 0905 | AQ. | 2 | X | | | | | | | SOIL TUBE |
| | 3 | " - G.W. | | 0915 | " | 2 | X | | | | | | | 1" P.V.C. SCREEN |
| | 4 | M-5(697) B-123 - 6-12" | | 0950 | SOIL | | | X | X | X | | | 0 PPM | |
| | 5 | " - 24" | | 1000 | " | | X | | | X | | V00497 | " | |
| | 6 | " - 80" | | 1005 | " | | X | | | X | | V00498 | " | |
| | 7 | " - 7-10' | | 1015 | AQ. | | X | | | | | | " | |
| | 8 | M-5(697) B-124 - 6-12" | | 1120 | SOIL | | | X | X | X | | ~~V00499~~ (MC) | " | |
| | 9 | " - 24" | | 1130 | " | | X | | | X | | V00499 | " | |
| | 10 | " - 80" | | 1135 | " | | X | | | X | | V00500 | " | |
| | 11 | " - 7-10' | | 1145 | AQ. | | X | | | | | | " | |
| | 12 | M-5(697) B-125 - 6-12" | | 1315 | SOIL | | | X | X | X | | | | |
| | 13 | 24" | | 1325 | " | | X | | | X | | V00501 | | |
| | 14 | 80" | | 1330 | " | | X | | | X | | V00502 | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 6-5-98 1435 | J. Shaffner | | | |
| | | | | | |

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

Remarks: VOA 40 ml - LOT # 51998

000055

print legibly



# 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-5 LANDFILL 697 AREA

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Metals | PESTBN | %SOLID | VOA ID NUMBER | OVA | Comments: / Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36074 15 | M-5 (697) B-125 7-10' | 6-5-98 | 1345 | AQ. | 2 | X | | | | | | see pg. 1 |
| 16 | Field Dup. - 6-12" | ↓ | X | soil | ↓ | | X | X | X | | | |
| 17 | " - 24" | | X | " | | X | | | X | V00503 | | |
| 18 | " - 80" | | X | " | | X | | | X | V00504 | | |
| 19 | " - 7-10' | | X | AQ | 2 | X | | | | | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 6-5-98 1435 | [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: see pg. #1

000056



# 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-5 LANDFILL 697 AREA

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

| Lab Sample I.D. | | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTBN | PAB %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3630 | 1 | TRIP BLANK | 6-8-98 | | METH. | 1 | X | | | | V00505 | | |
| | 2 | M-5(697) B-126 @12" | | 1020 | SOIL | 2 | | X | X | X | | 0 PPM | |
| | 3 | " - 24" | | 1030 | " | | X | | | X | V00506 | " | |
| | 4 | " - 118" | | 1040 | " | | X | | | X | V00507 | " | |
| | 5 | " - 10-13' | | 1050 | AQ. | | X | | | | | " | HCL |
| | 6 | M-5(697) B-127-6 12" | | 1105 | SOIL | | | X | X | X | | " | |
| | 7 | " - 24" | | 1115 | " | | X | | | X | V00508 | " | |
| | 8 | " - 94" | | 1120 | " | | X | | | X | V00509 | " | |
| | 9 | " - 8-10' | | 1130 | AQ | | X | | | | | " | HCL |
| | 10 | M-5(697) B-128-6-12" | | 1310 | SOIL | | | X | X | X | | " | |
| | 11 | " - 24" | | 1315 | " | | X | | | X | V00510 | " | |
| | 12 | " - 94" | | 1320 | " | | X | | | X | V00511 | " | |
| | 13 | " - 8-10' | | 1330 | AQ | | X | | | | | " | HCL |
| | 14 | M-5(697) B-129- 6-12" | ↓ | 1430 | SOIL | ↓ | | X | X | X | | | |

**Comments:** Cut #2 CUX w/ 95% IPA - METH CHK. BY

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| M. Laura | 6-9-98 730 | J. Laura | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

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

Remarks: 2 oz LOT # 52892 @ B-127

print legibly



# 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-5 LANDFILL 697 AREA 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 ABN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36030 15 | M-5(697)B-129-(24" | 6-8-98 | 1442 | soil | 2 | X | | | X | V00512 | 0 PPM | ~~HCL~~ |
| 16 | " -(82" | | 1448 | " | " | X | | | X | V00513 | " | |
| 17 | " -7-10' | | 1455 | AQ. | 3 | X | | | | | " | HCL |
| 18 | M-5(697)B-130-6-12" | | 1542 | soil | 2 | | X | X | X | | " | |
| 19 | " - 24" | | 1555 | " | | X | | | X | V00514 | " | |
| 20 | " - 82" | | 1600 | " | | X | | | X | V00515 | " | |
| 21 | " - 7-10' | | 1610 | AQ | | X | | | | | " | HCL |
| 22 | M-5(697)B-131-6-12" | | 1705 | soil | | | X | X | X | | " | |
| 23 | - 24" | | 1715 | " | | X | | | X | V00516 | " | |
| 24 | - 82" | | 1720 | " | | X | | | X | V00517 | " | |
| 25 | - 7-10' | | 1730 | AQ | | X | | | | | " | HCL |
| 26 | M-5(697)B-132-6-12" | | 1745 | soil | | | X | X | X | | | |
| 27 | " 24" | | 1755 | " | | X | | | | V00518 | | |
| 28 | " 82" | | 1800 | " | | X | | | | V00519 | | |

**Comments:** all pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| M Laura | 6/9/98 730 | 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: all pg. 1

print legibly



# 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-5 LANDFILL 697 AREA 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 PAB N | % SOLID | VOA ID NUMBER | OVA | Comments: / Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36.30. 29 | M-5(697) B132-7-10' | 6-8-98 | 1810 | AQ | | X | | | | | | HCL |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

Comments: See pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 6-9-98 730 | [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: see pg. 1

000059



# 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-5 LANDFILL 697 AREA

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

**Comments:** Cal #2 OVA w/ 95 PPM METH. O.K.

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST PCB N | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36133 1 | TRIP BLANK | 6-9-98 | | METH | 1 | X | | | | VO 0520 | | |
| 2 | FIELD BLANK S.T. | | 0955 | AQ | 2 | X | | | | | | TAKEN FROM 2"X4' SOIL TUBE (HCL |
| 3 | FIELD BLANK G.W. | | 1005 | " | | X | | | | | | TAKEN FROM 1"X5' P.V.C SCREEN (HCL |
| 4 | M-5(697) B-133 - 6-12" | | 1030 | SOIL | | | X | X | X | | 9PPM | |
| 5 | " - 24" | | 1045 | " | | X | | | X | V00521 | " | |
| 6 | " - 94" | | 1100 | " | | X | | | X | V00522 | " | |
| 7 | " - 8-10' | | 1115 | AQ. | | X | | | | | " | HCL |
| 8 | M-5(697) B-134 - 6-12" | | 1335 | SOIL | | | X | X | X | | " | |
| 9 | - 24" | | 1345 | " | | X | | | X | V00523 | " | |
| 10 | - 82" | | 1350 | " | | X | | | X | V00524 | .04 PPM | |
| 11 | - 7-10' | | 1400 | AQ | | X | | | | | .02 PPM | HCL |
| 12 | M-5(697) B-135 - 6-12" | | 1430 | SOIL | | | X | X | X | | 0PPM | |
| 13 | " - 24" | | 1440 | " | | X | | | X | V00525 | " | |
| 14 | " - 70" | | 1445 | " | | X | | | X | V00526 | " | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 6-10-98 0730 | [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:

000060

print legibly



Custodydera.xls5/22/98



# 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-5 LANDFILL 697 AREA 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 AN | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36633 15 | M-5(697) B-135-6-9' | 6-9-98 | 1455 | AQ. | 2 | X | | | | | 0 PPM | HCL |
| 16 | M-5 (697) B-136-6-12" | | 1530 | SOIL | | | X | X | X | | " | |
| 17 | " -24" | | 1535 | " | | X | | | X | V00527 | " | |
| 18 | " -94" | | 1540 | " | | X | | | X | V00528 | .04 PPM | |
| 19 | " -8-11' | | 1550 | AQ. | | X | | | | | 0 PPM | HCL |
| 20 | M-5(697) B-137-6-12" | | 1625 | SOIL | | | X | X | X | | " | |
| 21 | -24" | | 1635 | " | | X | | | X | V00529 | " | |
| 22 | -118" | | 1640 | " | | X | | | X | V00530 | " | |
| 23 | -10-13' | | 1650 | AQ. | | X | | | | | " | HCL |
| 24 | M-5(697) B138-6-12" | | 1745 | SOIL | | | X | X | X | | " | |
| 25 | " -24" | | 1800 | " | | X | | | X | V00531 | " | |
| 26 | " -118" | | 1805 | " | | X | | | X | V00532 | " | |
| 27 | " -10-13' | | 1812 | AQ | | X | | | | | " | HCL |
| | | | | | | | | | | | | |

**Comments:** See pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 6-10-98 0730 | [signature] | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | [signature] | | | |

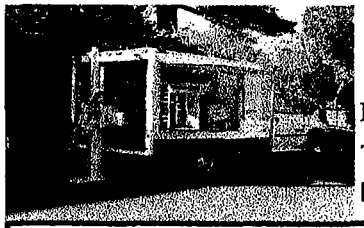
Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____Hrs.

Remarks:

000061



Custodydera ale5/22/98



# 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-5 LANDFILL 697 AREA

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

**Comments:** Cal # 2 O.V.A w/ 95 PPM METH. GAS

| Lab Sample I.D. | | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3642 | 1 | TRIP BLANK | 6-10-98 | - | METH | 1 | X | | | | V00533 | | |
| | 2 | M-5(697) B139-6-12" | | 1300 | SOIL | 2 | | X | X | X | | 0 PPM | |
| | 3 | -24" | | 1310 | " | | X | | | X | V00534 | 1 PPM | |
| | 4 | -82" | | 1320 | " | | X | | | X | V00535 | 90 PPM | |
| | 5 | -7-10' | | 1325 | AQ. | | X | | | | | 0 PPM | HCL |
| | 6 | M-5(697) B-140 - 6-12" | | 1415 | SOIL | | | X | X | X | | " | |
| | 7 | -24" | | 1435 | " | | X | | | X | V00536 | " | |
| | 8 | -80" | | 1445 | " | | X | | | X | V00537 | " | |
| | 9 | -7-10' | | 1458 | AQ. | | X | | | | | " | HCL |
| | 10 | M-5(697) B-141 - 6-12" | | 1540 | SOIL | | | X | X | X | | " | |
| | 11 | " -24" | | 1545 | " | | X | | | X | V00538 | " | |
| | 12 | " -80" | | 1550 | " | | X | | | X | V00539 | " | |
| | 13 | " -7-10' | | 1600 | AQ. | | X | | | | | " | HCL |
| | 14 | M-5(697) B-142 - 6-12" | | 1645 | SOIL | | | X | X | X | | " | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 6-11-98 730 | [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: 2 oz. JARS - LOT # 52898 @ B# 140

290000

print legibly



# 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 M5 Landfill (697) Area

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

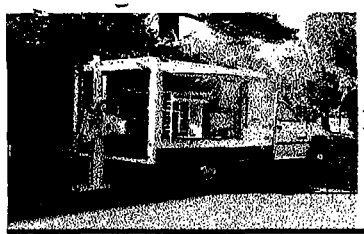
| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST PCB PAB | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36042 15 | M-5(697) B-142-24" | 6-10-98 | 1655 | Soil | 2 | X | | | X | V00540 | 0 PPM | |
| 16 | " - 80" | | 1710 | " | | X | | | X | V00541 | " | |
| 17 | " - 7-10' | | 1720 | AQ. | | X | | | | | | HCl |
| 18 | Field Dup. 6-12" ~~- 24"~~ (MD) | | | Soil | | | X | X | X | | | |
| 19 | " - 24" | | | " | | X | | | X | V00540 (MD) 556 | | |
| 20 | " - 80" | | | " | | X | | | X | V00541 557 | | |
| 21 | " - 7-10' | | | AQ. | | X | | | | (MD) | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 6-11-98 730 | J. Villegas | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

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

Remarks:

print legibly



# 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

9

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

Project No: IJN 98-0211
Location: M-5 LANDFILL 697 AREA

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

**Comments:**
Cal. #2 HNU @ 58PPM TRACE HYDRO. O.K. ML
Cal. #2 OVA @ 45PPM METHANE O.K. ML

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Metals | PEST BN | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3646 1 | TRIP BLANK | 6-11-98 | | METH. | 1 | X | | | | VO 0542 | — | |
| 2 | FIELD BLANK S.T. | | 0920 | AQ. | 2 | X | | | | | — | HCL |
| 3 | FIELD BLANK G.W. | | 0930 | AQ. | 2 | X | | | | | — | HCL |
| 4 | M-5(697) B-143 - 6-12" | | 1008 | SOIL | | | X | X | X | | 0 PPM | |
| 5 | " - 24" | | 1015 | " | | X | | | X | VO0543 | " | |
| 6 | " - 94" | | 1020 | " | | X | | | X | VO0554 | " | |
| 7 | " - 8-11' | | 1030 | AQ. | | X | | | | | " | HCL |
| 8 | M-5(697) B-144 - 6-12" | | 1120 | SOIL | | | X | X | X | | " | |
| 9 | " - 24" | | 1130 | " | | X | | | X | VO0555 | " | |
| 10 | " - 94" | | 1140 | " | | X | | | X | VO0562 | " | |
| 11 | " - 8-11' | | 1150 | AQ. | | X | | | | | " | HCL |
| 12 | M-5(697) B-145 - 6-12" | | 1330 | SOIL | | | X | X | X | | " | |
| 13 | - 24" | | 1340 | " | | X | | | X | VO0563 | " | |
| 14 | - 82" | ↓ | 1350 | " | ↓ | X | | | X | VO0564 | " | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 6-11-98 1545 | [signature] | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

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

Remarks:

print legibly



# 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-5 LANDFILL 697 AREA

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36465 15 | M-5(697) B-145 6-5-95 | 6-11-98 | 1400 | AQ. | 2 | X | | | | | 0ppm | HCL |
| 16 | M-5(697) B-146 - 6-12" | | 1450 | SOIL | | | X | X | X | | | |
| 17 | " - 24" | | 1500 | " | | X | | | X | V00565 | | |
| 18 | " - 84" | | 1510 | " | | X | | | X | V00566 | | |
| 19 | " - 7-10' | | 1515 | AQ. | 3 | X | | | | | | HCL |

Comments: see pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 6-11-98 1545 | 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.

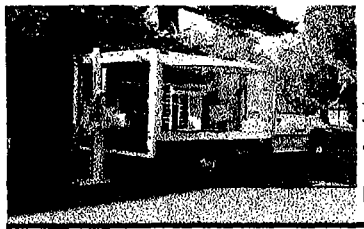
Remarks:

000065

print legibly



Custodyders xls8/9/98



# 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** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-5 LANDFILL 697 AREA
**(X)DERA ( )OMA ( )Other:_____**
**Samplers Name / Company : MARK LAURA / TVS PWS-007**

**Comments:** Cal - HNU #2 w/ Isobutylene 100 PPM O.K. (MW) NO OVA ON SITE

| Lab Sample I.D. | | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTBN | %SOLID | VOA ID NUMBER | HNU OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3651 | 1 | TRIP BLANK | 6-15-98 | | METH. | 1 | X | | | | V00567 | | |
| | 2 | M-5(697) B-147-6-12" | | 0945 | SOIL | 2 | | X | X | X | | 0 PPM | |
| | 3 | -24" | | 0955 | " | | X | | | X | V00568 | " | |
| | 4 | -82" | | 1005 | " | | X | | | X | V00569 | " | |
| | 5 | -7-10' | | 1015 | AQ. | | X | | | | | " | HCL |
| | 6 | M-5(697) B-148-6-12" | | 1130 | SOIL | | | X | X | X | | " | |
| | 7 | " -24" | | 1140 | " | | X | | | X | V00570 | " | |
| | 8 | " -82" | | 1145 | " | | X | | | X | V00571 | " | |
| | 9 | " -7-10' | | 1155 | AQ. | | X | | | | | " | HCL |
| | 10 | M-5(697) B-149-6-12" | | 1415 | SOIL | | | X | X | X | | " | |
| | 11 | " -24" | | 1420 | " | | X | | | X | V00572 | " | |
| | 12 | " -94" (MW) 6/15/98 | | 1430 | " | | X | | | X | V00573 | " | |
| | 13 | " 8-11' (MW) 6/15/98 | | 1440 | AQ. | | X | | | | | " | |
| (MW) 6-15-98 | 14 | M-5(697) B-150-6-12 | | | SOIL | | | X | X | X | | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 6/15/98 1530 | [signature] | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

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

Remarks:

print legibly



# 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-5 LANDFILL 697 AREA

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

**Comments:** Cal HNU #2 w/ 100 PPM C4Hs/AIR O.K. [signature] No OVA ON-SITE

| Lab Sample I.D. | | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Metals | PEST PCB N | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3658 | 1 | TRIP BLANK | 6-16-98 | — | METH | 1 | X | | | | V00574 | | |
| | 2 | M-5(697) B 150-6-12" | | 0930 | SOIL | 2 | | X | X | X | | 0 PPM | |
| | 3 | " - 24" | | 0940 | " | " | X | | | X | V00575 | " | |
| | 4 | " - 76" | | 0950 | " | " | X | | | X | V00576 | " | |
| | 5 | " - 6.5-8.5' | | 1000 | AQ. | 3 | X | | | | | " | HCL |
| | 6 | M-5(697) B 151 - 6-12" | | 1100 | SOIL | 2 | | X | X | X | | " | |
| | 7 | " - 24" | | 1110 | " | 2 | X | | | X | V00577 | " | |
| | 8 | " - 83" | | 1115 | " | 2 | X | | | X | V00578 | " | |
| | 9 | " - 7-10' | | 1130 | AQ. | 2 | X | | | | | " | HCL |
| | 10 | M-5(697) B 152-6-12" | | 1250 | SOIL | 2 | | X | X | X | | | |
| | 11 | " - 24" | | 1255 | " | " | X | | | X | V00579 | | |
| | 12 | " - 83" | | 1300 | " | " | X | | | X | V00580 | | |
| | 13 | " - 7-10' | | 1310 | AQ. | 3 | X | | | | | | HCL |
| — | 14 | M-5(697) B-153 - 6-12" | — | 1405 | SOIL | 2 | | X | X | X | | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 6-17-98 730 | [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:

print legibly



# 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** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-5 LANDFILL 697 AREA
**(X)DERA ( )OMA ( )Other:_____**
**Samplers Name / Company : MARK LAURA / TVS PWS-007**

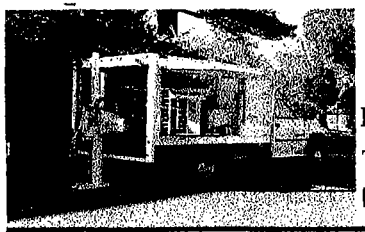
**Comments:** see pg 1

| 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 | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3658.15 | M-5(697)B-153-24" | 6/6/98 | 1410 | SOIL | 2 | X | | | X | V00581 | PPM | |
| 16 | " -94" | | 1420 | " | " | X | | | X | V00582 | " | |
| 17 | " -8-11' | | 1430 | AQ. | " | X | | | | | " | HCL |
| 18 | M-5(697)B-154-6-12' | | 1505 | SOIL | 2 | | X | X | X | | " | |
| 19 | " -24" | | 1515 | " | " | X | | | X | V00583 | " | |
| 20 | " -94" | | 1520 | " | " | X | | | X | V00584 | " | |
| 21 | " -8-11' | | 1530 | AQ. | " | X | | | | | " | HCL |
| 22 | M-5(697)B-155-6-12" | | 1710 | SOIL | 2 | | X | X | X | | " | |
| 23 | " -24" | | 1720 | " | " | X | | | X | V00585 | " | |
| 24 | " -82" | | 1725 | " | " | X | | | X | V00586 | " | |
| 25 | " -7-10' | | 1735 | AQ. | " | X | | | | | " | HCL |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 6/17/98 730 | [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:



# 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-5 LANDFILL 678 + MAIN LANDFILL AREAS

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

**Comments:** Cal HNU #2 w/ 100 ppm - Isobutylene O.K. ML NO OVA-CN SITE

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Metals | PEST PCB N | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3465. 1 | TRIP BLANK | 6/7-98 | — | METH. | 1 | X | | | | V00587 | | |
| 2 | FIELD BLANK S.T. | | 1010 | AQ. | 2 | X | | | | | HCL | TAKEN FROM GEOPROBE SOIL TUBE 2"x4' |
| 3 | " - G.W. | | 1020 | " | 2 | X | | | | | HCL | TAKEN FROM 1" x 5' P.V.C. SCREEN |
| 4 | M-5(678) B-156- 6-12" | | 1045 | SOIL | \| | | X | X | X | | 0 PPM | |
| 5 | " - 24" | | 1055 | " | \| | X | | | X | V00588 | " | |
| 6 | " - 82" | | 1105 | " | ↓ | X | | | X | V00589 | " | |
| 7 | " - 7-10' | | 1115 | AQ. | 3 | X | | | | | " | HCL |
| 8 | M-5(678) B-157- 6-12" | | 1240 | SOIL | | | X | X | X | | " | |
| 9 | " - 24" | | 1248 | " | | X | | | X | V00590 | " | |
| 10 | " - 74" | | 1255 | " | | X | | | X | V00591 | " | |
| 11 | " - 6.5-9.5' | | 1305 | AQ. | | X | | | | | " | |
| 12 | M-5-B-158- 6-12" | | 1505 | SOIL | | | X | X | X | | | |
| 13 | - 24" | | 1510 | | | X | | | X | V00592 | | |
| 14 | - 30" | | 1520 | | | X | | | X | V00593 | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | 6-18-98 730 | J. Laura | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

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

Remarks:

000069



# 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-5 LANDFILL

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

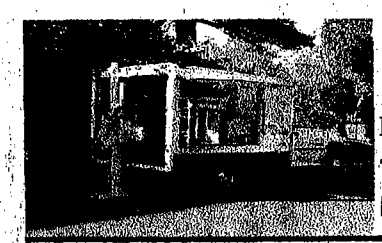
**Comments:** see pg. 1

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals TAL | PEST PCB | PAB N | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3665 15 | M-5-B-158 2.5-5.5' | 6-17-98 | 1530 | AQ. | 2 | X | | | | | | 0 PPM | HCl |
| 16 | M-5-B-159 - 6-12" | | 1615 | SOIL | " | | X | X | | X | | " | |
| 17 | " - 24" | | 1620 | " | " | X | | | | X | V00594 | " | |
| 18 | " - 2-5' | | 1630 | AQ. | 3 | X | | | | | | " | |
| 19 | M-5-B-160 - 6-12" | | 1700 | SOIL | | | X | X | | X | | " | |
| 20 | " - 24" | | 1710 | " | | X | | | | X | V00595 | .04 PPM | |
| 21 | " - 2-5' | | 1715 | AQ | | X | | | | | | 0 PPM | |
| 22 | M-5B ~~160~~ 161 - 6-12" | | 1755 | SOIL | | | X | X | | X | | " | |
| 23 | " - 24" | | 1805 | " | | X | | | | X | V00596 | " | |
| 24 | " - 2-5' | | 1815 | AQ. | | X | | | | | | " | |
| 25 | FIELD DUP - 6-12" | | — | SOIL | | | X | X | | X | | " | |
| 26 | " - 24" | | — | " | | X | | | | X | V00605 | " | |
| 27 | " - 2-5' | | — | AQ. | | X | | | | | | " | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | 6-18-98 730 | J. Verdiller | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

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

Remarks:



# Fort Monmouth Environmental Testing Laboratory

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-5 LANDFILL

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

**Comments:** Cal. HNu #2 w/100 PPM ISOBUTYLENE O.K (ML)

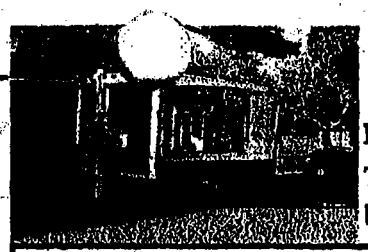
| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST BN | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3686 1 | TRIP BLANK | 6-26-98 | | METH. | 1 | X | | | | V00598 | | |
| 2 | FIELD BLANK-S.T. | | 0830 | AQ. | 2 | X | ~~X~~ ML 6-26 | ~~X~~ | | | | |
| 3 | " " -G.W. | | 0839 | AQ. | 2 | X | ~~X~~ ML 6-26 | ~~X~~ | | | | |
| 4 | M-5-B-162 - 6-12" | | 1140 | soil | 2 | | X | X | X | | 0 PPM | |
| 5 | " " - 19" | | 1145 | " | 2 | X | | | X | V00597 ~~V00596~~ ML 6-26-98 | " | |
| 6 | " " -18-54" | | 1158 | AQ. | 2 | X | | | | | " | HCL |
| 7 | M-5-B-163 - 6-12" | | 1315 | soil | 2 | | X | X | X | | " | |
| 8 | " - 19" | | 1330 | " | 2 | X | | | X | V00599 | " | |
| 9 | " - 20-56" | | 1345 | AQ. | 2 | X | | | | | " | HCL |
| 10 | M-5-B-164 - 6-12 | | 1425 | soil | 2 | | X | X | X | | " | |
| 11 | " " 24" | | 1430 | " | 2 | X | | | X | V00600 | " | |
| 12 | " - 36" | | 1440 | " | 2 | X | | | X | V00601 | " | |
| 13 ~~14~~ (ML 6-26-98) | " - 36"-72" | | 1450 | AQ | 2 | X | | | | | " | HCL |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mathura | 3-26-98 1530 | 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
Turnaround time: (X)Standard 4 wks, (_)Rush ___ Days, (_)ASAP Verbal ___ Hrs.

Remarks:

print legibly



# Fort Monmouth Envi. .nmental 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-5 LANDFILL

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

| Lab Sample I.D. | | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31688 | 1 | TRIP BLANK | 6-29-98 | | METH | 1 | X | | | | V00602 | | |
| | 2 | M-5-B-165 - 6-12" | | 1035 | SOIL | 2 | | X | X | X | | 0PPM | |
| | 3 | " - 24" | | 1045 | " | | X | | | X | V00603 | " | |
| | 4 | " 35" 36" NL | | 1050 | " | | X | | | X | V00604 | " | |
| | 5 | " - 3-6' | | 1100 | AQ. | | X | | | | | " | HCL |
| | 6 | M-5-B-166 - 6-12 | | 1127 | SOIL | | | X | X | X | | " | |
| | 7 | " - 24" | | 1135 | " | | X | | | X | V00620 | " | |
| | 8 | " - 26"-50" | | 1145 | AQ. | | X | | | | | " | HCL |
| | 9 | M-5-B-167 - 6-12" | | 1310 | SOIL | | | X | X | X | | " | |
| | 10 | " - 24" | | 1315 | " | | X | | | X | V00621 | " | |
| | 11 | " - 26-50" | | 1320 | AQ | | X | | | | | " | HCL |
| | 12 | M-5-B-168 - 6-12" | | 1335 | SOIL | | | X | X | X | | | |
| | 13 | " - 24" | | 1345 | " | | X | | | X | V00622 | | |
| | 14 | " - 26-50" | | 1355 | AQ | | X | | | | | | HCL |

ENTERED

**Comments:** Cal. HNU #2 - w/100 PPM ISOBUTYLENE OK. MC NO OVA

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 6-29-98 1530 | | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

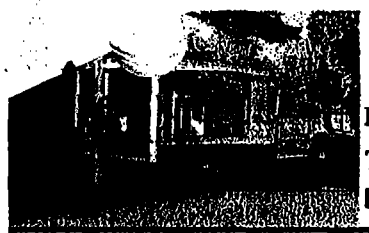
Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks: LOT #52868 @ B-165 - 2 oz.

27000



Custodydera6/15/98



# Fort Monmouth Envi. nmental 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 | Project No: IJN 98-0211 | Analysis Parameters | Comments: |
|---|---|---|---|
| Phone #: (732) 532-6223 | Location: M-5-LANDFILL | | see pg. 1 |
| (X)DERA ( )OMA ( )Other:_____ | | | |

| Samplers Name / Company : MARK LAURA / TVS PWS-007 | | | | Sample | # | VOA+15 | Metals | PEST PCB | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample I.D. | Sample Location | Date | Time | Type | bottles | | | | | | | |
| 36888 15 | M-5-B-169-6-12" | 6-29-98 | 1440 | Soil | 2 | | X | X | X | | APM | |
| 16 | " -24" | ↓ | 1450 | " | ↓ | X | | | X | V00623 | " | HCl |
| 17 | " -26-50" | ↓ | 1500 | " | ↓ | X | | | | | " | HCl |

ENTERED

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 6-29-98 1530 | [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: see pg. 1

000073

print legibly



Custodydera6/15/98



# 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-5 LANDFILL 682 AREA
**Samplers Name / Company : MARK LAURA / TVS PWS-007**

**Comments:** Cal #2 HNU w/100 ppm ISOBUTYLENE

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Metals | PEST PCB PAN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3697. 1 | TRIP BLANK | 7-6-98 | — | METH- | 1 | X | | | | V00627 | — | |
| 2 | M-5(682) B-170-6-12" | | 1050 | SOIL | 2 | | X | X | X | | 0 PPM | |
| 3 | " -24" | | 1100 | " | | X | | | X | V00628 | " | |
| 4 | " -47" | | 1105 | " | | X | | | X | V00629 | " | |
| 5 | " -4-7' | | 1110 | AQ. | | X | | | | | " | HCL |
| 6 | M-5(682) B-171-6-12" | | 1135 | SOIL | | | X | X | X | | " | |
| 7 | " -24" | | 1145 | " | | X | | | X | V00630 | " | |
| 8 | " -58" | | 1150 | " | | X | | | X | V00631 | " | |
| 9 | " -5-8' | | 1155 | AQ. | | X | | | | | " | HCL |
| 10 | M-5(682) B-172-6-12" | | 1310 | SOIL | | | X | X | X | | " | |
| 11 | " -24" | | 1315 | " | | X | | | X | V00632 | " | |
| 12 | " -58" | | 1320 | " | | X | | | X | V00633 | " | |
| 13 | " -5-8' (MW) ~~6-12~~ | | 1330 | AQ. | | X | | | | | " | HCL |
| 14 | M-5(682) B-173-6-12" | | 1405 | SOIL | | | X | X | X | | " | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 7-6-98 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: 40z. JARS LOT #-32798
2 oz. " " #-52898

print legibly



# 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** | 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 | Meta Als | PEST PCB PAN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3697 15 | M-5(682) B-173 - 24" | 7-6-98 | 1410 | soil | 2 | X | | | X | V00634 | | |
| 16 | " - 58" | ↓ | 1415 | " | ↓ | X | | | X | V00635 | | |
| 17 | " - 5-8' | ↓ | 1420 | AQ. | ↓ | X | | | | | | |
| | | | | | | 1 | | | | | | |

Comments: see Pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 7-6-98 1445 | [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: see Pg. 1

S40075

print legibly



# 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-5 LANDFILL

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3714 1 | Trip Blank | 7-9-98 | | meth. | 1 | | | 24 ML | | V00636 | | |
| 2 | Field Blank-S.T. | | 1340 | AQ. | 2 | X | X | X | | | | HCL |
| 3 | " " -G.W. | | 1345 | " | | X | | | | | | HCL |
| 4 | M-5-682-B-174-6-12" | | 1400 | soil | | | X | X | X | | 0 ppm | |
| 5 | " - 24" | | 1410 | " | | X | | | X | V00637 | " | |
| 6 | " - 45" | | 1415 | " | | X | | | X | V00638 | " | |
| 7 | " - 4-7 | | 1425 | AQ. | | X | | | | | " | HCL |
| 8 | M-S 682-B-175- 6-12" | | 1500 | soil | | | X | X | X | | " | |
| 9 | " - 24" | | 1510 | " | | X | | | X | V00639 | " | |
| 10 | " - 47" | | 1515 | " | | X | | | X | V00640 | " | |
| 11 | " - 4-7' | | 1525 | AQ. | | X | | | | | " | HCL |

**Comments:**
HNU #2 CAL CO
100 PPM ISOBUTYLENE
O.K. MC

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 7-9-98 1540 | J. Ulrich | | | |
| 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:

920000

print legibly



Custodydera6/15/98



# 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-5 LANDFILL (676 + MAIN LANDFILL)

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

**Comments:** Cal #2 HNA @ 100 PPM w/ISOBUTYLENE

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Metals | PEST PCB N | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3722 1 | TRIP BLANK | 7-13-98 | — | METH | 1 | X | | | | V00649 | | |
| 2 | FIELD BLANK-SIT. | | 0850 | AQ. | 2 | X | | | | | | HCL |
| 3 | " " -G.W. | | 0900 | " | | X | | | | | | " |
| 4 | M-5(676)B-176 C-6' | | 0935 | SOIL | | | X | X | X | | 0 PPM | |
| 5 | " -2' | | 0940 | " | | X | | | X | V00650 | " | |
| 6 | " -8' | | 0950 | " | | X | | | X | V00651 | " | |
| 7 | " -7-10' | | 1000 | AQ | | X | | | | | " | HCL |
| 8 | M-5(676)B-177 - 0-6' | | 1040 | SOIL | | | X | X | X | | " | |
| 9 | " -24" | | 1050 | " | | X | | | X | V00652 | " | |
| 10 | " -8' | | 1100 | " | | X | | | X | V00653 | " | |
| 11 | " 1-10' | | 1110 | AQ. | | X | | | | | " | HCL |
| 12 | M-5-B-178 -6-12 | | 1345 | SOIL | | | X | X | X | | " | |
| 13 | " -24'~~30'~~ | | 1350 | " | | X | | | X | V00654 | " | |
| 14 | " -~~30'~~ 25-55' | | 1400 | AQ. | | X | | | | | " | HCL |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 7-13-98 1610 | | | | |
| 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.

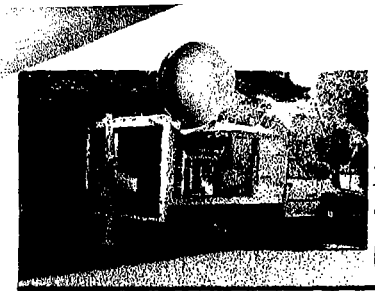
Remarks:

220000

print legibly



Custodydera6/15/98



# 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-5 LANDFILL

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

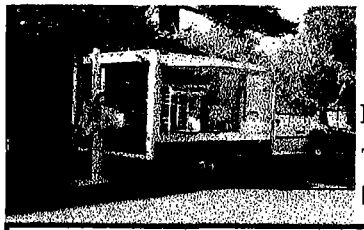
| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Metals | PEST BN | %SOLID | VOA ID NUMBER | OVA | Comments: Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3722 15 | M-5-B-179 - 6-12" | 7-13-98 | 1415 | soil | 2 | | X | X | X | | | |
| 16 | " - 24" | | 1425 | " | | X | | | X | V00655 | | |
| 17 | " - 25-55' | | 1435 | AQ. | | X | | | | | | HCL |
| 18 | M-5-B 180 - 6-12" | | 1510 | soil | | | X | X | X | | | |
| 19 | " - 24" | | 1515 | " | | X | | | X | V00656 | | |
| 20 | " - 25-55' | | 1525 | AQ | | X | | | | | | HCL |
| 21 | M-5-B-181 - 6-12" | | 1540 | soil | | | X | X | X | | | |
| 22 | " - 24" | | 1545 | " | | X | | | X | V00657 | | |
| 23 | " - 25-55' | | 1555 | AQ. | | X | | | | | | HCL |
| 24 | FIELD DUP - 6-12" | | - | soil | | | X | X | X | | | |
| 25 | " - 24" | | - | " | | X | | | X | V00659 | | |
| 26 | " - 25-55' | | - | AQ. | | X | | | | | | HCL |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Matthew | 7-13-98 1610 | | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

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

Remarks:

print legibly



# 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-S LANDFILL 682 AREA

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTCB | PAABN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3790, 1 | TRIP BLANK | 5-6-98 | | METH. | 1 | X | | | | | V00797 | | |
| 2 | M-S(682) B-182 6-12" | | 1110 | SOIL | 2 | | X | X | | X | | 0 PPM | <4°C |
| 3 | " 24" | | 1115 | " | 2 | X | | | | X | V00798 | " | |
| 4 | " 73" | | 1125 | " | " | X | | | | X | V00799 | " | ↓ |
| 5 | " 6-8" | | 1135 | AQ | " | X | | | | | | " | HCL |
| 6 | M-S(682) B-183 6-12" | | 1300 | SOIL | " | | X | X | | X | | " | <4°C |
| 7 | " 24" | | 1310 | " | " | X | | | | X | V00800 | " | ↓ |
| 8 | " 73" | | 1315 | " | " | X | | | | X | V00801 | " | |
| 9 | " 6-8" | | 1325 | AQ | " | X | | | | | | " | HCL |
| 10 | M-S(682) B-184 6-12" | | 1415 | SOIL | " | | X | X | | X | | " | <4°C |
| 11 | " 24" | | 1420 | " | " | X | | | | X | V00802 | " | ↓ |
| 12 | " 78" | | 1430 | " | " | X | | | | X | V00803 | " | |
| 13 | " 6-8' | | 1440 | AQ | " | X | | | | | | " | HCL |
| 14 | M-S(682) B-185 6-12" | | 1515 | SOIL | " | | X | X | | X | | " | |

**Comments:**
CK. HNU #2 W/ISOBUTYLENE @ 100 P.M. O.K. – (ML)

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 5-6-98 1600 | [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.

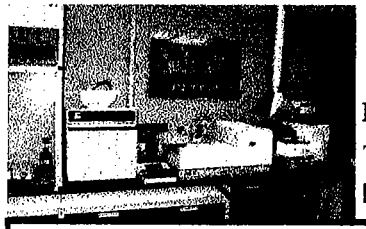
Remarks: 2 oz. JARS LOT # – 052898
4 oz. " " – 072398

620000

print legibly



Custodydera.xls6/9/98



# 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
**Phone #:** X26623
(√)DERA ( )OMA ( )Other:_____
Project No:
Location: M-5 LANDFILL 682 AREA
**Samplers Name / Company :** MARK LAURA/TVS FWIS 007

**Analysis Parameters**

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | TAL METALS | PP PCB ECSB 1 | % SOLID | | HNU | | | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37190.15 | M-5(682)B-185' 24" | 8-6-98 | 1520 | SOIL | 2 | X | | | X | (MS) | 0 PPM | | | VOO 804 <4°C |
| 16 | " - 73" | ↓ | 1530 | " | " | X | | | X | | " | | | VOO 805 ↓ |
| 17 | " - 6-8' | ↓ | 1540 | AQ | " | X | | | | | " | | | HCL |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

**Comments:** See pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mary Jane | 8-6-98 1600 | | | | |
| 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: (_)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____Hrs.

Remarks: See pg. 1

080000

print legibly



coc.XLS7/31/98



# 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-5 LANDFILL 682 + 676 AREA

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

**Comments:** Cal. HNU #2 w/ISOBUTYLENE @ 100 PPM O.K. (ML)

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST PCB | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3791.01 | TRIP BLANK | 8-7-98 | | METH. | 1 | X | | | | V00806 | | |
| .02 | M-5(682)B-186 6-12" | | 0900 | SOIL | 2 | | X | X | X | | 0 PPM | <4°C |
| .03 | " 24" | | 0910 | " | " | X | | | X | V00807 | " | |
| .04 | " 73" | | 0915 | " | " | X | | | X | V00808 | " | |
| .05 | " 6.5-9.5' | | 0925 | AQ. | " | X | | | | | " | HCL |
| .06 | M-5(682)B-187 6-12" | | 1015 | SOIL | " | | X | X | X | | " | <4°C |
| .07 | " 24" | | 1020 | " | " | X | | | X | V00809 | " | |
| .08 | " 80" | | 1025 | " | " | X | | | X | V00810 | " | |
| .09 | " 6.5-9.5' | | 1035 | AQ. | " | X | | | | | " | HCL |
| .10 | M-5(676) B-188 6-12" | | 1115 | SOIL | " | | X | X | X | | | <4°C |
| .11 | " 24" | | 1125 | " | " | X | | | X | V00811 | | |
| .12 | " | | 1130 | " | " | X | | | X | V00812 | | |
| .13 | " | | 1200 | AQ. | 4 | X | | | | | | HCL |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 8-7-98 1230 | [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.

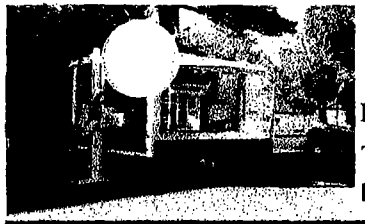
Remarks:

000081

print legibly



Custodydera.xls8/7/98



# Fort Monmouth Envi nmental 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-S LANDFILL BLDG. 676

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

| Lab Sample I.D. | | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST BN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3797 | 1 | TRIP BLANK | 8/10/98 | | METH. | 1 | X | | | | V00813 | | <4°C |
| | 2 | FIELD BLANK S.T. | | 0920 | AQ. | 2 | X | | | | | | TAKEN FROM 2" X 4' SOIL TUBE |
| | 3 | " " G.W. | | 0925 | " | " | X | | | | | | TAKEN FROM 1" P.V.C SCREEN |
| | 4 | M-S(676) B189 6-12" | | 1010 | SOIL | " | | X | X | X | | c PPM | <4°C |
| | 5 | " 24" | | 1015 | " | " | X | | | X | V00814 | " | |
| | 6 | " 78" | | | " | " | X | | | X | V00815 | " | |
| | 7 | " 6.5-9.5' | | 1025 | AQ | " | X | | | | | " | HCL |
| | 8 | M-S(676) B 190 6-12" | | 1140 | SOIL | " | | X | X | X | | " | <4°C. |
| | 9 | " 24" | | 1145 | " | " | X | | | X | V00816 | " | |
| | 10 | " 78' | | 1150 | " | " | X | | | X | V00817 | " | |
| | 11 | " 6.5-9.5' | | 1200 | AQ | " | X | | | | | " | HCL |
| | 12 | M-S(676) B 191 6-12" | | 1315 | SOIL | " | | X | X | X | | " | <4°C |
| | 13 | 24' | | 1320 | " | " | X | | | X | V00818 | " | |
| | 14 | 78' | | 1330 | " | " | X | | | X | V00819 | " | |

ENTERED

**Comments:**
Cool HNU
# 2 w/ ISOBUTYLENE (@ 100 PPM - OK. MC)

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | 8-10-98 1160 | | | | |
| 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.

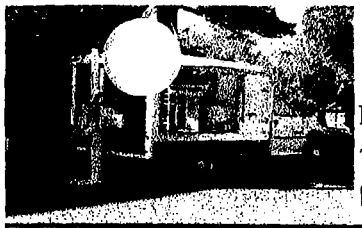
Remarks:

000082

print legibly



Custodydera.xls8/7/98



# Fort Monmouth Envi nmental 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-S Landfill Bldg 676

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

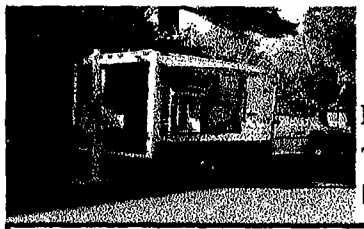
| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3797 15 | M-S(676) B191 6.5-9.5' | 5 19 98 | 1340 | AQ. | 2 | X | | | | | 0 PPM | HCL |
| 16 | M-S(676) B 192 6-12" | | 14 15 | SOIL | | | X | X | X | | " | 4°C |
| 17 | " 24" | | 14 20 | " | | X | | | X | V00820 | " | |
| 18 | " 78" | | 14 50 | " | | X | | | X | V00821 | " | |
| 19 | " 6.5-9.5' | | 1440 | AQ. | | X | | | | | " | HCL |
| 20 | M-S(677) B 193 6-12" | | 1505 | SOIL | 1 | | X | X | X | | " | 4°C |
| 21 | " 24" | | 1515 | " | | X | | | X | V00822 | " | |
| 22 | " 36" | | 1520 | " | | X | | | X | V00823 | " | |
| 23 | " 3-6' | | 1540 | AQ. | | X | | | | | " | HCL |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 5-10-98 1600 | [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:

000083



# 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-5 LANDFILL 697 AREA *

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

**Comments:** HNU #2 O.K. (MC)

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTBN | PCB SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3893 1 | TRIP BLANK | 8-11-98 | — | MEOH. | 1 | X | | | | V00826 | — | <4°C |
| 2 | M-5(697) B-194 6-12" | | 1315 | SOIL | 2 | | X | X | X | | 0 PPM | |
| 3 | " 24" | | 1320 | " | | X | | | X | V00827 | " | |
| 4 | " 72" | | 1325 | " | | X | | | X | V00828 | " | |
| 5 | " 65-9.5' | | 1335 | AQ. | | X | | | | | " | HCL |
| 6 | M-5(697) B-195 6-12" | | 1410 | SOIL | | | X | X | X | | " | <4°C |
| 7 | " 24" | | 1420 | " | | X | | | X | V00829 | " | |
| 8 | " 82" | | 1425 | " | | X | | | X | V00830 | " | |
| 9 | " 7-10' | | 1435 | AQ. | | X | | | | | " | HCL |
| 10 | M-5(697) B-196 6-12" | | 1515 | SOIL | | | X | X | X | | " | <4°C |
| 11 | " 24" | | 1520 | " | | X | | | X | V00831 | " | |
| 12 | " 82" | | 1525 | " | | X | | | X | V00832 | " | |
| 13 | " 7-10' | | 1535 | AQ. | | X | | | | | " | HCL |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 8-11-98 1600 | J Homol | | | |
| 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: * BORINGS IN M-8 LANDFILL AREA - RELATES TO SAMPLE RESULTS - M-5 697 AREA

000084

print legibly



Custodydera.xls8/7/98



# 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-5 LANDFILL MAIN LANDFILL

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

**Comments:** Cal #2 HNU O.K. (MC)

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Meta ls | PEST PCB AN | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3805. 1 | TRIP BLANK | 8-12-98 | — | METH. | 1 | X | | | | V00837 | | 4°C |
| 2 | M-5-197 6-12" | | 0935 | SOIL | 2 | | X | X | X | | | |
| 3 | " 24" | | 0940 | | | X | | | X | V00838 | | |
| 4 | M-5-198 6-12" | | 0957 | | | | X | X | X | | | |
| 5 | " 24" | | 0955 | | | X | | | X | V00839 | | |
| 6 | M-5-199 6-12" | | 1012 | | | | X | X | X | | | |
| 7 | " 24" | | 1015 | | | X | | | X | V00840 | | |
| 8 | M-5-200 6-12" | | 1035 | | | | X | X | X | | | |
| 9 | " 24" | | 1040 | | | X | | | X | V00841 | | |
| 10 | M-5-201 6-12" | | 1105 | | | | X | X | X | | | |
| 11 | " 24" | | 1110 | | | X | | | X | V00842 | | |
| 12 | M-5-202 6-12" | | 1132 | | | | X | X | X | | | |
| 13 | " 24" | | 1137 | | | X | | | X | V00843 | | |
| 14 | M-5-203 6-12" | | 1259 | | | | X | X | X | | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 8-12-98 1600 | [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: LOT #042298 - 2 oz. JARS
LOT #072398 - 4 oz JARS

000085

print legibly



Custodydera.xls8/7/98



# 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-5 LANDFILL MAIN LANDFILL

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST PCB PAN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3805 15 | M-5-203 24" | 8-12-98 | 1302 | soil | 2 | X | | | X | V00844 | 0ppm | C4°C |
| 16 | M-5-204 6-12" | | 1317 | | | | X | X | X | | 0 | |
| 17 | " 24" | | 1320 | | | X | | | X | V00845 | 0 | |
| 18 | M-5-205 6-12" | | 1334 | | | | X | X | X | | 0 | |
| 19 | " 24" | | 1338 | | | X | | | X | V00846 | 0 | |
| 20 | M-5-206 6-12" | | 1350 | | | | X | X | X | | 0 | |
| 21 | " 24" | | 1355 | | | X | | | X | V00847 | 0 | |
| 22 | M-5-207 6-12" | | 1429 | | | | X | X | X | | 0 | |
| 23 | " 24" | | 14:[illegible] | | | X | | | X | V00848 | 0 | |
| 24 | M-5-208 6-12" | | 1429 | | | | X | X | X | | 0 | |
| 25 | " 24" | | 1437 | | | X | | | X | V00849 | 0 | |
| 26 | M-5-209 6-12" | | 1453 | | | | X | X | X | | 0 | |
| 27 | " 24" | | 1505 | | | X | | | X | V00850 | 0 | |
| 28 | M-5-210 6-12" | | 1514 | | | | X | X | X | | 0 | |

**Comments:** see pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 8-12-98 1600 | [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: see pg. 1

980000



# 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-5 Land Fill
Main Land Fill

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

**Comments:** see pg. 1

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3805 29 | M-5-210 24" | 8-12-98 | 1520 | soil | 2 | X | | | X | V00851 | 0 PPM | 4°C |
| 30 | M-5-211 6-12" | ↓ | 1530 | | 1 | | X | X | X | | " | ↓ |
| 31 | " 24" | ↓ | 1540 | | ↓ | X | | | X | V00852 | " | |
| 32 | Field Dup 6-12" | ↓ | — | | 2 | | X | X | X | | | |
| 33 | " 24" | ↓ | — | | 1 | X | | | X | (V00853) | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 8-13-98 1600 | [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: see pg. 1

000087

print legibly



Custodydera.xls8/7/98



3809

# 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-5 Landfill

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

**Comments:** Cal Hnu #2 O.K. (MLL)

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST PCB | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3809. 1 | TRIP BLANK | 8-13-98 | | METH. | 1 | X | | | | V00853 | 0 PPM | <4°C |
| 2 | M-5-212 6-12" | | 1044 | SOIL | 2 | | X | X | X | | " | |
| 3 | " 24" | | 1048 | | | X | | | X | V00854 | " | |
| 4 | M-5-213 6-12" | | 1108 | | | | X | X | X | | " | |
| 5 | " 24" | | 1113 | | | X | | | X | V00856 | " | |
| 6 | M-5-214 6-12" | | 1125 | | | | X | X | X | | " | |
| 7 | " 24" | | 1128 | | | X | | | X | V00857 | " | |
| 8 | M-5-215 6-12" | | 1150 | | | | X | X | X | | " | |
| 9 | " 24" | | 1155 | | | X | | | X | V00858 | " | |
| 10 | M-5-216 6-12" | | 1306 | | | | X | X | X | | " | |
| 11 | " 24" | | 1310 | | | X | | | X | V01859 | " | |
| 12 | M-5-217 6-12" | | 1320 | | | | X | X | X | | " | |
| 13 | " 24" | | 1325 | | | X | | | X | V00860 | " | |
| 14 | M-5-218 6-12" | | 1345 | | | | X | X | X | | " | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 8-13-98 1605 | [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:

3809



# 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-5 LANDFILL

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

| Lab Sample I.D. | | Sample Location | | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Met Tals | PEST PCB PAN | %SOLID | VOA ID NUMBER | OVA | Comments: see pg. 1 / Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3809 | 15 | M-5-218 | 24" | 8-13-98 | 1350 | soil | 2 | X | | | X | V00861 | ppm | |
| | 16 | M-5-219 | 6-12" | | 1406 | | | | X | X | X | | " | |
| | 17 | " | 24" | | 1410 | | | X | | | X | V00862 | " | |
| | 18 | M-5-220 | 6-12" | | 1430 | | | | X | X | X | | " | |
| | 19 | " | 24" | | 1440 | | | X | | | X | V00863 | " | |
| | 20 | M-5-221 | 6-12" | | 1520 | | | | X | X | X | | " | |
| | 21 | " | 24" | | 1525 | | | X | | | X | V00864 | " | |
| | 22 | M-5-222 | 6-12" | | 1535 | | | | X | X | X | | " | |
| | 23 | " | 24" | | 1545 | | | X | | | X | V00865 | " | |
| | 24 | FIELD DUP | 6-12" | | — | | | | X | X | X | | " | |
| | 25 | " | 24" | ↓ | " | ↓ | ↓ | X | | | X | V00882 | " | |
| | | | | | | | | | | | | | " | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 8-13-98 1605 | [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:

680000

print legibly



Custodydera.xls8/7/98



# 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-5 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3812 | 1 | TRIP BLANK | 8-14-98 | — | WATER | 1 | X | | | | V00866 | 9PPM | 4°C |
| | 2 | M-5 - 223 6-12" | | 1007 | SOIL | 2 | | X | X | X | V00(MW) | 11 | |
| | 3 | " 24" | | 1010 | | | X | | | X | V00867 | 11 | |
| | 4 | M-5 - 224 6-12" | | 1022 | | | | X | X | X | | 11 | |
| | 5 | " 24" | | 1026 | | | X | | | X | V00868 | " | |
| | 6 | M-5-225 6-12" | | 1046 | | | | X | X | X | | 11 | |
| | 7 | " 24" | | 1050 | | | X | | | X | V00869 | " | |
| | 8 | M-5-226 6-12" | | 1108 | | | | X | X | X | | | |
| | 9 | " 24" | | 1110 | | | X | | | X | V00870 | | |
| | 10 | M-5-227 6-12" | | 1118 | | | | X | X | X | | | |
| | 11 | " 24" | | 1122 | | | X | | | X | V00871 | | |
| | 12 | M-5-228 6-12" | | 1145 | | | | X | X | X | | | |
| | 13 | " 24" | | 1150 | | | X | | | X | V00872 | | |
| | 14 | M-5 228 6-12" | | 1315 | | | | X | X | X | | | |

**Comments:** Cal. #2 HNU w/100 PPM ISO-O.K. (MW)

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | 8-14-98 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.

Remarks: * CAUTION: GLASS FRAGS. IN SAMPLES

print legibly



Custodydera.xls8/12/98



# 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-5 LANDFILL *

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST PCB PAN | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3812 15 | M-5 - 229 24" | 8-14-98 | 1320 | soil | 2 | X | | | X | V00873 | 0 ppm | 4°c |
| 16 | M-5-230 6-12" | | 1340 | | | | X | X | X | | " | |
| 17 | " 24" | | 1345 | | | X | | | X | V00874 | " | |
| 18 | M-5-231 6-12" | | 1419 | | | | X | X | X | | " | |
| 19 | " 24" | | 1424 | | | X | | | X | V00875 | " | |
| (MS 20) | | | | | | | | | | | | |

**Comments:** see pg 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 8-14-98 1530 | [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: * CAUTION- GLASS FRAGS IN SAMPLES

000091

print legibly



Custodydera.xls8/12/98



# 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-5 LANDFILL

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

**Comments:** Cal. #2 HNu w/100 PPM ISO BUT. O.K. MAL

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Metals | PEST PCB AN | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3827. 1 | TRIP BLANK | 8-25-98 | — | METH. | 1 | X | | | | | | |
| 2 | M-5-232 6-12" | | 1345 | SOIL | 2 | | X | X | X | | 0 PPM | <40c |
| 3 | " 24" | | 1353 | | | X | | | X | V00908 | " | |
| 4 | M-5-233 6-12" | | 1415 | | | | X | X | X | | " | |
| 5 | " 24" | | 1420 | | | X | | | X | V00909 | " | |
| 6 | M-5-234 6-12" | | 1435 | | | | X | X | X | | " | |
| 7 | " 24" | | 1440 | | | X | | | X | V00910 | " | |
| 8 | M-5-235 6-12" | | 1509 | | | | X | X | X | | " | |
| 9 | " 24" | | 1513 | | | X | | | X | V00911 | " | |
| 10 | M-5-236 6-12" | | 1520 | | | | X | X | X | | " | |
| 11 | " 24" | | 1530 | | | X | | | X | V00912 | " | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 8-25-98 1545 | J. Vaughan | | | |
| 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:

000092

print legibly



Custodydera.xls8/24/98



# 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-5 LANDFILL

**Samplers Name / Company ; MARK LAURA / TVS PWS-007**

**Comments:** Cal. #2 HNU w/ISOBUTYLENE - 100 PPM O.K Mark Laura

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3836. 1 | TRIP BLANK | 8-26-98 | — | METH. | 1 | X | | | | V00917 | | 4°C |
| 2 | M-5-237 6-12" | | 0850 | SOIL | 2 | | X | X | X | | HNU .02 | |
| 3 | " 24" | | 0856 | | | X | | | X | V00918 | 0 PPM | |
| 4 | M-5-238 6-12" | | 0917 | | | | X | X | X | | " | |
| 5 | " 24" | | 0920 | | | X | | | X | V00919 | " | |
| 6 | M-5-239 6-12" | | 0942 | | | | X | X | X | | " | |
| 7 | " 24" | | 0950 | | | X | | | X | V00920 | " | |
| 8 | M-5-240 6-12" | | 1012 | | | | X | X | X | | " | |
| 9 | " 24" | | 1018 | | | X | | | X | V00921 | " | |
| 10 | M-5-241 6-12" | | 1040 | | | | X | X | X | | " | |
| 11 | " 24" | | 1045 | | | X | | | X | V00922 | " | |
| 12 | M-5-242 6-12" | | 1108 | | | | X | X | X | | " | |
| 13 | " 24" | | 1112 | | | X | | | X | V00923 | 5 PPM | HNU |
| 14 | M-5-243 6-12" | | 1132 | | | | X | X | X | | 0 PPM | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 8-27-98 730 | J. Vaughan | | | |
| 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:

000093

print legibly



Custodydera.xls8/24/98



# 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** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-5 LANDFILL
**(X)DERA ( )OMA ( )Other:**_____
**Samplers Name / Company : MARK LAURA / TVS PWS-007**

Analysis Parameters: VOA+15 | Metals | PEST PCB AN | % SOLID | VOA ID NUMBER | OVA

**Comments:** see pg. 1

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3836 15 | M-5-243 24" | 8-26-98 | 1138 | SOIL | 2 | X | | | X | V00924 | 8PPM | <4°C |
| 16 | M-5-244 6-12" | | 1315 | | | | X | X | X | | " | |
| 17 | " 24" | | 1320 | | | X | | | X | V00925 | " | |
| 18 | M-5-245 6-12" | | 1337 | | | | X | X | X | | " | |
| 19 | " 24" | | 1342 | | | X | | | X | V00926 | " | |
| 20 | M-5-246 6-12" | | 1355 | | | | X | X | X | | " | |
| 21 | " 24' | | 1358 | | | X | | | X | V00927 | " | |
| 22 | M-5-247 6-12" | | 1410 | | | | X | X | X | | " | |
| 23 | " 24" | | 1415 | | | X | | | X | V00928 | " | |
| 24 | M-5-248 6-12" | | 1430 | | | | X | X | X | | " | |
| 25 | " 24" | | 1436 | | | X | | | X | V00929 | " | |
| 26 | M-5-249 6-12" | | 1448 | | | | X | X | X | | " | |
| 27 | " 24" | | 1450 | | | X | | | X | V00931 | " | |
| 28 | M-5-250 6-12" | | 1508 | | | | X | X | X | | " | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | 8-27-98 1130 | | | | |
| 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:

000094

print legibly



Custodydera.xls8/24/98



# 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-5 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3836. 29 | M-5-250 24" | 8-26-98 | 1514 | soil | 2 | X | | | X | V00932 | 0 PPM | <4°C |
| 30 | M-5-251 6-12" | | 1527 | | | | X | X | X | | " | |
| 31 | " 24" | | 1532 | | | X | | | X | V00913 | " | |
| 32 | M-5-252 6-12" | | 1545 | | | | X | X | X | | " | |
| 33 | " 24" | | 1550 | | | X | | | X | V00914 | " | |
| 34 | M-5-253 6-12" | | 1608 | | | | X | X | X | | " | |
| 35 | " 24" | | 1613 | | | X | | | X | V00915 | " | |
| 36 | M-5-254 6-12" | | 1620 | | | | X | X | X | | " | |
| 37 | " 24" | | 1625 | | | X | | | X | V00916 | " | |
| 38 | FIELD DUP. 6-12" | | — | | | | X | X | X | ~~V00930~~ (MW) | " | |
| 39 | " 24" | | — | | | X | | | X | V00930 | " | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | 8/27/98 730 | | | | |
| 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.

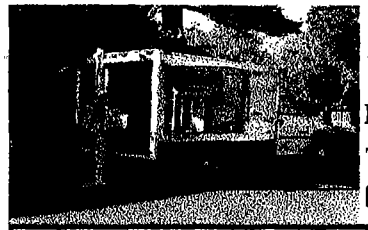
Remarks:

000095

print legibly



Custodydera.xls8/24/98



3839

# 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** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: M-5-682 AREA 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 | PESTPCBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3839. 1 | TRIP BLANK | 8-27-98 | | WATER | 1 | X | | | | V00933 | | <4°C |
| 2 | FIELD BLANK S.T. | " | 1030 | AQ. | 2 | X | | | | | | HCL |
| 3 | FIELD BLANK G.W. | " | 1045 | AQ. | " | X | | | | | | " |
| 4 | M-5-682-2.5.5 6-12" | " | 1120 | SOIL | | | X | X | X | | 0 PPM | <4°C |
| 5 | " 24" | " | 1130 | " | | X | | | X | V00934 | " | " |
| 6 | " 70" | " | 1135 | " | | X | | | X | V00935 | " | " |
| 7 | " 5.5-6.5' | " | 1145 | AQ. | | X | | | | | " | HCL |
| 8 | M-5-682-256 6-12" | " | 1310 | SOIL | | | X | X | X | | " | <4°C |
| 9 | " 24" | " | 1315 | " | | X | | | X | V00936 | HNU .02 | " |
| 10 | " 70" | " | 1320 | " | | X | | | X | V00937 | 0 PPM | " |
| 11 | " 5.5-6.5' | " | 1330 | AQ. | | X | | | | | " | HCL |
| 12 | M-5-682-257 6-12" | " | 1355 | SOIL | | | X | X | X | | | <4°C |
| 13 | " 24" | " | 1400 | " | | X | | | X | V00938 | | " |
| 14 | " 70" | " | 1405 | " | | X | | | X | V00939 | | " |

**Comments:** Cal #2 HNU w/100 PPM ISOBUTYLENE OK Mark Laura

| Relinquished by (signature) | Date/Time: | Received by (signature) | Relinquished by (signature) | Date/Time: | Received by (signature) |
|---|---|---|---|---|---|
| Mark Laura | 8-27-98 1400 | J. Velazquez | | | |
| | | | | | |
| 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.

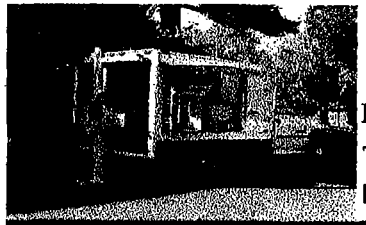
Remarks:

960000

print legibly



Custodydera.xls8/24/98



3839

# 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-5 LANDFILL 687 AREA

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

**Comments:** acc fg 1

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Metals | PESTPCBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3839 15 | M-5-682-257 5.5-8.5' | 5-27-98 | 1410 | AQ. | 2 | X | | | | | 9PM | HCL |
| 16 | M-5-682-255 6-12" | | 1435 | SOIL | | | X | X | X | | " | <4°C |
| 17 | " 24" | | 1440 | " | | X | | | X | V00940 | " | " |
| 18 | " 70' | | 1450 | " | | X | | | X | V00941 | " | " |
| 19 | " 5.5-8.5' | | 1500 | AQ. | | X | | | | | " | HCL |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 5-27-98 1600 | [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:

000097

print legibly



Custodydera.xls8/24/98



# 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-5-682-LANDFILL

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

**Comments:** Cal. # 2 1ml W/100 ml DI H2O (HCl)

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3844 1 | TRIP BLANK | 5-28-98 | — | WATER | 1 | X | | | | V00942 | | <4°C |
| 2 | M-5-682-25' 6-12" | | 0910 | SOIL | 2 | | X | X | X | | PPM | " |
| 3 | " 24" | | 0915 | " | | X | | | X | V00943 | " | " |
| 4 | " 70" | | 0920 | " | | X | | | X | V00944 | " | " |
| 5 | " 8.5-8.5' | | 0925 | AQ. | | X | | | | | " | HCl |
| 6 | M-5-682-260 6-12" | | 1000 | SOIL | | | X | X | X | | " | <4°C |
| 7 | " 24" | | 1010 | " | | X | | | X | V00945 | " | " |
| 8 | " 70" | | 1015 | " | | X | | | X | V00946 | " | " |
| 9 | " 8.5-8.5' | | 1020 | AQ. | | X | | | | | " | HCl |
| 10 | M-5-682-261 6-12" | | 1049 | SOIL | | | X | X | X | | 4 | <4°C |
| 11 | " 24" | | 1105 | " | | X | | | X | V00947 | 4 | " |
| 12 | " 70" | | 1110 | " | | X | | | X | V00948 | 4 | " |
| 13 | " 8.5-8.5' | | 1115 | AQ. | | X | | | | | 4 | HCl |
| 14 | M-5-~~682~~ 676-262 6-12" | | 1325 | SOIL | | | X | X | X | | 4 | <4°C |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | 5-28-98 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.

Remarks:



# 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-S 676 AREA LANDFILL

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | Analysis Parameters: VOA+15 | Met Tals | PEST PCB PAN | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3844 15 | M-5-676-262 24" | 9-25-98 | 1335 | Soil | 2 | X | | | X | V00949 | PPM | 4°C |
| 16 | " 76" | ↓ | 1345 | " | ↓ | X | | | X | V00950 | " | " |
| 17 | " 65-95' | ↓ | 1450 | QA | ↓ | X | | | | | " | HCl |

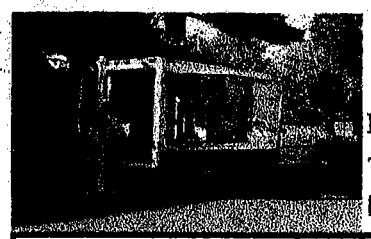
**Comments:** ALL PO 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 9-28-98 1530 | [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:

000099



# 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-5 LANDFILL 676 + 697 AREA

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3847. 1 | TRIP BLANK | 8-31-98 | — | METH. | 1 | X | | | | V00951 | | <4°C |
| 2 | M-5-676-263 6-12" | | 1035 | SOIL | 2 | | X | X | X | | 0 PPM | " |
| 3 | " 24" | | 1045 | " | | X | | | X | V00952 | " | " |
| 4 | " 94" | | 1055 | " | | X | | | X | V00953 | " | " |
| 5 | " 8-10' | | 1105 | AQ. | | X | | | | | " | HCL |
| 6 | M-5-676-264 6-12" | | 1130 | SOIL | | | X | X | X | | " | <4°C |
| 7 | " 24" | | 1140 | " | | X | | | X | V00954 | " | " |
| 8 | " 94" | | 1145 | " | | X | | | X | V00955 | " | " |
| 9 | " 8-10' | | 1250 | AQ. | | X | | | | | " | HCL |
| 10 | M-5-676-265 6-12" | | 1315 | SOIL | | | X | X | X | | " | <4°C |
| 11 | " 24" | | 1320 | " | | X | | | X | V00956 | " | " |
| 12 | " 94" | | 1325 | " | | X | | | X | V00957 | " | " |
| 13 | " 8-10' | | 1330 | AQ | | X | | | | | " | HCL |
| 14 | M-5-676-266 6-12" | | 1515 | SOIL | | | X | X | X | | " | <4°C |

**Comments:** Cal # 2 HNU w/100 PPM isobutylene O.K. (MD)

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mathew | 9-1-98 0730 | 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.

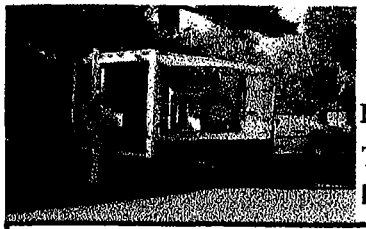
Remarks:

000100

print legibly



Custodydera.xls8/12/98



# 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-5 LANDFILL 676 + 697 AREAS

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3847.15 | M-5-697-266 24" | 8-31-98 | 1520 | soil | 2 | X | | | X | V00958 | 0 ppm | <4°c |
| 16 | " 48" | | 1525 | " | | X | | | X | V00959 | " | " |
| 17 | " 4-7' | | 1530 | AQ | | X | | | | | " | HCL |
| 18 | M-5-697-267 6-12" | | 1610 | soil | | | X | X | X | | " | <4°c |
| 19 | " 24" | | 1620 | " | | X | | | X | V00960 | " | " |
| 20 | " 48" | | 1625 | " | | X | | | X | V00961 | " | " |
| 21 | " 4-7' | | 1635 | AQ | | X | | | | | " | HCL |
| 22 | M-5-697-268 6-12" | | 1700 | soil | | | X | X | X | | " | <4°c |
| 23 | " 24" | | 1705 | " | | X | | | X | V00962 | " | " |
| 24 | " 48" | | 1715 | " | | X | | | X | V00963 | " | " |
| 25 | " 4-7' | | 1725 | AQ | | X | | | | | " | HCL |

**Comments:** see pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 8-1-98 0730 | [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:

000101



# 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-5 LANDFILL 675 + 676 AREA

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

**Comments:** Cal #2 HNU @ 100 PPM w/ ISOBUT. 0.K (MC)

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3872. 1 | TRIP BLANK | 9-10-98 | — | METH. | 1 | X | | | | V00999 | | <4°C |
| 2 | M-5-675-269 6-12" | | 1046 | SOIL | 2 | | X | X | X | | 0 PPM | " |
| 3 | " 24" | | 1058 | " | | X | | | X | V0001 | " | " |
| 4 | " 76" | | 1105 | " | | X | | | X | V0002 | " | " |
| 5 | " 7-10" | | 1118 | AQ | | X | | | | | " | HCl |
| 6 | M-5-675-270 6-12" | | 1250 | SOIL | | | X | X | X | | " | <4°C |
| 7 | " 24" | | 1255 | " | | X | | | X | V0003 | " | " |
| 8 | " 76" | | 1303 | " | | X | | | X | V0004 | " | " |
| 9 | " 7-10' | | 1311 | AQ | | X | | | | | " | HCl |
| 10 | M-5-676-271 6-12" | | 1400 | SOIL | | | X | X | X | | " | <4°C |
| 11 | " 24" | | 1410 | " | | X | | | X | V0005 | " | " |
| 12 | " 94" | | 1415 | " | | X | | | X | V0006 | " | " |
| 13 | " 8-11' | | 1440 | AQ | | X | | | | | " | HCl |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 9-10-98 1430 | [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:

000102

print legibly



Custodydera.xls8/12/98



# 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-S LANDFILL RE: 697 AREA *

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

**Comments:** HNU #2 CAL. W/ 100 PPM ISOBUT. O.K. MD

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 385 1 | TRIP BLANK | 9-11-98 | — | METH | 1 | X | | | | VO 013 | — | <4°c |
| 2 | M-S-697-272 6-12" | | 1020 | soil | 2 | | X | X | X | | 0 PPM | " |
| 3 | " 24" | | 1030 | " | | X | | | X | VO 014 | " | " |
| 4 | " 88" | | 1040 | " | | X | | | X | VO 015 | .04 PPM | " |
| 5 | " 7.5-10.5' | | 1050 | AQ. | | X | | | | | 0 PPM | HCL |
| 6 | M-S 697-273 6-12" | | 1147 | soil | | | X | X | X | | " | <4°c |
| 7 | " 24" | | 1155 | " | | X | | | X | VO016 | " | " |
| 8 | " 88" | | 1200 | " | | X | | | X | VO017 | " | " |
| 9 | " 7.5-10.5' | | 1205 | AQ. | | X | | | | | " | HCL |
| 10 | M-S-697-274 6-12" | | 1350 | soil | | | X | X | X | | " | <4°c |
| 11 | " 24" | | 1400 | " | | X | | | X | VO018 | " | " |
| 12 | " 112" | | 1410 | " | | X | | | X | VO019 | " | " |
| 13 | " 9.5-12.5' | | 1415 | AQ. | | X | | | | | " | HCL |
| 14 | ~~M-S-697-274~~ Field Dup. 6-12" | | - | soil | | | X | X | X | | | |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 9-11-98 1525 | [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: * ACTUAL SAMPLE LOC. @ M-S LANDFILL SITE

000103

print legibly



Custodydera.xls8/12/98



# 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-5 LANDFILL CENT.

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3475 15 | FIELD DUP. 24" | 9-11-98 | | SOIL | 2 | X | | | X | VC024 * | 6 PPM | (15) C4pc |
| 16 | " 58" | " | — | " | " | X | | | X | VC025 | 6 | " |
| 17 | " 7.5-10.5' | " | - | AQ. | " | X | | | | | " | HCL |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 9-11-98 1525 | [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: * METH SPILLED OUT OF JAR - ONLY SMALL AMOUNT

Comments: see pg. 1

000104

print legibly



Custody.doc rde8/12/98



# 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-5 LANDFILL
M-8 AREA

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

**Comments:** CAL #2 HNU @ 100 PPM W/ISOBUT. O.K (MW)

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3878. 1 | TRIP BLANK | 9-14-98 | — | METH. | 1 | X | | | | V0023 | 0 PPM | C4OC |
| 2 | M-5 (M-8) 275 6-12" | | 1315 | SOIL | 2 | | X | X | X | | " | " |
| 3 | " 24" | | 1330 | " | | X | | | X | V0026 | " | " |
| 4 | " 130" | | 1340 | " | | X | | | X | V0027 | " | " |
| 5 | " 11-14' | | 1350 | AQ. | | X | | | | | " | HCL |
| 6 | M-5 (M-8) 276 6-12" | | 1445 | SOIL | | | X | X | X | | " | C4OC |
| 7 | " 24" | | 1455 | " | | X | | | X | V0029 | " | " |
| 8 | " 130" | | 1500 | " | | X | | | X | V0030 | " | " |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 9-14-98 1515 | [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: 8 ATTEMPTS TO EXTRACT G.W. @ 276 LOC. ATTEMPTS N/G WILL ATTEMPT ON 9-15-98

000105

print legibly



Custodydera.xls8/12/98

3880



# 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** | Project No: IJN 98-0211
**Phone #: (732) 532-6223** | Location: IM-5(IM-5) LANDFILL
**(X)DERA ( )OMA ( )Other:_____**

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

**Comments:** Cal. #2 HNU w/100ppm Iso But. O.K. ML

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3880.01 | Trip Blank | 9-15-98 | — | Meth. | 1 | X | | | | V00035 | | <4°c |
| 02 | IM-5(IM-5)276 2-16' | | 950 | Aq | 2 | X | | | | | | HCL |
| 03 | IM-5(IM-5)277 6-12" | | 1110 | Soil | | | X | X | X | | 0 PPM | <4°c |
| 04 | 24" | | 1120 | | | X | | | X | V00036 | " | " |
| 05 | 142" | | 1130 | | | X | | | X | V00037 | 7 PPM | " |
| 06 | 12-15' | | 1300 | Aq | | X | | | | | 0 PPM | HCL |
| 07 | IM-5(IM-5)278 6-12" | | 1410 | Soil | | | X | X | X | | | <4°c |
| 08 | 24" | | 1420 | | | X | | | X | V00038 | | " |
| 09 | 142" | | 1430 | | | X | | | X | V00039 | | " |
| 10 | 16-20' | | 1646 | Aq | | X | | | | | | HCL |
| 11 | IM-5(IM-5)279 6-12' | | 1600 | Soil | | | X | X | X | | | <4°c |
| 12 | 24" | | 1610 | | | X | | | X | V00053 | | " |
| 13 | 142" | | 1615 | | | X | | | X | V00054 | | " |
| M | 16-20' | | 1700 | Aq | | X | | | | | | HCL |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| | 9-16-98 755 | J. Vellotti | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| | | | | | |

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

Remarks:

print legibly



Custodydera.xls9/16/98

3880



# 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-S(m-s) landfill

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3880.15 | M-S(m-s)280 6-12" | 9-15-98 | 1740 | Soil | 2 | | X | X | X | | | 4°C |
| 16 | 24" | | 1750 | | | X | | | X | V00040 | | " |
| 17 | 1412" | | 1800 | | | X | | | X | V00047 | | " |
| 18 | 12-15' | | 1830 | Aq | 4 | X | | | | | | HCL |

**Analysis Parameters**

**Comments:** See pg. 1.

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 9-16-98 755 | [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:

000107



# 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-5 (M-5) LANDFILL

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST PCB PAN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3883. 1 | TRIP BLANK | 9-16-98 | — | METH | 1 | X | | | | V0048 | | <4°c |
| 2 | M-5 (M-8) 281 - 6-12" | | 1010 | SOIL | 2 | | X | X | X | | 0 PPM | " |
| 3 | " - 24" | | 1020 | " | | X | | | X | V0049 | " | " |
| 4 | " - 142" | | 1030 | " | | X | | | X | V0050 | " | " |
| 5 | " - 16-20' | | 1410 | AQ. | | X | | | | | " | HCL |
| 6 | M-5 (M-8) 282 - 6-12" | | 1120 | SOIL | | | X | X | X | | " | <4°c |
| 7 | " - 24" | | 1135 | " | | X | | | X | V0051 | " | " |
| 8 | " - 142" | | 1145 | " | | X | | | X | V0052 | " | " |
| 9 | " - 16-20' | | 1350 | AQ. | | X | | | | | " | HCL |
| 10 | M-5 (M-8) 283 - 6-12" | | 1425 | SOIL | | | X | X | X | | " | <4°c |
| 11 | - 24" | | 1435 | " | | X | | | X | V0055 | " | " |
| 12 | - 48" | | 1440 | " | | X | | | X | V0056 | " | " |
| 13 | - 45-25' | | 1450 | AQ. | | X | | | | | " | HCL |
| 14 | M-5 (M-8) 284 - 6-12" | | 1532 | SOIL | | | X | X | X | | | <4°c |

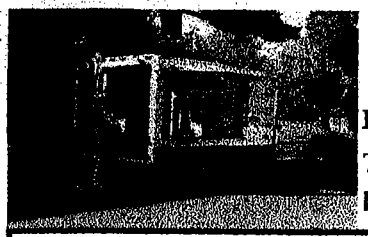
**Comments:**
Cal. #2 HNU w/ 100 PPM ISOBUT. OK (MU)

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 9/17/98 | [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:

000108



# 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-5 (M-8) 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 | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3883 15 | M-5(M-8)~~2847~~ 2847 - 24" | 9-16-98 | 1540 | Soil | 2 | X | | | X | V0057 | 0 PPM | <4°C |
| 16 | " - 48" | | 1545 | " | | X | | | X | V0058 | " | " |
| 17 | " - 4.5-7.5' | | 1555 | AQ. | | X | | | | | " | AQ |
| 18 | M-5(M-8)~~2854~~ 2859 - 6-12" | | 1625 | Soil | | | X | X | X | | " | |
| 19 | " - 24" | | 1635 | " | | X | | | X | V0059 | " | |
| 20 | " - 48" | | 1645 | " | | X | | | X | V0060 | " | |
| 21 | " - 4.5-7.5' | | 1700 | AQ. | | X | | | | | " | |
| 22 | M-5(M-8)~~2865~~ 2869 - 6-12" | | 1720 | Soil | | | X | X | X | | | |
| 23 | " - 24" | | 1736 | " | | X | | | X | V0061 | | |
| 24 | " - 48" | | 1745 | " | | X | | | X | V0062 | | |
| 25 | " - 4.5-7.5' | | 1755 | AQ. | | X | | | | | | |

**Comments:** see pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 9-17-98 730 | J. Ulysses | | | |
| 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:

000109

print legibly



Custodydera.xls8/12/98



# 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-5 677
E. SIDE - BLDG. 677 IN RUBB

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

**Comments:** Cal. #2 HNU @ 100 ppm W-ISOBUT. OK

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3889 | 1 | TRIP BLANK | 9-18-98 | — | MEOH | 1 | X | | | | V0069 | | 40c |
| | 2 | M-5-677-25'-6.12' | | 0950 | soil | | | X | X | X | | 9 PPM | " |
| | 3 | " 24" | | 1010 | " | | X | | | X | V0070 | " | " |
| | 4 | " 87" | | 1015 | " | | X | | | X | V0071 | " | " |
| | 5 | " 7.5-10.5' | | 1130 | AQ. | | X | | | | | " | HCL |
| | 6 | M-5-677-25'-6.12' | | 1115 | soil | | | X | X | X | | " | 4c |
| | 7 | " 24" | | 1125 | " | | X | | | X | V0072 | " | " |
| | 8 | " 87" | | 1135 | " | | X | | | X | V0073 | " | " |
| | 9 | " 7.5-10.5' | | 1145 | AQ | | X | | | | | " | HCL |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 9-18-98 1215 | [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:

00110

print legibly



# 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-5(697) B-272
VOA - RE-DO

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTBN | PACBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3893.01 | M-5-697-272 | 9-18-98 | 1340 | soil | 2 | X | | | | X | V0074 | | 4°C |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

**Comments:**

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 9-18-98 1410 | [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: TRIP BLANK SHARED W/ M-5 677. SAMPLE EVENT 9-18-98 A.M.

print legibly



Custodydera.xls9/16/98



# 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-5

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals TAL | PCB ONLY EPA TCL (MS) | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3894 01 | M-5-697-132 6-12" | 9-18-98 | 1355 | soil | 1 | | | X | | | | <4°C |
| 02 | M-5-697-145 6-12" | " | 1403 | soil | 1 | | | X | | | | " |

Analysis Parameters

**Comments:**

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 9-18-98 1410 | [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.

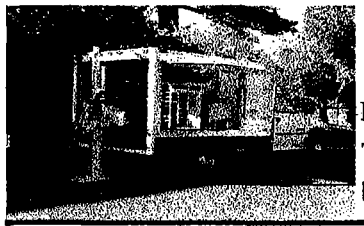
Remarks: SHARED TRIP BLANK w/M-5 697 SAMPLE EVENT 9-18-98 A:M

001212

print legibly



Custodydera.xls9/16/98



# 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-5 LANDFILL (TCE PLUME INVEST.)

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Met Tals | PEST PCB AN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3915. 1 | TRIP BLANK | 10-7-98 | — | METH. | 1 | X | | | | VO156 | 0 ppm | |
| 2 | M-5(MW)-289-46" | | 0920 | SOIL | 2 | X | | | X | VO157 | " | <4°C ~~HNO3~~ (HCl) |
| 3 | " -4-7' | | 0940 | AQ. | | X | | | | | " | HCl |
| 4 | M-5(MW)-290-46" | | 1008 | SOIL | | X | | | X | VO158 | " | <4°C |
| 5 | " -4-7' | | 1020 | AQ. | | X | | | | | " | HCl |
| 6 | M-5(MW)-291-46" | | 1050 | SOIL | | X | | | X | VO159 | " | <4°C |
| 7 | " -4-7' | | 1105 | AQ | | X | | | | | " | HCl |
| 8 | M-5(MW)-292-46" | | 1315 | SOIL | | X | | | X | VO160 | | <4°C |
| 9 | " -4-7' | | 1325 | AQ. | | X | | | | | | HCl |
| 10 | M-5(MW)-293-46" | | 1350 | SOIL | | X | | | X | VO161 | | <4°C |
| 11 | " -4-7' | | ~~1350~~ 1358 (MC) | AQ. | | X | | | | | | HCl |
| 12 | M-5(MW)-294-46" | | 1430 | SOIL | | X | | | X | VO162 | | <4°C |
| 13 | " -4-7' | | 1440 | AQ. | | X | | | | | | HCl |

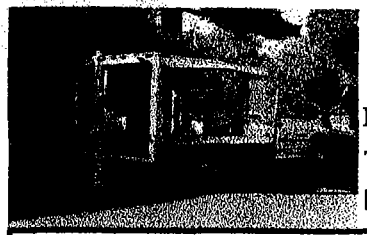
**Comments:** NO OVA

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 10-7-98 1500 | [signature] | | | |
| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
| [signature] | | [signature] | | | |

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

Remarks:

000113



# 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-5 LANDFILL 675 AREA

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3970. 1 | TRIP BLANK | 10-5-98 | — | METH. | 1 | X | | | | V0163 | — | <4°c |
| 2 | M-5(675) 295-70' | | 1015 | SOIL | 2 | X | | | X | V0164 | 0 PPM | <4°c |
| 3 | " -6-9' | | 1025 | AQ | | X | | | | | " | HCL |
| 4 | M-5(675) 296 - 70' | | 1050 | SOIL | | X | | | X | V0165 | " | <4°c |
| 5 | " -6-9' | | 1057 | AQ. | | X | | | | | " | HCL |
| 6 | M-5(675) 297 - 70' | | 1120 | SOIL | | X | | | X | V0166 | " | <4°c |
| 7 | " -6-9' | | 1133 | AQ. | | X | | | | | " | HCL |
| 8 | M-5(675) 298 - 70' | | 1155 | SOIL | | X | | | X | V0167 | " | <4°c |
| 9 | " -6-9' | | 1200 | AQ. | | X | | | | | " | HCL |
| 10 | M-5(675) 299 - 70' | | 1305 | SOIL | | X | | | X | V0168 | " | <4°c |
| 11 | " -6-9' | | 1310 | AQ | | X | | | | | " | HCL |
| 12 | M-5(675) 300 - 70' | | 1330 | SOIL | | X | | | X | V0169 | " | <4°c |
| 13 | " -6-9' | | 1347 | AQ. | | X | | | | | " | HCL |

**Comments:**

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 10-5-98 1415 | [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.

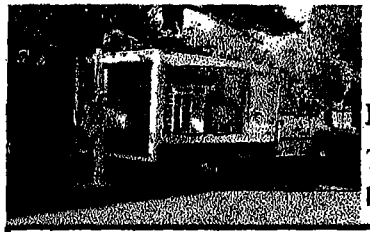
Remarks:

000114

print legibly



Custodydera.xls9/16/98



# 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-5 LANDFILL 697 AREA

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

**Analysis Parameters**

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTBN | PACBN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4012 1 | TRIP BLANK | 10-28-98 | - | METH. | 1 | X | | | | | V00262 | 0 PPM | <4°C |
| 2 | M-5(697)B-301-84" | | 0905 | SOIL | 2 | X | | | | X | V00265 | " | " |
| 3 | " -7-10' | | 0915 | AQ. | " | X | | | | | | " | HCL |
| 4 | M-5(697)B-302-84" | | 0950 | SOIL | " | X | | | | X | V00263 | " | <4°C |
| 5 | " -7-10' | | 1115 | AQ. | " | X | | | | | | " | HCL |
| 6 | M-5(697)B-303-84" | | 1030 | SOIL | " | X | | | | X | V00264 | " | <4°C |
| 7 | " -7-10' | | 1055 | AQ. | " | X | | | | | | " | HCL |
| 8 | M-5(697)B-304-84" | | 1143 | SOIL | " | X | | | | X | V00266 | " | <4°C |
| 9 | " -7-10' | | 1157 | AQ. | " | X | | | | | | " | HCL |
| 10 | M-5(697)B-305-84" | | 1404 | SOIL | | X | | | | X | V00267 | " | <4°C |
| 11 | " -7-10' | | 1408 | AQ. | | X | | | | | | " | HCL |
| 12 | M-5(697)B-306-84" | | 1435 | SOIL | | X | | | | X | V00268 | " | <4°C |
| 13 | " -7-10' | | 1500 | AQ. | | X | | | | | | " | HCL |
| 14 | FIELD DUP. | | - | SOIL | | X | | | | X | V00273 | " | <4°C |

**Comments:**
Cool. ✓2
HNU O.K.

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 10-28-98 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:

print legibly



Custodydera.xls10/13/98

00015



# 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-5 Landfill 697 Area

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4012.15 | Field Dup. | 10-28-98 | — | AQ. | 2 | X | | | | | ppm | HCl |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

Comments: see pg. 1

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| Mark Laura | 10-28-98 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:

000119

print legibly



Custodydera.xls10/22/98



# 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-5-675 + 678 AREA

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST BN | PCB | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4085.1 | TRIP BLANK | 11-24-98 | — | METH. | 1 | X | | | | | V00388 | 0 PPM | |
| 2 | M-5-(675)307 - 102" 9-12" | " | 0940 | SOIL | 2 | X | | | | X | V00389 | " | <4°C |
| 3 | " - 9-12" | " | 1037 | AQ. | " | X | | | | | | " | HCL |
| 4 | M-5(675)308 - 102" | " | 1025 | SOIL | " | X | | | | X | V00390 | " | <4°C |
| 5 | " - 9-12' | " | 1044 | AQ. | " | X | | | | | | " | HCL |
| 6 | M-5(675)309 - 102" | " | 1115 | SOIL | " | X | | | | X | V00391 | " | <4°C |
| 7 | " - 9-12' | " | 1123 | AQ. | " | X | | | | | | " | HCL |
| 8 | M-5(675)310 - 102" | " | 1150 | SOIL | " | X | | | | X | V00392 | " | <4°C |
| 9 | " - 9-12' | " | 1158 | AQ. | " | X | | | | | | " | HCL |
| 10 | M-5(675)311 - 102" | " | 1255 | SOIL | " | X | | | | X | V00393 | " | <4°C |
| 11 | " - 9-12' | " | 1320 | AQ. | " | X | | | | | | " | HCL |
| 12 | M-5(675)312 - 102" | " | 1400 | SOIL | " | X | | | | X | V00394 | " | <4°C |
| 13 | " - 9-12' | " | 1409 | AQ | " | X | | | | | | " | HCL |
| 14 | M-5-(678)313 - 90" | " | 1440 | SOIL | " | X | | | | X | V00395 | " | <4°C |

**Comments:**

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 11-24-98 1609 | [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:

000417

print legibly



Custodydera.xls11/16/98



# 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-5-675 + 678 AREA

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

| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PESTPCBPAN | %SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4085. 15 | M-5(678) 313-8-11' | 11-24-98 | 1456 | AQ. | 2 | X | | | | | ppm | HCl |
| 16 | M-5-(678) 314-90" | " | 1530 | SOIL | " | X | | | X | V00396 | " | 4°C |
| 17 | " -8-11' | " | 1545 | AQ | " | X | | | | | " | HCl |
| 18 | FIELD DUP. - X | " | | SOIL | " | X | | | X | V00397 | " | 4°C |
| 19 | " - X | " | | AQ. | " | X | | | | | " | HCl |

**Comments:**

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 11-24-98 1609 | [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:

000118

print legibly



Custodydera.xls11/16/98



# Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@doim6.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: M5(602) AREA
**(X)DERA ( )OMA ( )Other:_____**
**Samplers Name / Company : MARK LAURA / TVS PWS-007**

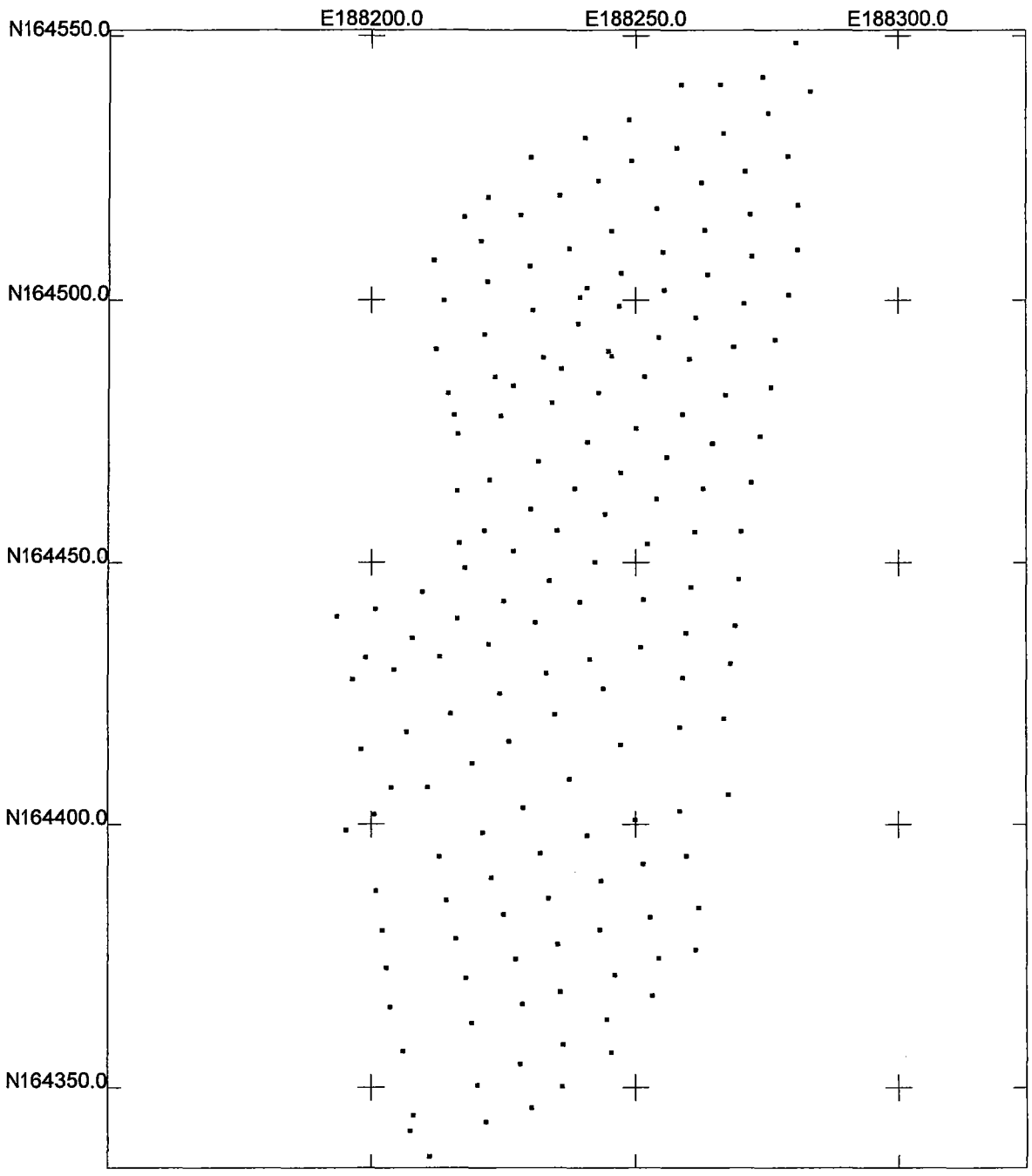
| Lab Sample I.D. | Sample Location | Date | Time | Sample Type | # bottles | VOA+15 | Metals | PEST PCB ABN | % SOLID | VOA ID NUMBER | OVA | Remarks / Preservation Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4147. 1 | TRIP BLANK | 12-17-98 | — | METH. | 1 | X | | | | V00506 | | <4°C |
| 2 | M5(602) 315 9.5' | " | 1040 | SOIL | 2 | X | | | X | V00507 | | <4°C ~~HCL~~ |
| 3 | " -10-13' | " | 1100 | AQ. | | X | | | | | | HCL |
| 4 | M5(602) 316 - 9.5' | " | 1140 | SOIL | | X | | | X | V00508 | | <4°C |
| 5 | " -10-13' | " | 1150 | AQ. | | X | | | | | | HCL |
| 6 | M5(602) 317 - 9.5' | " | 1300 | SOIL | | X | | | X | V00509 | | <4°C |
| 7 | " -10-13' | " | 1311 | AQ. | | X | | | | | | HCL |
| 8 | M5(602) 318 - 9.5' | " | 1340 | SOIL | | X | | | X | V00510 | | <4°C |
| 9 | " -10-13' | " | 1355 | AQ. | | X | | | | | | HCL |

| Relinquished by (signature): | Date/Time: | Received by (signature): | Relinquished by (signature): | Date/Time: | Received by (signature): |
|---|---|---|---|---|---|
| [signature] | 12-17-98 1425 | [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:

# GPS MAPS



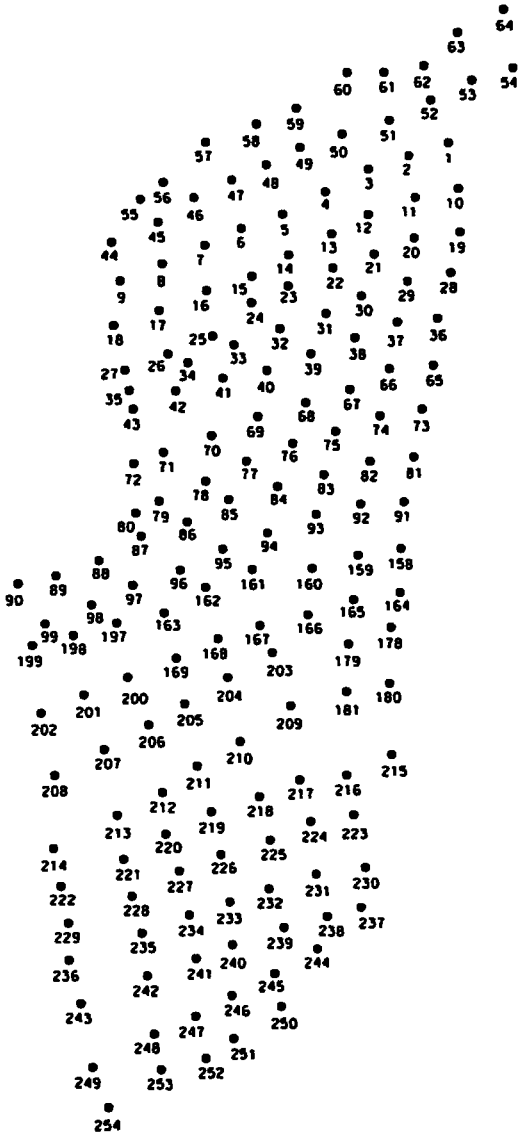

# M5 Landfill Soil Boring GPS Map

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

N

Scale 1:1250
0 40.00
Meters

final m5 landfill map.ssf
2/18/1999
Pathfinder Office
Trimble



N

M5 LANDFILL SITE

# SITE MAP
# M5 LANDFILL
# FORT MONMOUTH ARMY BASE
# MONMOUTH COUNTY, NJ

FT. MONMOUTH ENVIRONMENTAL TESTING LAB

Engineers, Managers, Scientists & Planners

SCALE: NTS

DATE: NOV. 1998

## M5 LANDFILL SITE GPS POSITIONS & COORDINATES

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

( IN METERS )

| POSITION / DESC. | Y COORD. ( NORTHING ) | X COORD. ( EASTING ) |
|---|---|---|
| 1 | 164527.302 | 188278.72 |
| 2 | 164524.54 | 188270.483 |
| 3 | 164522.341 | 188262.191 |
| 4 | 164517.404 | 188253.811 |
| 5 | 164513.248 | 188245.214 |
| 6 | 164509.893 | 188237.115 |
| 7 | 164506.63 | 188229.623 |
| 8 | 164503.676 | 188221.594 |
| 9 | 164500.113 | 188213.403 |
| 10 | 164518.136 | 188280.696 |
| 11 | 164516.429 | 188271.468 |
| 12 | 164513.431 | 188262.84 |
| 13 | 164509.259 | 188254.964 |
| 14 | 164505.278 | 188246.976 |
| 15 | 164500.709 | 188239.192 |
| 16 | 164498.256 | 188230.242 |
| 17 | 164493.622 | 188221.071 |
| 18 | 164490.793 | 188211.907 |
| 19 | 164509.717 | 188280.593 |
| 20 | 164508.482 | 188271.788 |
| 21 | 164505.018 | 188263.366 |
| 22 | 164502.082 | 188255.183 |
| 23 | 164499.016 | 188246.648 |
| 24 | 164495.676 | 188238.86 |
| 25 | 164489.293 | 188232.162 |
| 26 | 164485.56 | 188223.024 |
| 27 | 164482.447 | 188214.206 |
| 28 | 164501.113 | 188278.853 |
| 29 | 164499.567 | 188270.305 |
| 30 | 164496.858 | 188261.193 |
| 31 | 164493.055 | 188254.188 |
| 32 | 164490.432 | 188244.57 |
| 33 | 164487.093 | 188235.615 |
| 34 | 164483.835 | 188226.5 |
| 35 | 164478.243 | 188215.329 |
| 36 | 164492.615 | 188276.316 |
| 37 | 164491.265 | 188268.357 |
| 38 | 164488.936 | 188259.954 |
| 39 | 164485.57 | 188251.386 |
| 40 | 164482.49 | 188242.72 |

| POSITION / DESC. | Y COORD. ( NORTHING ) | X COORD. ( EASTING ) |
|---|---|---|
| 41 | 164480.607 | 188233.92 |
| 42 | 164478.042 | 188224.191 |
| 43 | 164474.68 | 188216.006 |
| 44 | 164507.701 | 188211.512 |
| 45 | 164511.322 | 188220.447 |
| 46 | 164516.281 | 188227.959 |
| 47 | 164519.979 | 188235.242 |
| 48 | 164522.735 | 188242.582 |
| 49 | 164526.458 | 188248.948 |
| 50 | 164528.846 | 188257.578 |
| 51 | 164531.676 | 188266.398 |
| 52 | 164535.464 | 188274.974 |
| 53 | 164539.625 | 188282.983 |
| 54 | 164542.324 | 188291.357 |
| 55 | 164515.894 | 188217.301 |
| 56 | 164519.589 | 188221.675 |
| 57 | 164527.131 | 188229.847 |
| 58 | 164530.802 | 188240.158 |
| 59 | 164534.212 | 188248.562 |
| 60 | 164540.845 | 188258.4 |
| 61 | 164540.885 | 188265.747 |
| 62 | 164542.356 | 188273.882 |
| 63 | 164548.849 | 188280.319 |
| 64 | 164553.595 | 188289.267 |
| 65 | 164483.534 | 188275.46 |
| 66 | 164482.005 | 188266.859 |
| 67 | 164478.368 | 188258.737 |
| 68 | 164475.684 | 188249.823 |
| 69 | 164473.064 | 188240.587 |
| 70 | 164469.456 | 188231.261 |
| 71 | 164465.869 | 188221.993 |
| 72 | 164463.877 | 188215.994 |
| 73 | 164474.211 | 188273.44 |
| 74 | 164472.794 | 188264.369 |
| 75 | 164470.227 | 188255.737 |
| 76 | 164467.239 | 188246.933 |
| 77 | 164464.316 | 188238.271 |
| 78 | 164460.375 | 188229.896 |
| 79 | 164456.255 | 188221.069 |
| 80 | 164453.934 | 188216.313 |
| 81 | 164465.441 | 188271.648 |
| 82 | 164464.239 | 188262.654 |
| 83 | 164462.232 | 188253.822 |
| 84 | 164459.39 | 188243.979 |
| 85 | 164456.249 | 188234.877 |
| 86 | 164452.346 | 188226.572 |
| 87 | 164449.113 | 188217.376 |

| POSITION / DESC. | Y COORD. ( NORTHING ) | X COORD. ( EASTING ) |
|---|---|---|
| 88 | 164444.582 | 188209.42 |
| 89 | 164441.338 | 188200.594 |
| 90 | 164439.876 | 188193.384 |
| 91 | 164456.135 | 188269.733 |
| 92 | 164455.992 | 188261.011 |
| 93 | 164453.728 | 188251.997 |
| 94 | 164450.242 | 188242 |
| 95 | 164446.699 | 188233.313 |
| 96 | 164442.789 | 188224.768 |
| 97 | 164439.506 | 188215.991 |
| 98 | 164435.729 | 188207.464 |
| 99 | 164432.026 | 188198.72 |
| 158 | 164447.041 | 188269.27 |
| 159 | 164445.464 | 188260.345 |
| 160 | 164443.071 | 188251.345 |
| 161 | 164442.618 | 188239.252 |
| 162 | 164438.736 | 188230.765 |
| 163 | 164434.54 | 188221.896 |
| 164 | 164438.093 | 188268.696 |
| 165 | 164436.682 | 188259.404 |
| 166 | 164433.953 | 188250.756 |
| 167 | 164431.65 | 188241.076 |
| 168 | 164429.004 | 188232.773 |
| 169 | 164425.161 | 188224.029 |
| 178 | 164430.875 | 188267.801 |
| 179 | 164428.098 | 188258.763 |
| 180 | 164420.25 | 188266.578 |
| 181 | 164418.644 | 188258.223 |

| POSITION / DESC | Y COORD. ( NORTHING ) | X COORD. ( EASTING ) |
|---|---|---|
| 197 | 164432.199 | 188212.573 |
| 198 | 164429.718 | 188204.059 |
| 199 | 164427.853 | 188196.349 |
| 200 | 164421.257 | 188214.69 |
| 201 | 164417.739 | 188206.45 |
| 202 | 164414.445 | 188197.866 |
| 203 | 164426.052 | 188243.731 |
| 204 | 164421.109 | 188234.438 |
| 205 | 164415.929 | 188225.735 |
| 206 | 164411.818 | 188218.801 |
| 207 | 164407.186 | 188210.451 |
| 208 | 164402.072 | 188200.392 |
| 209 | 164415.284 | 188246.991 |
| 210 | 164408.802 | 188237.308 |
| 211 | 164403.344 | 188228.478 |
| 212 | 164398.655 | 188220.745 |
| 213 | 164394.06 | 188212.5 |
| 214 | 164387.622 | 188200.703 |
| 215 | 164405.835 | 188267.476 |
| 216 | 164402.692 | 188258.22 |
| 217 | 164401.001 | 188249.744 |
| 218 | 164398.05 | 188240.57 |
| 219 | 164394.726 | 188231.619 |
| 220 | 164390.076 | 188222.413 |
| 221 | 164385.752 | 188213.839 |
| 222 | 164380.04 | 188201.838 |
| 223 | 164394.162 | 188259.444 |
| 224 | 164392.642 | 188251.148 |
| 225 | 164389.455 | 188243.211 |
| 226 | 164386.153 | 188233.236 |
| 227 | 164383.091 | 188224.711 |
| 228 | 164378.548 | 188215.618 |
| 229 | 164372.887 | 188202.677 |
| 230 | 164384.345 | 188261.761 |
| 231 | 164382.548 | 188252.55 |
| 232 | 164380.17 | 188242.983 |
| 233 | 164377.399 | 188234.94 |
| 234 | 164374.6 | 188226.947 |
| 235 | 164370.944 | 188217.623 |
| 236 | 164365.47 | 188203.322 |
| 237 | 164376.361 | 188261.192 |
| 238 | 164374.733 | 188254.175 |
| 239 | 164371.563 | 188245.869 |
| 240 | 164368.353 | 188235.43 |
| 241 | 164366.058 | 188228.292 |
| 242 | 164362.433 | 188218.695 |
| 243 | 164357.039 | 188205.696 |

| POSITION / DESC | Y COORD. ( NORTHING ) | X COORD. ( EASTING ) |
|---|---|---|
| 244 | 164367.609 | 188252.972 |
| 245 | 164363.088 | 188244.301 |
| 246 | 164358.29 | 188235.985 |
| 247 | 164354.658 | 188227.939 |
| 248 | 164350.652 | 188219.775 |
| 249 | 164344.997 | 188207.672 |
| 250 | 164356.792 | 188245.114 |
| 251 | 164350.431 | 188235.891 |
| 252 | 164346.403 | 188230.055 |
| 253 | 164343.688 | 188221.385 |
| 254 | 164337.122 | 188210.788 |

## REFERENCE POSITIONS

| POSITION / DESC. | Y COORD. ( NORTHING ) | X COORD. ( EASTING ) |
|---|---|---|
| M5-MW11 | 164502.435 | 188240.431 |
| M5-OLD GRN PIPE | 164489.467 | 188245.124 |
| SEWER MANWAY | 164407.195 | 188203.615 |

# LANDFILL COVER

128A

# M-5
# Landfill Cover

| Boring | | Boring | | Boring | |
|---|---|---|---|---|---|
| B1 | Minimum 2 foot cap. | B52 | Minimum 2 foot cap. | B161 | Minimum 3 inch cap. |
| B2 | Minimum 2 foot cap. | B53 | Minimum 3 inch cap. | B162 | Minimum 1 inch cap. |
| B3 | Minimum 2 foot cap. | B54 | Minimum 2 foot cap. | B163 | Minimum 1 inch cap. |
| B4 | Minimum 1 foot cap. | B55 | Minimum 2 foot cap. | B164 | Minimum 2 foot cap. |
| B5 | Minimum 3 inch cap. | B56 | Minimum 2 foot cap. | B165 | Minimum 2 foot cap. |
| B6 | Minimum 3 inch cap. | B57 | Minimum 2 foot cap. | B166 | Minimum 6 inch cap. |
| B7 | Minimum 3 inch cap. | B58 | Minimum 2 foot cap. | B167 | Minimum 1 inch cap. |
| B8 | Minimum 1 inch cap. | B59 | Minimum 18 inch cap. | B168 | Minimum 3 inch cap. |
| B9 | Minimum 1 inch cap. | B60 | Minimum 2 foot cap. | B169 | Minimum 6 inch cap. |
| B10 | Minimum 18 inch cap. | B61 | Minimum 2 foot cap. | B178 | Minimum 1 inch cap. |
| B11 | Minimum 3 inch cap. | B62 | Minimum 6 inch cap. | B179 | Minimum 2 foot cap. |
| B12 | Minimum 2 foot cap. | B63 | Minimum 2 foot cap. | B180 | Minimum 2 foot cap. |
| B13 | Minimum 1 inch cap. | B64 | Minimum 2 foot cap. | B181 | Minimum 2 foot cap. |
| B14 | Minimum 1 inch cap. | B65 | Minimum 1 inch cap. | B197 | Minimum 6 inch cap. |
| B15 | Minimum 1 inch cap. | B66 | Minimum 1 inch cap. | B198 | Minimum 6 inch cap. |
| B16 | Minimum 6 inch cap. | B67 | Minimum 1 inch cap. | B199 | Minimum 6 inch cap. |
| B17 | Minimum 6 inch cap. | B68 | Minimum 1 inch cap. | B200 | Minimum 6 inch cap. |
| B18 | Minimum 6 inch cap. | B69 | Minimum 2 foot cap. | B201 | Minimum 6 inch cap. |
| B19 | Minimum 3 inch cap. | B70 | Minimum 18 inch cap. | B202 | Minimum 6 inch cap. |
| B20 | Minimum 3 inch cap. | B71 | Minimum 18 inch cap. | B203 | Minimum 6 inch cap. |
| B21 | Minimum 2 foot cap. | B72 | Minimum 6 inch cap. | B204 | Minimum 3 inch cap. |
| B22 | Minimum 1 inch cap. | B73 | Minimum 18 inch cap. | B205 | Minimum 3 inch cap. |
| B23 | Minimum 18 inch cap. | B74 | Minimum 3 inch cap. | B206 | Minimum 3 inch cap. |
| B24 | Minimum 1 foot cap. | B75 | Minimum 1 inch cap. | B207 | Minimum 3 inch cap. |
| B25 | Minimum 6 inch cap. | B76 | Minimum 1 inch cap. | B208 | Minimum 6 inch cap. |
| B26 | Minimum 3 inch cap. | B77 | Minimum 1 inch cap. | B209 | Minimum 6 inch cap. |
| B27 | Minimum 3 inch cap. | B78 | Minimum 1 inch cap. | B210 | Minimum 6 inch cap. |
| B28 | Minimum 2 foot cap. | B79 | Minimum 2 foot cap. | B211 | Minimum 6 inch cap. |
| B29 | Minimum 2 foot cap. | B80 | Minimum 2 foot cap. | B212 | Minimum 3 inch cap. |
| B30 | Minimum 2 foot cap. | B81 | Minimum 2 foot cap. | B213 | Minimum 3 inch cap. |
| B31 | Minimum 2 foot cap. | B82 | Minimum 2 foot cap. | B214 | Minimum 18 inch cap. |
| B32 | Minimum 3 inch cap. | B83 | Minimum 2 foot cap. | B215 | Minimum 2 foot cap. |
| B33 | Minimum 3 inch cap. | B84 | Minimum 2 foot cap. | B216 | Minimum 18 inch cap. |
| B34 | Minimum 3 inch cap. | B85 | Minimum 2 foot cap. | B217 | Minimum 1 foot cap. |
| B35 | Minimum 3 inch cap. | B86 | Minimum 18 inch cap. | B218 | Minimum 1 foot cap. |
| B36 | Minimum 2 foot cap. | B87 | Minimum 18 inch cap. | B219 | Minimum 6 inch cap. |
| B37 | Minimum 2 foot cap. | B88 | Minimum 3 inch cap. | B220 | Minimum 1 inch cap. |
| B38 | Minimum 2 foot cap. | B89 | Minimum 3 inch cap. | B221 | Minimum 1 foot cap. |
| B39 | Minimum 3 inch cap. | B90 | Minimum 1 foot cap. | B222 | Minimum 1 foot cap. |
| B40 | Minimum 3 inch cap. | B91 | Minimum 2 foot cap. | B223 | Minimum 6 inch cap. |
| B41 | Minimum 3 inch cap. | B92 | Minimum 6 inch cap. | B224 | Minimum 1 foot cap. |
| B42 | Minimum 3 inch cap. | B93 | Minimum 2 foot cap. | B225 | Minimum 18 inch cap. |
| B43 | Minimum 3 inch cap. | B94 | Minimum 2 foot cap. | B226 | Minimum 1 foot cap. |
| B44 | Minimum 3 inch cap. | B95 | Minimum 6 inch cap. | B227 | Minimum 18 inch cap. |
| B45 | Minimum 18 inch cap. | B96 | Minimum 6 inch cap. | B228 | Minimum 18 inch cap. |
| B46 | Minimum 1 foot cap. | B97 | Minimum 6 inch cap. | B229 | Minimum 2 foot cap. |
| B47 | Minimum 6 inch cap. | B98 | Minimum 6 inch cap. | B230 | Minimum 18 inch cap. |
| B48 | Minimum 1 inch cap. | B99 | Minimum 6 inch cap. | B231 | Minimum 6 inch cap. |
| B49 | Minimum 2 foot cap. | B158 | Minimum 1 inch cap. | B232 | Minimum 1 inch cap. |
| B50 | Minimum 2 foot cap. | B159 | Minimum 3 inch cap. | B233 | Minimum 1 inch cap. |
| B51 | Minimum 2 foot cap. | B160 | Minimum 2 foot cap. | B234 | Minimum 18 inch cap. |



128B

# M-5
# Landfill Cover

| Boring | | Boring | | Boring | |
|---|---|---|---|---|---|
| B235 | Minimum 18 inch cap. | B242 | Minimum 2 foot cap. | B249 | Minimum 2 foot cap. |
| B236 | Minimum 18 inch cap. | B243 | Minimum 1 inch cap. | B250 | Minimum 2 foot cap. |
| B237 | Minimum 1 inch cap. | B244 | Minimum 1 inch cap. | B251 | Minimum 2 foot cap. |
| B238 | Minimum 1 inch cap. | B245 | Minimum 18 inch cap. | B252 | Minimum 2 foot cap. |
| B239 | Minimum 1 inch cap. | B246 | Minimum 2 foot cap. | B253 | Minimum 2 foot cap. |
| B240 | Minimum 18 inch cap. | B247 | Minimum 2 foot cap. | B254 | Minimum 2 foot cap. |
| B241 | Minimum 2 foot cap. | B248 | Minimum 2 foot cap. | | |



128C

# FIELD DUPLICATE IDENTIFICATION

# Field Duplicate Identification

| Sample Id | Lab ID | Field Duplicate |
|---|---|---|
| B-20 6-12" | 3479.03 | 3479.15 |
| B-20 24" | 3479.04 | 3479.16 |
| B-43 6-12" | 3543.02 | 3543.18 |
| B-43 24" | 3543.03 | 3543.19 |
| B-60 6-12" | 3567.02 | 3567.23 |
| B-60 24" | 3567.03 | 3567.24 |
| B-80 6-12" | 3580.22 | 3580.38 |
| B-80 24" | 3580.23 | 3580.39 |
| B-160 6-12" | 3665.19 | 3665.25 |
| B-160 24" | 3665.20 | 3665.26 |
| B-180 6-12" | 3722.18 | 3722.24 |
| B-180 24" | 3722.19 | 3722.25 |
| B-200 6-12" | 3805.08 | 3805.32 |
| B-200 24" | 3805.09 | 3805.33 |
| B-220 6-12" | 3809.18 | 3809.24 |
| B-220 24" | 3809.19 | 3809.25 |
| B-240 6-12" | 3836.08 | 3836.38 |
| B-240 24" | 3836.09 | 3836.39 |

# 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-5 Landfill

**Lab ID:** 3465, 3470, 3472, 3473, 3477, 3479, 3485, 3498, 3500, 3501, 3539, 3543, 3547, 3550, 3561, 3567, 3571, 3576, 3580, 3584, 3588, 3593, 3665, 3686, 3688,3722, 3805, 3809, 3812, 3827, 3836

Di-n-butylphthalate exceeds the calibration curve in Method Blank BN1538.D, which was extracted on 4/22/98. The blank was not diluted.

Several PAH's exceed the calibration curve in M-5 B-84 (Lab ID 3584.02). The sample was not diluted.

# LABORATORY CHRONICLE

# Laboratory Chronicle

**Lab ID:** 3465 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 04/08/98 | NA |
| **Receipt/Refrigeration** | 04/08/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 04/09/98 | 14 Days |
| 2. Pest/PCB's | 04/09/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 04/10/98 | 14 Days |
| 2. Base Neutrals | 04/28,30/98 | 40 Days |
| 3. Pest/PCB's | 05/13/98 | 40 Days |
| 4. Metals | 04/30/98 | 6 Months |
| 5. Mercury | 04/10/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3470 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 04/09/98 | NA |
| **Receipt/Refrigeration** | 04/09/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 04/10/98 | 14 Days |
| 2. Pest/PCB's | 04/10/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 04/13/98 | 14 Days |
| 2. Base Neutrals | 04/29/98 | 40 Days |
| 3. Pest/PCB's | 05/14/98 | 40 Days |
| 4. Metals | 04/30/98 | 6 Months |
| 5. Mercury | 04/10/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3472 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 04/10/98 | NA |
| **Receipt/Refrigeration** | 04/10/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 04/13/98 | 14 Days |
| 2. Pest/PCB's | 04/13/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 04/13/98 | 14 Days |
| 2. Base Neutrals | 04/28/98 | 40 Days |
| 3. Pest/PCB's | 05/14/98 | 40 Days |
| 4. Metals | 04/30/98 | 6 Months |
| 5. Mercury | 04/24/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3473 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 04/11/98 | NA |
| **Receipt/Refrigeration** | 04/11/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 04/13/98 | 14 Days |
| 2. Pest/PCB's | 04/13/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 04/20,21,22/98 | 14 Days |
| 2. Base Neutrals | 04/28,30/98 05/05/98 | 40 Days |
| 3. Pest/PCB's | 05/14/98 | 40 Days |
| 4. Metals | 04/30/98 | 6 Months |
| 5. Mercury | 04/24/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3477 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 04/13/98 | NA |
| **Receipt/Refrigeration** | 04/13/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 04/14/98 | 14 Days |
| 2. Pest/PCB's | 04/14/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 04/23/98 | 14 Days |
| 2. Base Neutrals | 04/29/98 | 40 Days |
| 3. Pest/PCB's | 05/21/98 | 40 Days |
| 4. Metals | 04/30/98 | 6 Months |
| 5. Mercury | 04/24/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3479 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 04/14/98 | NA |
| **Receipt/Refrigeration** | 04/14/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 04/15/98 | 14 Days |
| 2. Pest/PCB's | 04/15/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 04/24/98 | 14 Days |
| 2. Base Neutrals | 04/29/98 | 40 Days |
| 3. Pest/PCB's | 05/21/98 | 40 Days |
| 4. Metals | 05/12/98 | 6 Months |
| 5. Mercury | 04/24/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3485 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 04/15/98 | NA |
| **Receipt/Refrigeration** | 04/15/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 04/16/98 | 14 Days |
| 2. Pest/PCB's | 04/16/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 04/27/98 | 14 Days |
| 2. Base Neutrals | 04/29/98 | 40 Days |
| 3. Pest/PCB's | 05/22/98 | 40 Days |
| 4. Metals | 04/30/98 | 6 Months |
| 5. Mercury | 04/24/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3498 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 04/20/98 | NA |
| **Receipt/Refrigeration** | 04/20/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 04/21/98 | 14 Days |
| 2. Pest/PCB's | 04/21/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 04/27,28/98 | 14 Days |
| 2. Base Neutrals | 04/29/98 | 40 Days |
| 3. Pest/PCB's | 05/22/98 | 40 Days |
| 4. Metals | 04/30/98 | 6 Months |
| 5. Mercury | 04/24/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3500 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 04/21/98 | NA |
| **Receipt/Refrigeration** | 04/21/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 04/22/98 | 14 Days |
| 2. Pest/PCB's | 04/22/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 04/28/98 | 14 Days |
| 2. Base Neutrals | 04/30/98 | 40 Days |
| 3. Pest/PCB's | 05/22/98 | 40 Days |
| 4. Metals | 04/30/98 | 6 Months |
| 5. Mercury | 04/24/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3501 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 04/22/98 | NA |
| **Receipt/Refrigeration** | 04/22/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 04/23/98 | 14 Days |
| 2. Pest/PCB's | 04/23/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 04/29/98 | 14 Days |
| 2. Base Neutrals | 04/30/98 05/05/98 | 40 Days |
| 3. Pest/PCB's | 05/22/98 | 40 Days |
| 4. Metals | 04/30/98 | 6 Months |
| 5. Mercury | 04/24/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3539 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 05/01/98 | NA |
| **Receipt/Refrigeration** | 05/01/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 05/05/98 | 14 Days |
| 2. Pest/PCB's | 05/04/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 05/05/98 | 14 Days |
| 2. Base Neutrals | 05/06/98 | 40 Days |
| 3. Pest/PCB's | 05/29/98 | 40 Days |
| 4. Metals | 05/12/98 | 6 Months |
| 5. Mercury | 05/12/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3543 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 05/04/98 | NA |
| **Receipt/Refrigeration** | 05/04/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 05/05/98 | 14 Days |
| 2. Pest/PCB's | 05/06/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 05/05,06/98 | 14 Days |
| 2. Base Neutrals | 05/06/98 | 40 Days |
| 3. Pest/PCB's | 05/29,30/98 | 40 Days |
| 4. Metals | 05/12/98 | 6 Months |
| 5. Mercury | 05/12/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3547 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 05/05/98 | NA |
| **Receipt/Refrigeration** | 05/05/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 05/06/98 | 14 Days |
| 2. Pest/PCB's | 05/06/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 05/18/98 | 14 Days |
| 2. Base Neutrals | 05/07/98 | 40 Days |
| 3. Pest/PCB's | 05/30/98 06/03/98 | 40 Days |
| 4. Metals | 05/12/98 | 6 Months |
| 5. Mercury | 05/12/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3550 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 05/06/98 | NA |
| **Receipt/Refrigeration** | 05/06/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 05/07/98 | 14 Days |
| 2. Pest/PCB's | 05/07/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 05/18,19/98 | 14 Days |
| 2. Base Neutrals | 05/08/98 | 40 Days |
| 3. Pest/PCB's | 06/02/98 | 40 Days |
| 4. Metals | 05/12/98 | 6 Months |
| 5. Mercury | 05/12/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3561 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 05/11/98 | NA |
| **Receipt/Refrigeration** | 05/11/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 05/12/98 | 14 Days |
| 2. Pest/PCB's | 05/12/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 05/21/98 | 14 Days |
| 2. Base Neutrals | 05/18/98 | 40 Days |
| 3. Pest/PCB's | 06/13/98 | 40 Days |
| 4. Metals | 06/02/98 | 6 Months |
| 5. Mercury | 06/02/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3567 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 05/14/98 | NA |
| **Receipt/Refrigeration** | 05/14/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 05/15/98 | 14 Days |
| 2. Pest/PCB's | 05/15/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 05/21,22/98 | 14 Days |
| 2. Base Neutrals | 05/28/98 | 40 Days |
| 3. Pest/PCB's | 06/13/98 | 40 Days |
| 4. Metals | 06/02/98 | 6 Months |
| 5. Mercury | 05/18/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3571 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 05/15/98 | NA |
| **Receipt/Refrigeration** | 05/15/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 05/18/98 | 14 Days |
| 2. Pest/PCB's | 05/18/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 05/22,26/98 | 14 Days |
| 2. Base Neutrals | 05/28/98 | 40 Days |
| 3. Pest/PCB's | 06/13/98 | 40 Days |
| 4. Metals | 06/02/98 | 6 Months |
| 5. Mercury | 05/18/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3576 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 05/18/98 | NA |
| **Receipt/Refrigeration** | 05/18/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 05/20/98 | 14 Days |
| 2. Pest/PCB's | 05/20/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 05/26,27/98 | 14 Days |
| 2. Base Neutrals | 05/28/98 | 40 Days |
| 3. Pest/PCB's | 06/13/98 | 40 Days |
| 4. Metals | 06/02/98 | 6 Months |
| 5. Mercury | 06/02/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3580 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 05/19/98 | NA |
| **Receipt/Refrigeration** | 05/19/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 05/20/98 | 14 Days |
| 2. Pest/PCB's | 05/20/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 05/27/98 | 14 Days |
| 2. Base Neutrals | 05/23,28/98 | 40 Days |
| 3. Pest/PCB's | 06/14/98 | 40 Days |
| 4. Metals | 06/02/98 | 6 Months |
| 5. Mercury | 06/02/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3584 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 05/20/98 | NA |
| **Receipt/Refrigeration** | 05/21/98* | NA |
| **Extractions** | | |
| 1. Base Neutrals | 05/21/98 | 14 Days |
| 2. Pest/PCB's | 05/21/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 05/29/98 06/02/98 | 14 Days |
| 2. Base Neutrals | 05/24,29/98 06/06,15/98 | 40 Days |
| 3. Pest/PCB's | 06/14/98 | 40 Days |
| 4. Metals | 06/02/98 | 6 Months |
| 5. Mercury | 06/02/98 | 28 Days |

*Samples received after 4:15 and refrigerated on 05/20/98.

# Laboratory Chronicle

**Lab ID:** 3588 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 05/21/98 | NA |
| **Receipt/Refrigeration** | 05/22/98* | NA |
| **Extractions** | | |
| 1. Base Neutrals | 05/22/98 | 14 Days |
| 2. Pest/PCB's | 05/22/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 06/02,03/98 | 14 Days |
| 2. Base Neutrals | 06/06/98 | 40 Days |
| 3. Pest/PCB's | 06/20/98 | 40 Days |
| 4. Metals | 06/02/98 | 6 Months |
| 5. Mercury | 06/02/98 | 28 Days |

*Samples received after 4:15 and refrigerated on 05/21/98.

# Laboratory Chronicle

**Lab ID:** 3593 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 05/26/98 | NA |
| **Receipt/Refrigeration** | 05/26/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 05/27/98 | 14 Days |
| 2. Pest/PCB's | 05/27/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 06/04/98 | 14 Days |
| 2. Base Neutrals | 06/03/98 | 40 Days |
| 3. Pest/PCB's | 06/20/98 | 40 Days |
| 4. Metals | 06/02/98 | 6 Months |
| 5. Mercury | 06/02/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3665 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 06/17/98 | NA |
| **Receipt/Refrigeration** | 06/18/98* | NA |
| **Extractions** | | |
| 1. Base Neutrals | 06/18/98 | 14 Days |
| 2. Pest/PCB's | 06/18/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 06/22,23/98 | 14 Days |
| 2. Base Neutrals | 06/22/98 | 40 Days |
| 3. Pest/PCB's | 07/24/98 | 40 Days |
| 4. Metals | 07/01/98 | 6 Months |
| 5. Mercury | 07/06/98 | 28 Days |

* Sample received after 4:15 and refrigerated on 06/17/98.

# Laboratory Chronicle

**Lab ID:** 3686 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 06/26/98 | NA |
| **Receipt/Refrigeration** | 06/26/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 06/18/98 | 14 Days |
| 2. Pest/PCB's | 06/18/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 07/08,09/98 | 14 Days |
| 2. Base Neutrals | 06/29/98 | 40 Days |
| 3. Pest/PCB's | 08/05/98 | 40 Days |
| 4. Metals | 07/01/98 | 6 Months |
| 5. Mercury | 07/06/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3688 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 06/29/98 | NA |
| **Receipt/Refrigeration** | 06/29/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 06/30/98 | 14 Days |
| 2. Pest/PCB's | 06/30/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 07/08,09/98 | 14 Days |
| 2. Base Neutrals | 07/06,07/98 | 40 Days |
| 3. Pest/PCB's | 08/05/98 | 40 Days |
| 4. Metals | 07/01/98 | 6 Months |
| 5. Mercury | 07/06/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3722 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 07/13/98 | NA |
| **Receipt/Refrigeration** | 07/13/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 07/14/98 | 14 Days |
| 2. Pest/PCB's | 07/14/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 07/17,20/98 | 14 Days |
| 2. Base Neutrals | 07/16/98 | 40 Days |
| 3. Pest/PCB's | 08/22/98 | 40 Days |
| 4. Metals | 08/12/98 | 6 Months |
| 5. Mercury | 07/29/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3805 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 08/12/98 | NA |
| **Receipt/Refrigeration** | 08/12/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 08/13/98 | 14 Days |
| 2. Pest/PCB's | 08/13,14/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 08/24/98 | 14 Days |
| 2. Base Neutrals | 08/22/98 09/03,04/98 | 40 Days |
| 3. Pest/PCB's | 09/10,11/98 | 40 Days |
| 4. Metals | 08/31/98 | 6 Months |
| 5. Mercury | 08/20/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3809 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 08/13/98 | NA |
| **Receipt/Refrigeration** | 08/13/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 08/17/98 | 14 Days |
| 2. Pest/PCB's | 08/14/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 08/24,25/98 | 14 Days |
| 2. Base Neutrals | 09/10,11/98 | 40 Days |
| 3. Pest/PCB's | 09/22,23/98 | 40 Days |
| 4. Metals | 08/31/98 | 6 Months |
| 5. Mercury | 08/20/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3812 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 08/14/98 | NA |
| **Receipt/Refrigeration** | 08/14/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 08/17/98 | 14 Days |
| 2. Pest/PCB's | 08/18/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 08/25/98 | 14 Days |
| 2. Base Neutrals | 09/14/98 | 40 Days |
| 3. Pest/PCB's | 09/24/98 | 40 Days |
| 4. Metals | 08/31/98 | 6 Months |
| 5. Mercury | 08/31/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3827 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 08/25/98 | NA |
| **Receipt/Refrigeration** | 08/25/98 | NA |
| **Extractions** | | |
| 1. Base Neutrals | 08/26/98 | 14 Days |
| 2. Pest/PCB's | 08/26/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 09/02/98 | 14 Days |
| 2. Base Neutrals | 09/14,15/98 | 40 Days |
| 3. Pest/PCB's | 10/01/98 | 40 Days |
| 4. Metals | 08/31/98 | 6 Months |
| 5. Mercury | 08/31/98 | 28 Days |

# Laboratory Chronicle

**Lab ID:** 3836 **Site:** M-5

| | Date | Hold Time |
|---|---|---|
| **Date Sampled** | 08/26/98 | NA |
| **Receipt/Refrigeration** | 08/27/98* | NA |
| **Extractions** | | |
| 1. Base Neutrals | 08/27/98 | 14 Days |
| 2. Pest/PCB's | 08/27/98 | 07 Days |
| **Analyses** | | |
| 1. Volatile Organics | 09/08/98 | 14 Days |
| 2. Base Neutrals | 09/21,22/98 | 40 Days |
| 3. Pest/PCB's | 10/03,05/98 | 40 Days |
| 4. Metals | 08/31/98 | 6 Months |
| 5. Mercury | 08/31/98 | 28 Days |

* Samples received after 4:15 and refrigerated on 08/26/98.

# SOIL CLEAN-UP CRITERIA

# Soil Cleanup Criteria

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

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

NLE- No Limits Established

# QUALIFIER CODES

**US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY**
**NJDEPE # 13461**

## Definition of Qualifiers

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

# ANALYTICAL RESULTS

# METHOD BLANKS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK48**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK48

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03520.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 0 Date Analyzed: 04/10/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK48**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK48

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03520.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 0 Date Analyzed: 04/10/98

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.

**VBLK48**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK48

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03520.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 0 Date Analyzed: 04/10/98

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 |
|---|---|---|---|---|



000351

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK49**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK49

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03539.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 0 Date Analyzed: 04/13/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK49**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK49

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03539.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 0 Date Analyzed: 04/13/98

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.

**VBLK49**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK49

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03539.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 0 Date Analyzed: 04/13/98

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: 2

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000311-89-7 | Perfluorotributylamine | 4.51 | 1500 | JN |
| 2. 018707-60-3 | 2-Butenoic acid, methyl ester | 6.41 | 1000 | JN |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK50**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK50

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03563.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 0 Date Analyzed: 04/20/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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.

**VBLK50**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK50

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03563.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 0 Date Analyzed: 04/20/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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.

**VBLK50**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK50

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03563.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 0 Date Analyzed: 04/20/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**VBLK51**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK51

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03575.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 0 Date Analyzed: 04/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

**VBLK51**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK51

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03575.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 0 Date Analyzed: 04/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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.

**VBLK51**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK51

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03575.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 0 Date Analyzed: 04/22/98

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

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

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

Number TICs found: 1

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown hydrocarbon | 11.87 | 2100 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK52**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK52

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03595.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 0 Date Analyzed: 04/23/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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.

**VBLK52**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK52

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03595.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 0 Date Analyzed: 04/23/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**VBLK52**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK52

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03595.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 0 Date Analyzed: 04/23/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK53**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK53

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03615.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 0 Date Analyzed: 04/24/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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.

**VBLK53**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK53

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03615.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 0 Date Analyzed: 04/24/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**VBLK53**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK53

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03615.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 0 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**VBLK54**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK54

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03634.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 0 Date Analyzed: 04/27/98

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 | 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.

**VBLK54**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK54

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03634.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 0 Date Analyzed: 04/27/98

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
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**VBLK54**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK54

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03634.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 0 Date Analyzed: 04/27/98

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.

**VBLK55**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK55

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03654.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 0 Date Analyzed: 04/28/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK55**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK55

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03654.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 0 Date Analyzed: 04/28/98

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.

**VBLK55**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK55

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03654.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 0 Date Analyzed: 04/28/98

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.

**VBLK56**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK56

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03673.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 0 Date Analyzed: 04/29/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK56**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK56

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03673.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 0 Date Analyzed: 04/29/98

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.

**VBLK56**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK56

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03673.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 0 Date Analyzed: 04/29/98

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

**VBLK57**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK57

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03692.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 0 Date Analyzed: 4/30/98

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

**VBLK57**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK57

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03692.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 0 Date Analyzed: 4/30/98

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.

**VBLK57**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK57

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03692.D

Level: (low/med) MED Date Received: 04/22/98

% Moisture: not dec. 0 Date Analyzed: 04/30/98

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.

**VBLK58**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK58

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03711.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 0 Date Analyzed: 05/05/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK58**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK58

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03711.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 0 Date Analyzed: 05/05/98

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.

**VBLK58**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK58

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03711.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 0 Date Analyzed: 05/05/98

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

**VBLK58A**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK58

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03730.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 0 Date Analyzed: 05/06/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK58A**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK58

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03730.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 0 Date Analyzed: 05/06/98

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 | 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

**VBLK58A**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK58

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03730.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 0 Date Analyzed: 05/06/98

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.

**VBLK59**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK59

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03749.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 0 Date Analyzed: 05/15/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK59**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK59

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03749.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 0 Date Analyzed: 05/15/98

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.

**VBLK59**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK59

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03749.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 0 Date Analyzed: 05/15/98

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

**VBLK60**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK60

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03769.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 0 Date Analyzed: 05/18/98

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

**VBLK60**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK60

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03769.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 0 Date Analyzed: 05/18/98

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

**VBLK60**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK60

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03769.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 0 Date Analyzed: 05/18/98

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

**Vblk61**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK61

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03792.D

Level: (low/med) MED Date Received: 5/6/98

% Moisture: not dec. 0 Date Analyzed: 5/19/98

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

**Vblk61**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK61

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03792.D

Level: (low/med) MED Date Received: 5/6/98

% Moisture: not dec. 0 Date Analyzed: 5/19/98

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.

**VBLK61**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK61

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03792.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 0 Date Analyzed: 05/19/98

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 |
|---|---|---|---|---|



000393

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK62**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK62

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03803.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 0 Date Analyzed: 05/21/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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.

**VBLK62**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK62

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03803.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 0 Date Analyzed: 05/21/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**VBLK62**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK62

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03803.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 0 Date Analyzed: 05/21/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK63**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK63

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03822.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 0 Date Analyzed: 05/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

**VBLK63**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK63

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03822.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 0 Date Analyzed: 05/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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.

**VBLK63**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK63

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03822.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 0 Date Analyzed: 05/22/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK64**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK64

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03841.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 0 Date Analyzed: 05/26/98

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.

**VBLK64**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK64

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03841.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 0 Date Analyzed: 05/26/98

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.

**VBLK64**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK64

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03841.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 0 Date Analyzed: 05/26/98

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.

**VBLK65**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK65

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03860.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 0 Date Analyzed: 05/27/98

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 | 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.

**VBLK65**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK65

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03860.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 0 Date Analyzed: 05/27/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**VBLK65**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK65

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03860.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 0 Date Analyzed: 05/27/98

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.

**VBLK67**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK67

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03904.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 0 Date Analyzed: 05/29/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK67**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK67

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03904.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 0 Date Analyzed: 05/29/98

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.

**VBLK67**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK67

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03904.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 0 Date Analyzed: 05/29/98

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.

**VBLK69**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK69

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03952.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 0 Date Analyzed: 06/02/98

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.

**VBLK69**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK69

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03952.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 0 Date Analyzed: 06/02/98

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.

**VBLK69**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK69

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03952.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 0 Date Analyzed: 06/02/98

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.

**VBLK70**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK70

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03972.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 0 Date Analyzed: 06/03/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK70**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK70

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03972.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 0 Date Analyzed: 06/03/98

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.

**VBLK70**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK70

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03972.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 0 Date Analyzed: 06/03/98

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

**VBLK71**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK71

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03991.D

Level: (low/med) MED Date Received: 05/26/98

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

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK71**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK71

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03991.D

Level: (low/med) MED Date Received: 05/26/98

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

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.

**VBLK71**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK71

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03991.D

Level: (low/med) MED Date Received: 05/26/98

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

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.

**VBLK80**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK80

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04200.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 0 Date Analyzed: 06/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

**VBLK80**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK80

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04200.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 0 Date Analyzed: 06/22/98

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

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

CONCENTRATION UNITS:

| 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.

**VBLK80**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK80

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04200.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 0 Date Analyzed: 06/22/98

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

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

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

Number TICs found: 1

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 11.88 | 5600 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK81**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK81

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04219.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 0 Date Analyzed: 06/23/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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.

**VBLK81**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK81

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04219.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 0 Date Analyzed: 06/23/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**VBLK81**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK81

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04219.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 0 Date Analyzed: 06/23/98

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

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

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

Number TICs found: 1

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 11.88 | 5100 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK82**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK82

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04253.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 0 Date Analyzed: 07/08/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK82**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK82

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04253.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 0 Date Analyzed: 07/08/98

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

**VBLK82**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK82

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04253.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 0 Date Analyzed: 07/08/98

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.

**VBLK83**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK83

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04266.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 0 Date Analyzed: 07/09/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK83**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK83

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04266.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 0 Date Analyzed: 07/09/98

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.

**VBLK83**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK83

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04266.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 0 Date Analyzed: 07/09/98

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

**VBLK85**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK85

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04321.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 0 Date Analyzed: 07/17/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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.

**VBLK85**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK85

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04321.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 0 Date Analyzed: 07/17/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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.

**VBLK85**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK85

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04321.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 0 Date Analyzed: 07/17/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**VBLK86**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK86

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04340.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 0 Date Analyzed: 07/20/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

**VBLK86**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK86

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04340.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 0 Date Analyzed: 07/20/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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.

**VBLK86**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK86

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04340.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 0 Date Analyzed: 07/20/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK38**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3805 SDG No: Location: M-5

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

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01304.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 0 Date Analyzed: 08/24/98

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.

**VBLK38**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3805 SDG No: _____ Location: M-5

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

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01304.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 0 Date Analyzed: 08/24/98

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.

**VBLK38**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3805 SDG No: Location: M-5

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

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01304.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 0 Date Analyzed: 08/24/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK91**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK91

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04487.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 0 Date Analyzed: 08/24/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

**VBLK91**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK91

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04487.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 0 Date Analyzed: 08/24/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**VBLK91**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK91

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04487.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 0 Date Analyzed: 08/24/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**VBLK39**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

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

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01322.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 0 Date Analyzed: 08/24/98

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.

**VBLK39**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

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

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01322.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 0 Date Analyzed: 08/24/98

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.

**VBLK39**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: _____ Location: M-5

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

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01322.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 0 Date Analyzed: 08/24/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK92**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK92

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04505.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 0 Date Analyzed: 08/25/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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.

**VBLK92**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK92

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04505.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 0 Date Analyzed: 08/25/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**VBLK92**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK92

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04505.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 0 Date Analyzed: 08/25/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**VBLK93**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK93

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04524.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 0 Date Analyzed: 09/02/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK93**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK93

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04524.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 0 Date Analyzed: 09/02/98

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.

**VBLK93**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK93

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04524.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 0 Date Analyzed: 09/02/98

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.

**VBLK43**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: VBLK43

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01441.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 0 Date Analyzed: 09/08/98

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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**VBLK43**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: VBLK43

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01441.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 0 Date Analyzed: 09/08/98

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.

**VBLK43**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: VBLK43

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01441.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 0 Date Analyzed: 09/08/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**VBLK94**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK94

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04547.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 0 Date Analyzed: 09/08/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**VBLK94**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK94

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04547.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 0 Date Analyzed: 09/08/98

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.

**VBLK94**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: VBLK94

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04547.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 0 Date Analyzed: 09/08/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

# TRIP BLANKS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03524.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 0 Date Analyzed: 04/10/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03524.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 0 Date Analyzed: 04/10/98

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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03524.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 0 Date Analyzed: 04/10/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03540.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 0 Date Analyzed: 04/13/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03540.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 0 Date Analyzed: 04/13/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03540.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 0 Date Analyzed: 04/13/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03549.D

Level: (low/med) MED Date Received: 4/10/98

% Moisture: not dec. 0 Date Analyzed: 4/13/98

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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03549.D

Level: (low/med) MED Date Received: 4/10/98

% Moisture: not dec. 0 Date Analyzed: 4/13/98

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 |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03564.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 0 Date Analyzed: 04/20/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03564.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 0 Date Analyzed: 04/20/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03564.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 0 Date Analyzed: 04/20/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03616.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 0 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03616.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 0 Date Analyzed: 04/24/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03616.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 0 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03624.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 0 Date Analyzed: 04/24/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03624.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 0 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03624.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 0 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 1

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown hydrocarbon | 13.17 | 2900 | J |

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03638.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 0 Date Analyzed: 04/27/98

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 | 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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03638.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 0 Date Analyzed: 04/27/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. **Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03638.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 0 Date Analyzed: 04/27/98

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.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03647.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 0 Date Analyzed: 04/27/98

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 | 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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03647.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 0 Date Analyzed: 04/27/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03647.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 0 Date Analyzed: 04/27/98

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.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03662.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 0 Date Analyzed: 04/28/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03662.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 0 Date Analyzed: 04/28/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03662.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 0 Date Analyzed: 04/28/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03678.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 0 Date Analyzed: 4/29/98

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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03678.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 0 Date Analyzed: 4/29/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03678.D

Level: (low/med) MED Date Received: 04/22/98

% Moisture: not dec. 0 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03731.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 0 Date Analyzed: 05/06/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03731.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 0 Date Analyzed: 05/06/98

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 | 750 | U |
| 1330-20-7 | o-Xylene | 500 | U |
| 100-42-5 | Styrene | 500 | U |
| 75-25-2 | Bromoform | 500 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 500 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03731.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 0 Date Analyzed: 05/06/98

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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03719.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 0 Date Analyzed: 05/05/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03719.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 0 Date Analyzed: 05/05/98

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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03719.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 0 Date Analyzed: 05/05/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03774.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 0 Date Analyzed: 05/18/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03774.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 0 Date Analyzed: 05/18/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03774.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 0 Date Analyzed: 05/18/98

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: 3

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000095-93-2 | Benzene, 1,2,4,5-tetramethyl- | 28.05 | 2100 | JN |
| 2. 027133-93-3 | 2,3-Dihydro-1-methylindene | 30.77 | 1600 | JN |
| 3. 000824-22-6 | 1H-Indene, 2,3-dihydro-4-methyl- | 31.87 | 2400 | JN |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03780.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 0 Date Analyzed: 05/18/98

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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03780.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 0 Date Analyzed: 05/18/98

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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03780.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 0 Date Analyzed: 05/18/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03804.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 0 Date Analyzed: 05/21/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03804.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 0 Date Analyzed: 05/21/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03804.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 0 Date Analyzed: 05/21/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03815.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 0 Date Analyzed: 05/21/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03815.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 0 Date Analyzed: 05/21/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03815.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 0 Date Analyzed: 05/21/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03835.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 0 Date Analyzed: 05/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03835.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 0 Date Analyzed: 05/22/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03835.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 0 Date Analyzed: 05/22/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03861.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 0 Date Analyzed: 05/27/98

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 | 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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03861.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 0 Date Analyzed: 05/27/98

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

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03861.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 0 Date Analyzed: 05/27/98

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.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03865.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 0 Date Analyzed: 05/27/98

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 | 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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03865.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 0 Date Analyzed: 05/27/98

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
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03865.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 0 Date Analyzed: 05/27/98

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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03912.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 0 Date Analyzed: 05/29/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03912.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 0 Date Analyzed: 05/29/98

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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03912.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 0 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03962.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 0 Date Analyzed: 06/02/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03962.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 0 Date Analyzed: 06/02/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03962.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 0 Date Analyzed: 06/02/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03992.D

Level: (low/med) MED Date Received: 05/26/98

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

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03992.D

Level: (low/med) MED Date Received: 05/26/98

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

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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03992.D

Level: (low/med) MED Date Received: 05/26/98

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

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04222.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 0 Date Analyzed: 06/23/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04222.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 0 Date Analyzed: 06/23/98

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

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04222.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 0 Date Analyzed: 06/23/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04267.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 0 Date Analyzed: 07/09/98

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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04267.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 0 Date Analyzed: 07/09/98

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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04267.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 0 Date Analyzed: 07/09/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04259.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 0 Date Analyzed: 07/08/98

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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04259.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 0 Date Analyzed: 07/08/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04259.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 0 Date Analyzed: 07/08/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04331.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 0 Date Analyzed: 07/17/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04331.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 0 Date Analyzed: 07/17/98

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

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04331.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 0 Date Analyzed: 07/17/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04488.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 0 Date Analyzed: 08/24/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04488.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 0 Date Analyzed: 08/24/98

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

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04488.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 0 Date Analyzed: 08/24/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**TRIP BLANK**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix: (soil/water) SOIL Lab Sample ID: 3809.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01311.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 0 Date Analyzed: 08/24/98

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 | 320 | |
| 75-55-6 | 1,1,1-Trichloroethane | 250 | U |
| 56-23-5 | Carbon Tetrachloride | 500 | U |
| 71-43-2 | Benzene | 250 | U |
| 107-06-2 | 1,2-Dichloroethane | 500 | U |
| 79-01-6 | Trichloroethene | 250 | U |
| 78-87-5 | 1,2-Dichloropropane | 250 | U |
| 75-27-4 | Bromodichloromethane | 250 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 500 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 250 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 500 | U |
| 108-88-3 | Toluene | 250 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 500 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 500 | U |
| 127-18-4 | Tetrachloroethene | 250 | U |
| 591-78-6 | 2-Hexanone | 500 | U |
| 126-48-1 | Dibromochloromethane | 500 | U |
| 108-90-7 | Chlorobenzene | 250 | U |
| 100-41-4 | Ethylbenzene | 500 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**TRIP BLANK**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01311.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 0 Date Analyzed: 08/24/98

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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**TRIP BLANK**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01311.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 0 Date Analyzed: 08/24/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04506.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 0 Date Analyzed: 08/25/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04506.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 0 Date Analyzed: 08/25/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04506.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 0 Date Analyzed: 08/25/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04525.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 0 Date Analyzed: 09/02/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04525.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 0 Date Analyzed: 09/02/98

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.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04525.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 0 Date Analyzed: 09/02/98

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 | 14.22 | 1600 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04548.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 0 Date Analyzed: 09/08/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04548.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 0 Date Analyzed: 09/08/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04548.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 0 Date Analyzed: 09/08/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

# FIELD DUPLICATES

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Field Dup**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.16

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03636.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.53 Date Analyzed: 04/27/98

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 | 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.

**Field Dup**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.16

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03636.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.53 Date Analyzed: 04/27/98

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 | 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

**Field Dup**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.16

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03636.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.53 Date Analyzed: 04/27/98

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 | 13.18 | 2800 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Field Dup 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.19

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03736.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 19.9 Date Analyzed: 05/06/98

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 | 2300 | U |
| 107131 | Acrylonitrile | 2300 | U |
| 75650 | tert-Butyl alcohol | 4200 | U |
| 1634044 | Methyl-tert-Butyl ether | 970 | U |
| 108203 | Di-isopropyl ether | 640 | U |
| | Dichlorodifluoromethane | 1300 | U |
| 74-87-3 | Chloromethane | 320 | U |
| 75-01-4 | Vinyl Chloride | 970 | U |
| 74-83-9 | Bromomethane | 640 | U |
| 75-00-3 | Chloroethane | 970 | 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 | 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 | 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.

**Field Dup 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.19

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03736.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 19.9 Date Analyzed: 05/06/98

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 | 970 | 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.

**Field Dup 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.19

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03736.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 19.9 Date Analyzed: 05/06/98

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.

**Field Dup 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.24

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03833.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 7.3 Date Analyzed: 05/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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.

**Field Dup 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.24

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03833.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 7.3 Date Analyzed: 05/22/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Field Dup 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.24

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03833.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 7.3 Date Analyzed: 05/22/98

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

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

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

Number TICs found: 1

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown hydrocarbon | 11.91 | 9100 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Field Dup 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.39

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03910.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.34 Date Analyzed: 05/29/98

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 | 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.

**Field Dup 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.39

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03910.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.34 Date Analyzed: 05/29/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 860 | U |
| 1330-20-7 | o-Xylene | 570 | U |
| 100-42-5 | Styrene | 570 | U |
| 75-25-2 | Bromoform | 570 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 570 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Field Dup 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.39

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03910.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.34 Date Analyzed: 05/29/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Field Dup 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.26

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04228.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 9.65 Date Analyzed: 06/23/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

**Field Dup 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.26

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04228.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 9.65 Date Analyzed: 06/23/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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.

**Field Dup 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.26

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04228.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 9.65 Date Analyzed: 06/23/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Field Dup 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.25

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04345.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.74 Date Analyzed: 07/20/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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 | 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.

**Field Dup 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.25

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04345.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.74 Date Analyzed: 07/20/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**Field Dup 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.25

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04345.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.74 Date Analyzed: 07/20/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Field Dup**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3805 SDG No: Location: M-5

Matrix: (soil/water) SOIL Lab Sample ID: 3805.33

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB01308.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 44.85 Date Analyzed: 08/24/98

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 | 3200 | U |
| 107131 | Acrylonitrile | 3200 | U |
| 75650 | tert-Butyl alcohol | 6000 | U |
| 1634044 | Methyl-tert-Butyl ether | 1400 | U |
| 108203 | Di-isopropyl ether | 920 | U |
| | Dichlorodifluoromethane | 1800 | U |
| 74-87-3 | Chloromethane | 460 | U |
| 75-01-4 | Vinyl Chloride | 1400 | U |
| 74-83-9 | Bromomethane | 920 | U |
| 75-00-3 | Chloroethane | 1400 | U |
| 75-69-4 | Trichlorofluoromethane | 920 | U |
| 75-35-4 | 1,1-Dichloroethene | 460 | U |
| 67-64-1 | Acetone | 920 | U |
| 75-15-0 | Carbon Disulfide | 460 | U |
| 75-09-2 | Methylene Chloride | 920 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 920 | U |
| 75-35-3 | 1,1-Dichloroethane | 460 | U |
| 108-05-4 | Vinyl Acetate | 1400 | U |
| 78-93-3 | 2-Butanone | 1400 | U |
| | cis-1,2-Dichloroethene | 460 | U |
| 67-66-3 | Chloroform | 760 | |
| 75-55-6 | 1,1,1-Trichloroethane | 460 | U |
| 56-23-5 | Carbon Tetrachloride | 920 | U |
| 71-43-2 | Benzene | 460 | U |
| 107-06-2 | 1,2-Dichloroethane | 920 | U |
| 79-01-6 | Trichloroethene | 460 | U |
| 78-87-5 | 1,2-Dichloropropane | 460 | U |
| 75-27-4 | Bromodichloromethane | 460 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 920 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 460 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 920 | U |
| 108-88-3 | Toluene | 460 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 920 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 920 | U |
| 127-18-4 | Tetrachloroethene | 460 | U |
| 591-78-6 | 2-Hexanone | 920 | U |
| 126-48-1 | Dibromochloromethane | 920 | U |
| 108-90-7 | Chlorobenzene | 460 | U |
| 100-41-4 | Ethylbenzene | 920 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Field Dup**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3805 SDG No: Location: M-5

Matrix: (soil/water) SOIL Lab Sample ID: 3805.33

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB01308.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 44.85 Date Analyzed: 08/24/98

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 | 1400 | U |
| 1330-20-7 | o-Xylene | 920 | U |
| 100-42-5 | Styrene | 920 | U |
| 75-25-2 | Bromoform | 920 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 920 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Field Dup**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3805 SDG No: Location: M-5

Matrix: (soil/water) SOIL Lab Sample ID: 3805.33

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB01308.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 44.85 Date Analyzed: 08/24/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**FIELD DUP 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.25

Sample wt/vol: 9.4 (g/ml) G Lab File ID: VB01328.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 23.55 Date Analyzed: 08/25/98

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 | 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 | 410 | |
| 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 | 56 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**FIELD DUP 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.25

Sample wt/vol: 9.4 (g/ml) G Lab File ID: VB01328.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 23.55 Date Analyzed: 08/25/98

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 | 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.

**FIELD DUP 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.25

Sample wt/vol: 9.4 (g/ml) G Lab File ID: VB01328.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 23.55 Date Analyzed: 08/25/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**Field Dup**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.39

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB01451.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 25.91 Date Analyzed: 09/08/98

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 | 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 | 6400 | |
| 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Field Dup**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.39

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB01451.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 25.91 Date Analyzed: 09/08/98

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 | 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.

**Field Dup**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.39

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB01451.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 25.91 Date Analyzed: 09/08/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

# SAMPLES

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-1-24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03525.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 9.89 Date Analyzed: 04/10/98

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 | 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 | 840 | U |
| 74-83-9 | Bromomethane | 560 | U |
| 75-00-3 | Chloroethane | 840 | U |
| 75-69-4 | Trichlorofluoromethane | 560 | U |
| 75-35-4 | 1,1-Dichloroethene | 280 | U |
| 67-64-1 | Acetone | 560 | U |
| 75-15-0 | Carbon Disulfide | 280 | U |
| 75-09-2 | Methylene Chloride | 560 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 560 | U |
| 75-35-3 | 1,1-Dichloroethane | 280 | U |
| 108-05-4 | Vinyl Acetate | 840 | U |
| 78-93-3 | 2-Butanone | 840 | U |
| | cis-1,2-Dichloroethene | 280 | U |
| 67-66-3 | Chloroform | 280 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 280 | U |
| 56-23-5 | Carbon Tetrachloride | 560 | U |
| 71-43-2 | Benzene | 280 | U |
| 107-06-2 | 1,2-Dichloroethane | 560 | U |
| 79-01-6 | Trichloroethene | 280 | U |
| 78-87-5 | 1,2-Dichloropropane | 280 | U |
| 75-27-4 | Bromodichloromethane | 280 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 560 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 280 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 560 | U |
| 108-88-3 | Toluene | 280 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 560 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 560 | U |
| 127-18-4 | Tetrachloroethene | 280 | U |
| 591-78-6 | 2-Hexanone | 560 | U |
| 126-48-1 | Dibromochloromethane | 560 | U |
| 108-90-7 | Chlorobenzene | 280 | U |
| 100-41-4 | Ethylbenzene | 560 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-1-24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03525.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 9.89 Date Analyzed: 04/10/98

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 | 840 | U |
| 1330-20-7 | o-Xylene | 560 | U |
| 100-42-5 | Styrene | 560 | U |
| 75-25-2 | Bromoform | 560 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 560 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-1-24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03525.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 9.89 Date Analyzed: 04/10/98

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-2-24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03527.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 13.33 Date Analyzed: 04/10/98

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 | 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-2-24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03527.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 13.33 Date Analyzed: 04/10/98

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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-2-24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03527.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 13.33 Date Analyzed: 04/10/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-3-24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.12

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03529.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 11.86 Date Analyzed: 04/10/98

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 |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-3-24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.12

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03529.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 11.86 Date Analyzed: 04/10/98

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-3-24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.12

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03529.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 11.86 Date Analyzed: 04/10/98

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-4 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03541.D

Level: (low/med) MED Date Received: 4/9/98

% Moisture: not dec. 6.84 Date Analyzed: 4/13/98

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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-4 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03541.D

Level: (low/med) MED Date Received: 4/9/98

% Moisture: not dec. 6.84 Date Analyzed: 4/13/98

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 | 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-4 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03541.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 6.84 Date Analyzed: 04/13/98

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-5 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.08

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03543.D

Level: (low/med) MED Date Received: 4/9/98

% Moisture: not dec. 5.18 Date Analyzed: 4/13/98

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-5 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.08

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03543.D

Level: (low/med) MED Date Received: 4/9/98

% Moisture: not dec. 5.18 Date Analyzed: 4/13/98

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-5 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.08

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03543.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 5.18 Date Analyzed: 04/13/98

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-6 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03545.D

Level: (low/med) MED Date Received: 4/9/98

% Moisture: not dec. 7.52 Date Analyzed: 4/13/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-6 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03545.D

Level: (low/med) MED Date Received: 4/9/98

% Moisture: not dec. 7.52 Date Analyzed: 4/13/98

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-6 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03545.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 7.52 Date Analyzed: 04/13/98

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 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.16

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03547.D

Level: (low/med) MED Date Received: 4/9/98

% Moisture: not dec. 22.21 Date Analyzed: 4/13/98

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 | 2300 | U |
| 107131 | Acrylonitrile | 2300 | U |
| 75650 | tert-Butyl alcohol | 4300 | U |
| 1634044 | Methyl-tert-Butyl ether | 1000 | U |
| 108203 | Di-isopropyl ether | 670 | U |
| | Dichlorodifluoromethane | 1300 | U |
| 74-87-3 | Chloromethane | 330 | U |
| 75-01-4 | Vinyl Chloride | 1000 | U |
| 74-83-9 | Bromomethane | 670 | U |
| 75-00-3 | Chloroethane | 1000 | U |
| 75-69-4 | Trichlorofluoromethane | 670 | U |
| 75-35-4 | 1,1-Dichloroethene | 330 | U |
| 67-64-1 | Acetone | 670 | U |
| 75-15-0 | Carbon Disulfide | 330 | U |
| 75-09-2 | Methylene Chloride | 670 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 670 | U |
| 75-35-3 | 1,1-Dichloroethane | 330 | U |
| 108-05-4 | Vinyl Acetate | 1000 | U |
| 78-93-3 | 2-Butanone | 1000 | 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 | 670 | U |
| 71-43-2 | Benzene | 330 | U |
| 107-06-2 | 1,2-Dichloroethane | 670 | 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 | 670 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 330 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 670 | U |
| 108-88-3 | Toluene | 330 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 670 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 670 | U |
| 127-18-4 | Tetrachloroethene | 330 | U |
| 591-78-6 | 2-Hexanone | 670 | U |
| 126-48-1 | Dibromochloromethane | 670 | U |
| 108-90-7 | Chlorobenzene | 330 | U |
| 100-41-4 | Ethylbenzene | 670 | U |

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-7 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.16

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03547.D

Level: (low/med) MED Date Received: 4/9/98

% Moisture: not dec. 22.21 Date Analyzed: 4/13/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 1000 | U |
| 1330-20-7 | o-Xylene | 670 | U |
| 100-42-5 | Styrene | 670 | U |
| 75-25-2 | Bromoform | 670 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 670 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-7 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.16

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03547.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 22.21 Date Analyzed: 04/13/98

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-8 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03550.D

Level: (low/med) MED Date Received: 4/10/98

% Moisture: not dec. 22.44 Date Analyzed: 4/13/98

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 | 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

**B-8 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03550.D

Level: (low/med) MED Date Received: 4/10/98

% Moisture: not dec. 22.44 Date Analyzed: 4/13/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 960 | U |
| 1330-20-7 | o-Xylene | 640 | U |
| 100-42-5 | Styrene | 640 | U |
| 75-25-2 | Bromoform | 640 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 640 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-8 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03550.D

Level: (low/med) MED Date Received: 4/10/98

% Moisture: not dec. 22.44 Date Analyzed: 4/13/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-9 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.08

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03552.D

Level: (low/med) MED Date Received: 4/10/98

% Moisture: not dec. 22.65 Date Analyzed: 4/13/98

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 | 4400 | U |
| 1634044 | Methyl-tert-Butyl ether | 1000 | U |
| 108203 | Di-isopropyl ether | 670 | U |
| | Dichlorodifluoromethane | 1300 | U |
| 74-87-3 | Chloromethane | 340 | U |
| 75-01-4 | Vinyl Chloride | 1000 | U |
| 74-83-9 | Bromomethane | 670 | U |
| 75-00-3 | Chloroethane | 1000 | U |
| 75-69-4 | Trichlorofluoromethane | 670 | U |
| 75-35-4 | 1,1-Dichloroethene | 340 | U |
| 67-64-1 | Acetone | 670 | U |
| 75-15-0 | Carbon Disulfide | 340 | U |
| 75-09-2 | Methylene Chloride | 670 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 670 | 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 | 670 | U |
| 71-43-2 | Benzene | 340 | U |
| 107-06-2 | 1,2-Dichloroethane | 670 | 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 | 670 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 340 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 670 | U |
| 108-88-3 | Toluene | 340 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 670 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 670 | U |
| 127-18-4 | Tetrachloroethene | 340 | U |
| 591-78-6 | 2-Hexanone | 670 | U |
| 126-48-1 | Dibromochloromethane | 670 | U |
| 108-90-7 | Chlorobenzene | 340 | U |
| 100-41-4 | Ethylbenzene | 670 | U |

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-9 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.08

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03552.D

Level: (low/med) MED Date Received: 4/10/98

% Moisture: not dec. 22.65 Date Analyzed: 4/13/98

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 | 1000 | U |
| 1330-20-7 | o-Xylene | 670 | U |
| 100-42-5 | Styrene | 670 | U |
| 75-25-2 | Bromoform | 670 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 670 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-9 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.08

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03552.D

Level: (low/med) MED Date Received: 4/10/98

% Moisture: not dec. 22.65 Date Analyzed: 4/13/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-10 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03554.D

Level: (low/med) MED Date Received: 4/10/98

% Moisture: not dec. 7.47 Date Analyzed: 4/13/98

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 | 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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-10 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03554.D

Level: (low/med) MED Date Received: 4/10/98

% Moisture: not dec. 7.47 Date Analyzed: 4/13/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 820 | U |
| 1330-20-7 | o-Xylene | 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-10 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03554.D

Level: (low/med) MED Date Received: 4/10/98

% Moisture: not dec. 7.47 Date Analyzed: 4/13/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-11 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03565.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 4.87 Date Analyzed: 04/20/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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-11 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03565.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 4.87 Date Analyzed: 04/20/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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-11 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03565.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 4.87 Date Analyzed: 04/20/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-12 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.08

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03567.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 6.68 Date Analyzed: 04/20/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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-12 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.08

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03567.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 6.68 Date Analyzed: 04/20/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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-12 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.08

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03567.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 6.68 Date Analyzed: 04/20/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-13 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03569.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 6.31 Date Analyzed: 04/21/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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-13 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03569.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 6.31 Date Analyzed: 04/21/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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-13 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03569.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 6.31 Date Analyzed: 04/21/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-14 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.16

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03571.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 6.27 Date Analyzed: 04/21/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 1800 | U |
| 107131 | Acrylonitrile | 1800 | U |
| 75650 | tert-Butyl alcohol | 3400 | U |
| 1634044 | Methyl-tert-Butyl ether | 790 | U |
| 108203 | Di-isopropyl ether | 520 | U |
| | Dichlorodifluoromethane | 1000 | U |
| 74-87-3 | Chloromethane | 260 | U |
| 75-01-4 | Vinyl Chloride | 790 | U |
| 74-83-9 | Bromomethane | 520 | U |
| 75-00-3 | Chloroethane | 790 | U |
| 75-69-4 | Trichlorofluoromethane | 520 | U |
| 75-35-4 | 1,1-Dichloroethene | 260 | U |
| 67-64-1 | Acetone | 520 | U |
| 75-15-0 | Carbon Disulfide | 260 | U |
| 75-09-2 | Methylene Chloride | 520 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 520 | U |
| 75-35-3 | 1,1-Dichloroethane | 260 | U |
| 108-05-4 | Vinyl Acetate | 790 | U |
| 78-93-3 | 2-Butanone | 790 | U |
| | cis-1,2-Dichloroethene | 260 | U |
| 67-66-3 | Chloroform | 260 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 260 | U |
| 56-23-5 | Carbon Tetrachloride | 520 | U |
| 71-43-2 | Benzene | 260 | U |
| 107-06-2 | 1,2-Dichloroethane | 520 | U |
| 79-01-6 | Trichloroethene | 260 | U |
| 78-87-5 | 1,2-Dichloropropane | 260 | U |
| 75-27-4 | Bromodichloromethane | 260 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 520 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 260 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 520 | U |
| 108-88-3 | Toluene | 260 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 520 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 520 | U |
| 127-18-4 | Tetrachloroethene | 260 | U |
| 591-78-6 | 2-Hexanone | 520 | U |
| 126-48-1 | Dibromochloromethane | 520 | U |
| 108-90-7 | Chlorobenzene | 260 | U |
| 100-41-4 | Ethylbenzene | 520 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-14 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.16

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03571.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 6.27 Date Analyzed: 04/21/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 790 | U |
| 1330-20-7 | o-Xylene | 520 | U |
| 100-42-5 | Styrene | 520 | U |
| 75-25-2 | Bromoform | 520 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 520 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-14 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.16

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03571.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 6.27 Date Analyzed: 04/21/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-15 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.20

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03577.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 21.49 Date Analyzed: 04/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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 | 5000 | |
| 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-15 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.20

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03577.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 21.49 Date Analyzed: 04/22/98

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

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

CONCENTRATION UNITS:

| 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
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-15 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.20

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03577.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 21.49 Date Analyzed: 04/22/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-16 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.04

Sample wt/vol: 9.3 (g/ml) G Lab File ID: V03607.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 26.17 Date Analyzed: 04/23/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 2500 | U |
| 107131 | Acrylonitrile | 2500 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-16 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.04

Sample wt/vol: 9.3 (g/ml) G Lab File ID: V03607.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 26.17 Date Analyzed: 04/23/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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.

**B-16 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.04

Sample wt/vol: 9.3 (g/ml) G Lab File ID: V03607.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 26.17 Date Analyzed: 04/23/98

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

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

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

Number TICs found: 3

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000108-87-2 | Cyclohexane, methyl- | 22.19 | 8900 | JN |
| 2. 027133-93-3 | 2,3-Dihydro-1-methylindene | 26.44 | 4600 | JN |
| 3. 017057-82-8 | 1H-Indene, 2,3-dihydro-1,2-dimet | 31.49 | 5700 | JN |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-17 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.08

Sample wt/vol: 8.4 (g/ml) G Lab File ID: V03609.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 25.02 Date Analyzed: 04/23/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 2800 | U |
| 107131 | Acrylonitrile | 2800 | U |
| 75650 | tert-Butyl alcohol | 5200 | 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-17 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.08

Sample wt/vol: 8.4 (g/ml) G Lab File ID: V03609.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 25.02 Date Analyzed: 04/23/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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-17 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.08

Sample wt/vol: 8.4 (g/ml) G Lab File ID: V03609.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 25.02 Date Analyzed: 04/23/98

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

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

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

Number TICs found: 1

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown hydrocarbon | 30.32 | 2600 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-18 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03618.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 29.19 Date Analyzed: 04/24/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 2500 | U |
| 107131 | Acrylonitrile | 2500 | U |
| 75650 | tert-Butyl alcohol | 4600 | U |
| 1634044 | Methyl-tert-Butyl ether | 1100 | U |
| 108203 | Di-isopropyl ether | 710 | U |
| | Dichlorodifluoromethane | 1400 | U |
| 74-87-3 | Chloromethane | 350 | U |
| 75-01-4 | Vinyl Chloride | 1100 | U |
| 74-83-9 | Bromomethane | 710 | U |
| 75-00-3 | Chloroethane | 1100 | U |
| 75-69-4 | Trichlorofluoromethane | 710 | U |
| 75-35-4 | 1,1-Dichloroethene | 350 | U |
| 67-64-1 | Acetone | 710 | U |
| 75-15-0 | Carbon Disulfide | 350 | U |
| 75-09-2 | Methylene Chloride | 710 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 710 | 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 | 710 | U |
| 71-43-2 | Benzene | 350 | U |
| 107-06-2 | 1,2-Dichloroethane | 710 | 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 | 710 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 350 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 710 | U |
| 108-88-3 | Toluene | 350 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 710 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 710 | U |
| 127-18-4 | Tetrachloroethene | 350 | U |
| 591-78-6 | 2-Hexanone | 710 | U |
| 126-48-1 | Dibromochloromethane | 710 | U |
| 108-90-7 | Chlorobenzene | 350 | U |
| 100-41-4 | Ethylbenzene | 710 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-18 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03618.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 29.19 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 1100 | U |
| 1330-20-7 | o-Xylene | 710 | U |
| 100-42-5 | Styrene | 710 | U |
| 75-25-2 | Bromoform | 710 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 710 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-18 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03618.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 29.19 Date Analyzed: 04/24/98

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

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

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

Number TICs found: 2

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown hydrocarbon | 13.17 | 3500 | J |
| 2. | unknown hydrocarbon | 30.32 | 2300 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-19 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03620.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 7.95 Date Analyzed: 04/24/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 2000 | U |
| 107131 | Acrylonitrile | 2000 | U |
| 75650 | tert-Butyl alcohol | 3700 | U |
| 1634044 | Methyl-tert-Butyl ether | 840 | U |
| 108203 | Di-isopropyl ether | 560 | U |
| | Dichlorodifluoromethane | 1100 | U |
| 74-87-3 | Chloromethane | 280 | U |
| 75-01-4 | Vinyl Chloride | 840 | U |
| 74-83-9 | Bromomethane | 560 | U |
| 75-00-3 | Chloroethane | 840 | U |
| 75-69-4 | Trichlorofluoromethane | 560 | U |
| 75-35-4 | 1,1-Dichloroethene | 280 | U |
| 67-64-1 | Acetone | 560 | U |
| 75-15-0 | Carbon Disulfide | 280 | U |
| 75-09-2 | Methylene Chloride | 560 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 560 | U |
| 75-35-3 | 1,1-Dichloroethane | 280 | U |
| 108-05-4 | Vinyl Acetate | 840 | U |
| 78-93-3 | 2-Butanone | 840 | U |
| | cis-1,2-Dichloroethene | 280 | U |
| 67-66-3 | Chloroform | 280 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 280 | U |
| 56-23-5 | Carbon Tetrachloride | 560 | U |
| 71-43-2 | Benzene | 280 | U |
| 107-06-2 | 1,2-Dichloroethane | 560 | U |
| 79-01-6 | Trichloroethene | 280 | U |
| 78-87-5 | 1,2-Dichloropropane | 280 | U |
| 75-27-4 | Bromodichloromethane | 280 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 560 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 280 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 560 | U |
| 108-88-3 | Toluene | 280 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 560 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 560 | U |
| 127-18-4 | Tetrachloroethene | 280 | U |
| 591-78-6 | 2-Hexanone | 560 | U |
| 126-48-1 | Dibromochloromethane | 560 | U |
| 108-90-7 | Chlorobenzene | 280 | U |
| 100-41-4 | Ethylbenzene | 560 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-19 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03620.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 7.95 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 840 | U |
| 1330-20-7 | o-Xylene | 560 | U |
| 100-42-5 | Styrene | 560 | U |
| 75-25-2 | Bromoform | 560 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 560 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-19 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03620.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 7.95 Date Analyzed: 04/24/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-20 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03625.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.91 Date Analyzed: 04/24/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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 | 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-20 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03625.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.91 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 790 | U |
| 1330-20-7 | o-Xylene | 530 | U |
| 100-42-5 | Styrene | 530 | U |
| 75-25-2 | Bromoform | 530 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 530 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-20 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03625.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.91 Date Analyzed: 04/24/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-21 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.08

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03627.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 1.69 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-21 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.08

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03627.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 1.69 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 780 | U |
| 1330-20-7 | o-Xylene | 520 | U |
| 100-42-5 | Styrene | 520 | U |
| 75-25-2 | Bromoform | 520 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 520 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-21 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.08

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03627.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 1.69 Date Analyzed: 04/24/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-22 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03629.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.96 Date Analyzed: 04/24/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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-22 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03629.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.96 Date Analyzed: 04/24/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-22 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03629.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.96 Date Analyzed: 04/24/98

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

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

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

Number TICs found: 1

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown hydrocarbon | 13.16 | 2700 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-23 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03639.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 8.97 Date Analyzed: 04/27/98

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 | 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 | 840 | U |
| 74-83-9 | Bromomethane | 560 | U |
| 75-00-3 | Chloroethane | 840 | U |
| 75-69-4 | Trichlorofluoromethane | 560 | U |
| 75-35-4 | 1,1-Dichloroethene | 280 | U |
| 67-64-1 | Acetone | 560 | U |
| 75-15-0 | Carbon Disulfide | 280 | U |
| 75-09-2 | Methylene Chloride | 560 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 560 | U |
| 75-35-3 | 1,1-Dichloroethane | 280 | U |
| 108-05-4 | Vinyl Acetate | 840 | U |
| 78-93-3 | 2-Butanone | 840 | U |
| | cis-1,2-Dichloroethene | 280 | U |
| 67-66-3 | Chloroform | 280 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 280 | U |
| 56-23-5 | Carbon Tetrachloride | 560 | U |
| 71-43-2 | Benzene | 280 | U |
| 107-06-2 | 1,2-Dichloroethane | 560 | U |
| 79-01-6 | Trichloroethene | 280 | U |
| 78-87-5 | 1,2-Dichloropropane | 280 | U |
| 75-27-4 | Bromodichloromethane | 280 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 560 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 280 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 560 | U |
| 108-88-3 | Toluene | 280 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 560 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 560 | U |
| 127-18-4 | Tetrachloroethene | 4800 | |
| 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-23 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03639.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 8.97 Date Analyzed: 04/27/98

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 | 840 | U |
| 1330-20-7 | o-Xylene | 560 | U |
| 100-42-5 | Styrene | 560 | U |
| 75-25-2 | Bromoform | 560 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 560 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-23 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03639.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 8.97 Date Analyzed: 04/27/98

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-24 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03641.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 18.92 Date Analyzed: 04/27/98

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 | 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 | 3200 | |
| 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-24 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03641.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 18.92 Date Analyzed: 04/27/98

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 | 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-24 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03641.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 18.92 Date Analyzed: 04/27/98

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-25 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.12

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03643.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 13.73 Date Analyzed: 04/27/98

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 | 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-25 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.12

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03643.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 13.73 Date Analyzed: 04/27/98

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 | 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-25 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.12

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03643.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 13.73 Date Analyzed: 04/27/98

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-26 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.16

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03645.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 21.67 Date Analyzed: 04/27/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-26 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.16

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03645.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 21.67 Date Analyzed: 04/27/98

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 | 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-26 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.16

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03645.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 21.67 Date Analyzed: 04/27/98

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-27 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03648.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 24.91 Date Analyzed: 04/27/98

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 | 2400 | U |
| 107131 | Acrylonitrile | 2400 | U |
| 75650 | tert-Butyl alcohol | 4400 | U |
| 1634044 | Methyl-tert-Butyl ether | 1000 | U |
| 108203 | Di-isopropyl ether | 670 | U |
| | Dichlorodifluoromethane | 1300 | U |
| 74-87-3 | Chloromethane | 340 | U |
| 75-01-4 | Vinyl Chloride | 1000 | U |
| 74-83-9 | Bromomethane | 670 | U |
| 75-00-3 | Chloroethane | 1000 | U |
| 75-69-4 | Trichlorofluoromethane | 670 | U |
| 75-35-4 | 1,1-Dichloroethene | 340 | U |
| 67-64-1 | Acetone | 670 | U |
| 75-15-0 | Carbon Disulfide | 340 | U |
| 75-09-2 | Methylene Chloride | 670 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 670 | 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 | 670 | U |
| 71-43-2 | Benzene | 340 | U |
| 107-06-2 | 1,2-Dichloroethane | 670 | 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 | 670 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 340 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 670 | U |
| 108-88-3 | Toluene | 340 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 670 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 670 | U |
| 127-18-4 | Tetrachloroethene | 340 | U |
| 591-78-6 | 2-Hexanone | 670 | U |
| 126-48-1 | Dibromochloromethane | 670 | U |
| 108-90-7 | Chlorobenzene | 340 | U |
| 100-41-4 | Ethylbenzene | 670 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-27 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03648.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 24.91 Date Analyzed: 04/27/98

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 | 1000 | U |
| 1330-20-7 | o-Xylene | 670 | U |
| 100-42-5 | Styrene | 670 | U |
| 75-25-2 | Bromoform | 670 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 670 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-27 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03648.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 24.91 Date Analyzed: 04/27/98

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 | 13.17 | 3800 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-28 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03656.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 12.44 Date Analyzed: 04/28/98

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 | 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-28 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03656.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 12.44 Date Analyzed: 04/28/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 860 | U |
| 1330-20-7 | o-Xylene | 570 | U |
| 100-42-5 | Styrene | 570 | U |
| 75-25-2 | Bromoform | 570 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 570 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-28 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03656.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 12.44 Date Analyzed: 04/28/98

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-29 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03658.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 3.95 Date Analyzed: 04/28/98

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 | 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-29 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03658.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 3.95 Date Analyzed: 04/28/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 790 | U |
| 1330-20-7 | o-Xylene | 530 | U |
| 100-42-5 | Styrene | 530 | U |
| 75-25-2 | Bromoform | 530 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 530 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-29 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03658.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 3.95 Date Analyzed: 04/28/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-30 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03660.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 9.19 Date Analyzed: 04/28/98

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-30 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03660.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 9.19 Date Analyzed: 04/28/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 850 | U |
| 1330-20-7 | o-Xylene | 570 | U |
| 100-42-5 | Styrene | 570 | U |
| 75-25-2 | Bromoform | 570 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 570 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-30 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03660.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 9.19 Date Analyzed: 04/28/98

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-31 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.03

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03663.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 6.99 Date Analyzed: 04/28/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-31 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.03

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03663.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 6.99 Date Analyzed: 04/28/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 780 | U |
| 1330-20-7 | o-Xylene | 520 | U |
| 100-42-5 | Styrene | 520 | U |
| 75-25-2 | Bromoform | 520 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 520 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-31 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.03

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03663.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 6.99 Date Analyzed: 04/28/98

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 |
|---|---|---|---|---|



000671

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-32 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03665.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 7.33 Date Analyzed: 04/28/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-32 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03665.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 7.33 Date Analyzed: 04/28/98

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 | 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-32 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03665.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 7.33 Date Analyzed: 04/28/98

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 |
|---|---|---|---|---|



000674

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-33 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.11

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03667.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 22.19 Date Analyzed: 04/28/98

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 | 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-33 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.11

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03667.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 22.19 Date Analyzed: 04/28/98

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 | 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-33 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.11

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03667.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 22.19 Date Analyzed: 04/28/98

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 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.15

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03674.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 45.49 Date Analyzed: 04/29/98

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 | 3100 | U |
| 107131 | Acrylonitrile | 3100 | U |
| 75650 | tert-Butyl alcohol | 5800 | 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-34 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.15

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03674.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 45.49 Date Analyzed: 04/29/98

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 | 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-34 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.15

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03674.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 45.49 Date Analyzed: 04/29/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-35 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.19

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03676.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 25.72 Date Analyzed: 04/29/98

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 | 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-35 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.19

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03676.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 25.72 Date Analyzed: 04/29/98

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 | 1000 | U |
| 1330-20-7 | o-Xylene | 680 | U |
| 100-42-5 | Styrene | 680 | U |
| 75-25-2 | Bromoform | 680 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 680 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-35 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.19

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03676.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 25.72 Date Analyzed: 04/29/98

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 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.03

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03679.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 4.7 Date Analyzed: 4/29/98

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 | 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

**B-36 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.03

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03679.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 4.7 Date Analyzed: 4/29/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 780 | U |
| 1330-20-7 | o-Xylene | 520 | U |
| 100-42-5 | Styrene | 520 | U |
| 75-25-2 | Bromoform | 520 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 520 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-36 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.03

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03679.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 4.7 Date Analyzed: 4/29/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-37 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03681.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 5.09 Date Analyzed: 4/29/98

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 | 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

**B-37 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03681.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 5.09 Date Analyzed: 4/29/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 780 | U |
| 1330-20-7 | o-Xylene | 520 | U |
| 100-42-5 | Styrene | 520 | U |
| 75-25-2 | Bromoform | 520 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 520 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-37 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03681.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 5.09 Date Analyzed: 4/29/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-38 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.11

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03683.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 27.5 Date Analyzed: 4/29/98

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 | 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 | 340 | 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 | 340 | U |
| 67-64-1 | Acetone | 690 | U |
| 75-15-0 | Carbon Disulfide | 340 | U |
| 75-09-2 | Methylene Chloride | 690 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 690 | 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 | 690 | U |
| 71-43-2 | Benzene | 340 | U |
| 107-06-2 | 1,2-Dichloroethane | 690 | 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 | 690 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 340 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 690 | U |
| 108-88-3 | Toluene | 340 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 690 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 690 | U |
| 127-18-4 | Tetrachloroethene | 410 | |
| 591-78-6 | 2-Hexanone | 690 | U |
| 126-48-1 | Dibromochloromethane | 690 | U |
| 108-90-7 | Chlorobenzene | 340 | U |
| 100-41-4 | Ethylbenzene | 690 | U |

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-38 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.11

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03683.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 27.5 Date Analyzed: 4/29/98

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 | 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.

**B-38 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.11

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03683.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 27.5 Date Analyzed: 4/29/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-39 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.15

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03685.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 10.48 Date Analyzed: 4/29/98

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-39 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.15

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03685.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 10.48 Date Analyzed: 4/29/98

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-39 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.15

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03685.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 10.48 Date Analyzed: 4/29/98

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 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**
**NJDEP LABORATORY CERTIFICATION # 13461**



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

# M-5 Landfill
# Volume II

# Table of Contents


| Section | Page No. |
|---|---|
| Volume I | |
| Sampling | 1 |
| Chain of Custody | 2-118 |
| GPS Maps | 119-128 |
| Landfill Cover | 128A-128C |
| Boring Logs | 129-302 |
| Field Duplicate Identification | 303-304 |
| Method Summary | 305-307 |
| Case Narrative | 308-309 |
| Laboratory Chronicle | 310-341 |
| Soil Clean-Up Criteria | 342-343 |
| Qualifier Codes | 344-345 |
| Analytical Results | 346 |
| Volatiles | 347 |
| Method Blanks | 348-456 |
| Trip Blanks | 457-549 |
| Field Duplicates | 550-577 |
| Samples | 578-695 |
| Volume II | |
| Samples (Cont.) | 696-1100 |
| Semi-Volatiles | 1101 |
| Method Blanks | 1102-1186 |
| Field Duplicates | 1187-1214 |
| Samples | 1215-1430 |
| Volume III | |
| Samples (Cont.) | 1431-1744 |
| Pest/PCB's | 1745 |
| Method Blanks | 1746-1779 |
| Field Duplicates | 1780-1789 |
| Samples | 1790-1963 |
| Metals | 1964 |
| Method blanks | 1965-1973 |
| Field Duplicates | 1974-1983 |
| Samples | 1984-2157 |

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-40 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.19

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03693.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 16.71 Date Analyzed: 4/30/98

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 | 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 | 320 | U |
| 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 | 320 | U |
| 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 | 320 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 630 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 630 | U |
| 127-18-4 | Tetrachloroethene | 3100 | |
| 591-78-6 | 2-Hexanone | 630 | U |
| 126-48-1 | Dibromochloromethane | 630 | U |
| 108-90-7 | Chlorobenzene | 320 | U |
| 100-41-4 | Ethylbenzene | 630 | U |

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-40 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.19

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03693.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 16.71 Date Analyzed: 4/30/98

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 | 950 | U |
| 1330-20-7 | o-Xylene | 630 | U |
| 100-42-5 | Styrene | 630 | U |
| 75-25-2 | Bromoform | 630 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 630 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-40 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.19

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03693.D

Level: (low/med) MED Date Received: 4/22/98

% Moisture: not dec. 16.71 Date Analyzed: 4/30/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-41 30"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.03

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03715.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 21.92 Date Analyzed: 05/05/98

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 | 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-41 30"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.03

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03715.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 21.92 Date Analyzed: 05/05/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 1000 | U |
| 1330-20-7 | o-Xylene | 680 | U |
| 100-42-5 | Styrene | 680 | U |
| 75-25-2 | Bromoform | 680 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 680 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID. **B-41 30"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.03

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03715.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 21.92 Date Analyzed: 05/05/98

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: 2

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 001680-51-9 | Naphthalene, 1,2,3,4-tetrahydro-6 | 30.91 | 21000 | JN |
| 2. | unknown | 31.26 | 1700 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-42 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.07

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03717.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 12.4 Date Analyzed: 05/05/98

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 | 860 | U |
| 108203 | Di-isopropyl ether | 580 | U |
| | Dichlorodifluoromethane | 1200 | U |
| 74-87-3 | Chloromethane | 290 | U |
| 75-01-4 | Vinyl Chloride | 860 | U |
| 74-83-9 | Bromomethane | 580 | U |
| 75-00-3 | Chloroethane | 860 | U |
| 75-69-4 | Trichlorofluoromethane | 580 | U |
| 75-35-4 | 1,1-Dichloroethene | 290 | U |
| 67-64-1 | Acetone | 580 | U |
| 75-15-0 | Carbon Disulfide | 290 | U |
| 75-09-2 | Methylene Chloride | 580 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 580 | U |
| 75-35-3 | 1,1-Dichloroethane | 290 | U |
| 108-05-4 | Vinyl Acetate | 860 | U |
| 78-93-3 | 2-Butanone | 860 | U |
| | cis-1,2-Dichloroethene | 290 | U |
| 67-66-3 | Chloroform | 290 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 290 | U |
| 56-23-5 | Carbon Tetrachloride | 580 | U |
| 71-43-2 | Benzene | 290 | U |
| 107-06-2 | 1,2-Dichloroethane | 580 | U |
| 79-01-6 | Trichloroethene | 290 | U |
| 78-87-5 | 1,2-Dichloropropane | 290 | U |
| 75-27-4 | Bromodichloromethane | 290 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 580 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 290 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 580 | U |
| 108-88-3 | Toluene | 290 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 580 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 580 | U |
| 127-18-4 | Tetrachloroethene | 290 | U |
| 591-78-6 | 2-Hexanone | 580 | U |
| 126-48-1 | Dibromochloromethane | 580 | U |
| 108-90-7 | Chlorobenzene | 290 | U |
| 100-41-4 | Ethylbenzene | 580 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-42 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.07

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03717.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 12.4 Date Analyzed: 05/05/98

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 | 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

**B-42 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.07

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03717.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 12.4 Date Analyzed: 05/05/98

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 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.03

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03720.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 17.4 Date Analyzed: 05/05/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-43 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.03

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03720.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 17.4 Date Analyzed: 05/05/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-43 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.03

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03720.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 17.4 Date Analyzed: 05/05/98

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 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.07

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03722.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 24.2 Date Analyzed: 05/05/98

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 | 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 | 340 | 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 | 340 | U |
| 67-64-1 | Acetone | 690 | U |
| 75-15-0 | Carbon Disulfide | 340 | U |
| 75-09-2 | Methylene Chloride | 690 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 690 | 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 | 690 | U |
| 71-43-2 | Benzene | 340 | U |
| 107-06-2 | 1,2-Dichloroethane | 690 | 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 | 690 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 340 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 690 | U |
| 108-88-3 | Toluene | 340 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 690 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 690 | U |
| 127-18-4 | Tetrachloroethene | 340 | U |
| 591-78-6 | 2-Hexanone | 690 | U |
| 126-48-1 | Dibromochloromethane | 690 | U |
| 108-90-7 | Chlorobenzene | 340 | U |
| 100-41-4 | Ethylbenzene | 690 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-44 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.07

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03722.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 24.2 Date Analyzed: 05/05/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 1000 | U |
| 1330-20-7 | o-Xylene | 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-44 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.07

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03722.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 24.2 Date Analyzed: 05/05/98

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 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.11

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03732.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 20.3 Date Analyzed: 05/06/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-45 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.11

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03732.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 20.3 Date Analyzed: 05/06/98

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 | 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-45 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.11

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03732.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 20.3 Date Analyzed: 05/06/98

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: 1

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown hydrocarbon | 14.46 | 1800 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-46 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.15

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03734.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 23.4 Date Analyzed: 05/06/98

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 | 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 | 450 | |
| 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-46 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.15

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03734.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 23.4 Date Analyzed: 05/06/98

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 | 1000 | U |
| 1330-20-7 | o-Xylene | 680 | U |
| 100-42-5 | Styrene | 680 | U |
| 75-25-2 | Bromoform | 680 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 680 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-46 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.15

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03734.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 23.4 Date Analyzed: 05/06/98

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: 1

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown hydrocarbon | 14.45 | 1500 | J |

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-47 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.03

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03776.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 6.2 Date Analyzed: 05/18/98

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-47 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.03

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03776.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 6.2 Date Analyzed: 05/18/98

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-47 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.03

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03776.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 6.2 Date Analyzed: 05/18/98

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 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.07

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03757.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 5.6 Date Analyzed: 05/15/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-48 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.07

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03757.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 5.6 Date Analyzed: 05/15/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 800 | U |
| 1330-20-7 | o-Xylene | 530 | U |
| 100-42-5 | Styrene | 530 | U |
| 75-25-2 | Bromoform | 530 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 530 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-48 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.07

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03757.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 5.6 Date Analyzed: 05/15/98

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. 000091-57-6 | Naphthalene, 2-methyl- | 31.81 | 2300 | JN |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-49 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.11

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03759.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 7.3 Date Analyzed: 05/15/98

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-49 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.11

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03759.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 7.3 Date Analyzed: 05/15/98

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-49 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.11

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03759.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 7.3 Date Analyzed: 05/15/98

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: 3

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown hydrocarbon | 11.92 | 10000 | J |
| 2. 001120-21-4 | Undecane | 25.58 | 2400 | JN |
| 3. 000124-18-5 | Decane | 31.88 | 2100 | JN |

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-50 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.15

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03761.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 6.2 Date Analyzed: 05/15/98

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-50 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.15

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03761.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 6.2 Date Analyzed: 05/15/98

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-50 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.15

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03761.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 6.2 Date Analyzed: 05/15/98

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 | 30.45 | 7600 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-51 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.19

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03778.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 8.7 Date Analyzed: 05/18/98

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 | 840 | U |
| 108203 | Di-isopropyl ether | 560 | U |
| | Dichlorodifluoromethane | 1100 | U |
| 74-87-3 | Chloromethane | 280 | U |
| 75-01-4 | Vinyl Chloride | 840 | U |
| 74-83-9 | Bromomethane | 560 | U |
| 75-00-3 | Chloroethane | 840 | U |
| 75-69-4 | Trichlorofluoromethane | 560 | U |
| 75-35-4 | 1,1-Dichloroethene | 280 | U |
| 67-64-1 | Acetone | 560 | U |
| 75-15-0 | Carbon Disulfide | 280 | U |
| 75-09-2 | Methylene Chloride | 560 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 560 | U |
| 75-35-3 | 1,1-Dichloroethane | 280 | U |
| 108-05-4 | Vinyl Acetate | 840 | U |
| 78-93-3 | 2-Butanone | 840 | U |
| | cis-1,2-Dichloroethene | 280 | U |
| 67-66-3 | Chloroform | 280 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 280 | U |
| 56-23-5 | Carbon Tetrachloride | 560 | U |
| 71-43-2 | Benzene | 280 | U |
| 107-06-2 | 1,2-Dichloroethane | 560 | U |
| 79-01-6 | Trichloroethene | 280 | U |
| 78-87-5 | 1,2-Dichloropropane | 280 | U |
| 75-27-4 | Bromodichloromethane | 280 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 560 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 280 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 560 | U |
| 108-88-3 | Toluene | 280 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 560 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 560 | U |
| 127-18-4 | Tetrachloroethene | 280 | U |
| 591-78-6 | 2-Hexanone | 560 | U |
| 126-48-1 | Dibromochloromethane | 560 | U |
| 108-90-7 | Chlorobenzene | 280 | U |
| 100-41-4 | Ethylbenzene | 560 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-51 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 3547.19

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03778.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 8.7 Date Analyzed: 05/18/98

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 | 840 | U |
| 1330-20-7 | o-Xylene | 560 | U |
| 100-42-5 | Styrene | 560 | U |
| 75-25-2 | Bromoform | 560 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 560 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-51 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.19

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03778.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 8.7 Date Analyzed: 05/18/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-52 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.04

Sample wt/vol: 9.0 (g/ml) G Lab File ID: V03781.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 9.9 Date Analyzed: 05/18/98

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 | 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-52 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.04

Sample wt/vol: 9.0 (g/ml) G Lab File ID: V03781.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 9.9 Date Analyzed: 05/18/98

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 | 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-52 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.04

Sample wt/vol: 9.0 (g/ml) G Lab File ID: V03781.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 9.9 Date Analyzed: 05/18/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-53 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03794.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 6.5 Date Analyzed: 05/19/98

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-53 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03794.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 6.5 Date Analyzed: 05/19/98

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 | 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-53 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03794.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 6.5 Date Analyzed: 05/19/98

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: 4

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000095-63-6 | Benzene, 1,2,4-trimethyl- | 19.04 | 24000 | JN |
| 2. 000526-73-8 | Benzene, 1,2,3-trimethyl- | 24.95 | 5300 | JN |
| 3. 000496-11-7 | Indane | 27.42 | 6700 | JN |
| 4. 000933-98-2 | Benzene, 1-ethyl-2,3-dimethyl- | 29.70 | 1700 | JN |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-54 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.12

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03796.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 10.4 Date Analyzed: 05/19/98

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 | 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-54 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.12

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03796.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 10.4 Date Analyzed: 05/19/98

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-54 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.12

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03796.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 10.4 Date Analyzed: 05/19/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-55 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03798.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 16.8 Date Analyzed: 05/19/98

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 | 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-55 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03798.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 16.8 Date Analyzed: 05/19/98

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 | 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-55 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03798.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 16.8 Date Analyzed: 05/19/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-56 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.03

Sample wt/vol: 9.1 (g/ml) G Lab File ID: V03805.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 14.9 Date Analyzed: 05/21/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 2300 | U |
| 107131 | Acrylonitrile | 2300 | U |
| 75650 | tert-Butyl alcohol | 4200 | U |
| 1634044 | Methyl-tert-Butyl ether | 970 | U |
| 108203 | Di-isopropyl ether | 640 | U |
| | Dichlorodifluoromethane | 1300 | U |
| 74-87-3 | Chloromethane | 320 | U |
| 75-01-4 | Vinyl Chloride | 970 | U |
| 74-83-9 | Bromomethane | 640 | U |
| 75-00-3 | Chloroethane | 970 | 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 | 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 | 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-56 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.03

Sample wt/vol: 9.1 (g/ml) G Lab File ID: V03805.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 14.9 Date Analyzed: 05/21/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 970 | U |
| 1330-20-7 | o-Xylene | 640 | U |
| 100-42-5 | Styrene | 640 | U |
| 75-25-2 | Bromoform | 640 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 640 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-56 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.03

Sample wt/vol: 9.1 (g/ml) G Lab File ID: V03805.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 14.9 Date Analyzed: 05/21/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-57 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.07

Sample wt/vol: 9.0 (g/ml) G Lab File ID: V03807.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 23.1 Date Analyzed: 05/21/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-57 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.07

Sample wt/vol: 9.0 (g/ml) G Lab File ID: V03807.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 23.1 Date Analyzed: 05/21/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 1100 | U |
| 1330-20-7 | o-Xylene | 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.

**B-57 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.07

Sample wt/vol: 9.0 (g/ml) G Lab File ID: V03807.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 23.1 Date Analyzed: 05/21/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-58 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.11

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03809.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 7.9 Date Analyzed: 05/21/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 2000 | U |
| 107131 | Acrylonitrile | 2000 | U |
| 75650 | tert-Butyl alcohol | 3700 | U |
| 1634044 | Methyl-tert-Butyl ether | 840 | U |
| 108203 | Di-isopropyl ether | 560 | U |
| | Dichlorodifluoromethane | 1100 | U |
| 74-87-3 | Chloromethane | 280 | U |
| 75-01-4 | Vinyl Chloride | 840 | U |
| 74-83-9 | Bromomethane | 560 | U |
| 75-00-3 | Chloroethane | 840 | U |
| 75-69-4 | Trichlorofluoromethane | 560 | U |
| 75-35-4 | 1,1-Dichloroethene | 280 | U |
| 67-64-1 | Acetone | 560 | U |
| 75-15-0 | Carbon Disulfide | 280 | U |
| 75-09-2 | Methylene Chloride | 560 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 560 | U |
| 75-35-3 | 1,1-Dichloroethane | 280 | U |
| 108-05-4 | Vinyl Acetate | 840 | U |
| 78-93-3 | 2-Butanone | 840 | U |
| | cis-1,2-Dichloroethene | 280 | U |
| 67-66-3 | Chloroform | 280 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 280 | U |
| 56-23-5 | Carbon Tetrachloride | 560 | U |
| 71-43-2 | Benzene | 280 | U |
| 107-06-2 | 1,2-Dichloroethane | 560 | U |
| 79-01-6 | Trichloroethene | 280 | U |
| 78-87-5 | 1,2-Dichloropropane | 280 | U |
| 75-27-4 | Bromodichloromethane | 280 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 560 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 280 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 560 | U |
| 108-88-3 | Toluene | 280 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 560 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 560 | U |
| 127-18-4 | Tetrachloroethene | 280 | U |
| 591-78-6 | 2-Hexanone | 560 | U |
| 126-48-1 | Dibromochloromethane | 560 | U |
| 108-90-7 | Chlorobenzene | 280 | U |
| 100-41-4 | Ethylbenzene | 560 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-58 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.11

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03809.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 7.9 Date Analyzed: 05/21/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 840 | U |
| 1330-20-7 | o-Xylene | 560 | U |
| 100-42-5 | Styrene | 560 | U |
| 75-25-2 | Bromoform | 560 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 560 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-58 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.11

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03809.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 7.9 Date Analyzed: 05/21/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-59 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.15

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03823.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 7.9 Date Analyzed: 05/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-59 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.15

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03823.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 7.9 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 800 | U |
| 1330-20-7 | o-Xylene | 530 | U |
| 100-42-5 | Styrene | 530 | U |
| 75-25-2 | Bromoform | 530 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 530 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-59 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.15

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03823.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 7.9 Date Analyzed: 05/22/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-60 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.03

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03816.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 11 Date Analyzed: 05/21/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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-60 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.03

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03816.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 11 Date Analyzed: 05/21/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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-60 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.03

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03816.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 11 Date Analyzed: 05/21/98

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

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

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

Number TICs found: 1

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 14.49 | 1700 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-61 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03824.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 7.8 Date Analyzed: 05/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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-61 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03824.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 7.8 Date Analyzed: 05/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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-61 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03824.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 7.8 Date Analyzed: 05/22/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-62 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.11

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03826.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 9.6 Date Analyzed: 05/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

**B-62 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.11

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03826.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 9.6 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

| 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 |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-62 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.11

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03826.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 9.6 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-63 20"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.15

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03828.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 7.2 Date Analyzed: 05/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-63 20"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.15

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03828.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 7.2 Date Analyzed: 05/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-63 20"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.15

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03828.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 7.2 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|



000767

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-63 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.16

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03829.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 6.1 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (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 | 520 | U |
| | Dichlorodifluoromethane | 1000 | U |
| 74-87-3 | Chloromethane | 260 | U |
| 75-01-4 | Vinyl Chloride | 790 | U |
| 74-83-9 | Bromomethane | 520 | U |
| 75-00-3 | Chloroethane | 790 | U |
| 75-69-4 | Trichlorofluoromethane | 520 | U |
| 75-35-4 | 1,1-Dichloroethene | 260 | U |
| 67-64-1 | Acetone | 520 | U |
| 75-15-0 | Carbon Disulfide | 260 | U |
| 75-09-2 | Methylene Chloride | 520 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 520 | U |
| 75-35-3 | 1,1-Dichloroethane | 260 | U |
| 108-05-4 | Vinyl Acetate | 790 | U |
| 78-93-3 | 2-Butanone | 790 | U |
| | cis-1,2-Dichloroethene | 260 | U |
| 67-66-3 | Chloroform | 260 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 260 | U |
| 56-23-5 | Carbon Tetrachloride | 520 | U |
| 71-43-2 | Benzene | 260 | U |
| 107-06-2 | 1,2-Dichloroethane | 520 | U |
| 79-01-6 | Trichloroethene | 260 | U |
| 78-87-5 | 1,2-Dichloropropane | 260 | U |
| 75-27-4 | Bromodichloromethane | 260 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 520 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 260 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 520 | U |
| 108-88-3 | Toluene | 260 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 520 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 520 | U |
| 127-18-4 | Tetrachloroethene | 260 | U |
| 591-78-6 | 2-Hexanone | 520 | U |
| 126-48-1 | Dibromochloromethane | 520 | U |
| 108-90-7 | Chlorobenzene | 260 | U |
| 100-41-4 | Ethylbenzene | 520 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-63 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.16

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03829.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 6.1 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 790 | U |
| 1330-20-7 | o-Xylene | 520 | U |
| 100-42-5 | Styrene | 520 | U |
| 75-25-2 | Bromoform | 520 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 520 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-63 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.16

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03829.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 6.1 Date Analyzed: 05/22/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-64 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.20

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03831.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 7.9 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

| 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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-64 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.20

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03831.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 7.9 Date Analyzed: 05/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 800 | U |
| 1330-20-7 | o-Xylene | 530 | U |
| 100-42-5 | Styrene | 530 | U |
| 75-25-2 | Bromoform | 530 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 530 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-64 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.20

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03831.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 7.9 Date Analyzed: 05/22/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-65 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.03

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03836.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 8.6 Date Analyzed: 05/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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-65 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.03

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03836.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 8.6 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

| 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
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-65 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.03

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03836.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 8.6 Date Analyzed: 05/22/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|



000776

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-66 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.07

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03838.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 8.3 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

| 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 | 800 | U |
| 108203 | Di-isopropyl ether | 540 | U |
| | Dichlorodifluoromethane | 1100 | U |
| 74-87-3 | Chloromethane | 270 | U |
| 75-01-4 | Vinyl Chloride | 800 | U |
| 74-83-9 | Bromomethane | 540 | U |
| 75-00-3 | Chloroethane | 800 | U |
| 75-69-4 | Trichlorofluoromethane | 540 | U |
| 75-35-4 | 1,1-Dichloroethene | 270 | U |
| 67-64-1 | Acetone | 540 | U |
| 75-15-0 | Carbon Disulfide | 270 | U |
| 75-09-2 | Methylene Chloride | 540 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 540 | U |
| 75-35-3 | 1,1-Dichloroethane | 270 | U |
| 108-05-4 | Vinyl Acetate | 800 | U |
| 78-93-3 | 2-Butanone | 800 | U |
| | cis-1,2-Dichloroethene | 270 | U |
| 67-66-3 | Chloroform | 270 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 270 | U |
| 56-23-5 | Carbon Tetrachloride | 540 | U |
| 71-43-2 | Benzene | 270 | U |
| 107-06-2 | 1,2-Dichloroethane | 540 | U |
| 79-01-6 | Trichloroethene | 270 | U |
| 78-87-5 | 1,2-Dichloropropane | 270 | U |
| 75-27-4 | Bromodichloromethane | 270 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 540 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 270 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 540 | U |
| 108-88-3 | Toluene | 270 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 540 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 540 | U |
| 127-18-4 | Tetrachloroethene | 270 | U |
| 591-78-6 | 2-Hexanone | 540 | U |
| 126-48-1 | Dibromochloromethane | 540 | U |
| 108-90-7 | Chlorobenzene | 270 | U |
| 100-41-4 | Ethylbenzene | 540 | U |

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-66 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.07

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03838.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 8.3 Date Analyzed: 05/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 800 | U |
| 1330-20-7 | o-Xylene | 540 | U |
| 100-42-5 | Styrene | 540 | U |
| 75-25-2 | Bromoform | 540 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 540 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-66 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.07

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03838.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 8.3 Date Analyzed: 05/22/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-67 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.11

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03843.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 10.3 Date Analyzed: 05/26/98

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-67 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.11

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03843.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 10.3 Date Analyzed: 05/26/98

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-67 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.11

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03843.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 10.3 Date Analyzed: 05/26/98

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-68 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.14

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03844.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 24.2 Date Analyzed: 05/26/98

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 | 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 | 1600 | |
| 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-68 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.14

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03844.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 24.2 Date Analyzed: 05/26/98

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 | 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-68 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.14

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03844.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 24.2 Date Analyzed: 05/26/98

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-69 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.18

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03846.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 17.8 Date Analyzed: 05/26/98

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-69 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.18

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03846.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 17.8 Date Analyzed: 05/26/98

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-69 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.18

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03846.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 17.8 Date Analyzed: 05/26/98

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 |
|---|---|---|---|---|



000788

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-70 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.03

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03853.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 18.2 Date Analyzed: 05/26/98

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-70 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.03

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03853.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 18.2 Date Analyzed: 05/26/98

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-70 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.03

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03853.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 18.2 Date Analyzed: 05/26/98

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: 3

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown hydrocarbon | 27.86 | 3600 | J |
| 2. | unknown | 30.32 | 8400 | J |
| 3. | unknown | 31.76 | 13000 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-71 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.07

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03855.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 9.9 Date Analyzed: 05/26/98

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 | 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-71 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.07

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03855.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 9.9 Date Analyzed: 05/26/98

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 | 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-71 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.07

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03855.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 9.9 Date Analyzed: 05/26/98

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. 002809-64-5 | Naphthalene, 1,2,3,4-tetrahydro-5 | 30.87 | 1700 | JN |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-72 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.11

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03862.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 14.3 Date Analyzed: 05/27/98

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 | 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 | 310 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-72 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.11

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03862.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 14.3 Date Analyzed: 05/27/98

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 | 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-72 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.11

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03862.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 14.3 Date Analyzed: 05/27/98

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 |
|---|---|---|---|---|



000797

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-73 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.15

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03864.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 13.1 Date Analyzed: 05/27/98

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 | 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-73 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.15

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03864.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 13.1 Date Analyzed: 05/27/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 850 | U |
| 1330-20-7 | o-Xylene | 570 | U |
| 100-42-5 | Styrene | 570 | U |
| 75-25-2 | Bromoform | 570 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 570 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-73 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.15

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03864.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 13.1 Date Analyzed: 05/27/98

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-74 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03866.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 6.85 Date Analyzed: 05/27/98

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 | 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-74 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03866.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 6.85 Date Analyzed: 05/27/98

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 | 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-74 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03866.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 6.85 Date Analyzed: 05/27/98

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-75 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03867.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 8.15 Date Analyzed: 05/27/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-75 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03867.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 8.15 Date Analyzed: 05/27/98

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 | 800 | U |
| 1330-20-7 | o-Xylene | 530 | U |
| 100-42-5 | Styrene | 530 | U |
| 75-25-2 | Bromoform | 530 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 530 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-75 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03867.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 8.15 Date Analyzed: 05/27/98

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-76 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.09

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03868.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.47 Date Analyzed: 05/27/98

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 | 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 | 770 | |
| 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-76 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.09

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03868.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.47 Date Analyzed: 05/27/98

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 | 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-76 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.09

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03868.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.47 Date Analyzed: 05/27/98

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-77 30"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03869.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 31.11 Date Analyzed: 05/27/98

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 | 4700 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-77 30"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03869.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 31.11 Date Analyzed: 05/27/98

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 | 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.

**B-77 30"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03869.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 31.11 Date Analyzed: 05/27/98

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-78 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.15

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03870.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 12.42 Date Analyzed: 05/27/98

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 | 1900 | U |
| 107131 | Acrylonitrile | 1900 | 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 | 840 | U |
| 74-83-9 | Bromomethane | 560 | U |
| 75-00-3 | Chloroethane | 840 | U |
| 75-69-4 | Trichlorofluoromethane | 560 | U |
| 75-35-4 | 1,1-Dichloroethene | 280 | U |
| 67-64-1 | Acetone | 560 | U |
| 75-15-0 | Carbon Disulfide | 280 | U |
| 75-09-2 | Methylene Chloride | 560 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 560 | U |
| 75-35-3 | 1,1-Dichloroethane | 280 | U |
| 108-05-4 | Vinyl Acetate | 840 | U |
| 78-93-3 | 2-Butanone | 840 | U |
| | cis-1,2-Dichloroethene | 280 | U |
| 67-66-3 | Chloroform | 280 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 280 | U |
| 56-23-5 | Carbon Tetrachloride | 560 | U |
| 71-43-2 | Benzene | 280 | U |
| 107-06-2 | 1,2-Dichloroethane | 560 | U |
| 79-01-6 | Trichloroethene | 280 | U |
| 78-87-5 | 1,2-Dichloropropane | 280 | U |
| 75-27-4 | Bromodichloromethane | 280 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 560 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 280 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 560 | U |
| 108-88-3 | Toluene | 280 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 560 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 560 | U |
| 127-18-4 | Tetrachloroethene | 280 | U |
| 591-78-6 | 2-Hexanone | 560 | U |
| 126-48-1 | Dibromochloromethane | 560 | U |
| 108-90-7 | Chlorobenzene | 280 | U |
| 100-41-4 | Ethylbenzene | 560 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-78 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.15

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03870.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 12.42 Date Analyzed: 05/27/98

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 | 840 | U |
| 1330-20-7 | o-Xylene | 560 | U |
| 100-42-5 | Styrene | 560 | U |
| 75-25-2 | Bromoform | 560 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 560 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-78 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.15

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03870.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 12.42 Date Analyzed: 05/27/98

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-79 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03872.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.8 Date Analyzed: 05/27/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-79 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03872.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.8 Date Analyzed: 05/27/98

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 | 860 | U |
| 1330-20-7 | o-Xylene | 580 | U |
| 100-42-5 | Styrene | 580 | U |
| 75-25-2 | Bromoform | 580 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 580 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-79 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03872.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.8 Date Analyzed: 05/27/98

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-80 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.23

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03874.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.01 Date Analyzed: 05/27/98

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 | 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 | 840 | U |
| 74-83-9 | Bromomethane | 560 | U |
| 75-00-3 | Chloroethane | 840 | U |
| 75-69-4 | Trichlorofluoromethane | 560 | U |
| 75-35-4 | 1,1-Dichloroethene | 280 | U |
| 67-64-1 | Acetone | 560 | U |
| 75-15-0 | Carbon Disulfide | 280 | U |
| 75-09-2 | Methylene Chloride | 560 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 560 | U |
| 75-35-3 | 1,1-Dichloroethane | 280 | U |
| 108-05-4 | Vinyl Acetate | 840 | U |
| 78-93-3 | 2-Butanone | 840 | U |
| | cis-1,2-Dichloroethene | 280 | U |
| 67-66-3 | Chloroform | 280 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 280 | U |
| 56-23-5 | Carbon Tetrachloride | 560 | U |
| 71-43-2 | Benzene | 280 | U |
| 107-06-2 | 1,2-Dichloroethane | 560 | U |
| 79-01-6 | Trichloroethene | 280 | U |
| 78-87-5 | 1,2-Dichloropropane | 280 | U |
| 75-27-4 | Bromodichloromethane | 280 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 560 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 280 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 560 | U |
| 108-88-3 | Toluene | 280 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 560 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 560 | U |
| 127-18-4 | Tetrachloroethene | 280 | U |
| 591-78-6 | 2-Hexanone | 560 | U |
| 126-48-1 | Dibromochloromethane | 560 | U |
| 108-90-7 | Chlorobenzene | 280 | U |
| 100-41-4 | Ethylbenzene | 560 | U |

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-80 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.23

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03874.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.01 Date Analyzed: 05/27/98

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 | 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-80 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.23

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03874.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.01 Date Analyzed: 05/27/98

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-81 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.27

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03876.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 11.22 Date Analyzed: 05/27/98

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 | 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 | 840 | U |
| 74-83-9 | Bromomethane | 560 | U |
| 75-00-3 | Chloroethane | 840 | U |
| 75-69-4 | Trichlorofluoromethane | 560 | U |
| 75-35-4 | 1,1-Dichloroethene | 280 | U |
| 67-64-1 | Acetone | 560 | U |
| 75-15-0 | Carbon Disulfide | 280 | U |
| 75-09-2 | Methylene Chloride | 560 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 560 | U |
| 75-35-3 | 1,1-Dichloroethane | 280 | U |
| 108-05-4 | Vinyl Acetate | 840 | U |
| 78-93-3 | 2-Butanone | 840 | U |
| | cis-1,2-Dichloroethene | 280 | U |
| 67-66-3 | Chloroform | 280 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 280 | U |
| 56-23-5 | Carbon Tetrachloride | 560 | U |
| 71-43-2 | Benzene | 280 | U |
| 107-06-2 | 1,2-Dichloroethane | 560 | U |
| 79-01-6 | Trichloroethene | 280 | U |
| 78-87-5 | 1,2-Dichloropropane | 280 | U |
| 75-27-4 | Bromodichloromethane | 280 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 560 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 280 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 560 | U |
| 108-88-3 | Toluene | 280 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 560 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 560 | U |
| 127-18-4 | Tetrachloroethene | 280 | U |
| 591-78-6 | 2-Hexanone | 560 | U |
| 126-48-1 | Dibromochloromethane | 560 | U |
| 108-90-7 | Chlorobenzene | 280 | U |
| 100-41-4 | Ethylbenzene | 560 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-81 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.27

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03876.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 11.22 Date Analyzed: 05/27/98

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 | 840 | U |
| 1330-20-7 | o-Xylene | 560 | U |
| 100-42-5 | Styrene | 560 | U |
| 75-25-2 | Bromoform | 560 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 560 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-81 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.27

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03876.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 11.22 Date Analyzed: 05/27/98

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-82 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.31

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03906.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 8.21 Date Analyzed: 05/29/98

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-82 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.31

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03906.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 8.21 Date Analyzed: 05/29/98

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-82 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.31

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03906.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 8.21 Date Analyzed: 05/29/98

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-83 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.35

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03908.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 5.03 Date Analyzed: 05/29/98

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-83 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.35

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03908.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 5.03 Date Analyzed: 05/29/98

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-83 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.35

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03908.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 5.03 Date Analyzed: 05/29/98

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-84 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.03

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03913.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 7.45 Date Analyzed: 05/29/98

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 | 770 | U |
| 108203 | Di-isopropyl ether | 510 | U |
| | Dichlorodifluoromethane | 1000 | U |
| 74-87-3 | Chloromethane | 260 | U |
| 75-01-4 | Vinyl Chloride | 770 | U |
| 74-83-9 | Bromomethane | 510 | U |
| 75-00-3 | Chloroethane | 770 | U |
| 75-69-4 | Trichlorofluoromethane | 510 | U |
| 75-35-4 | 1,1-Dichloroethene | 260 | U |
| 67-64-1 | Acetone | 510 | U |
| 75-15-0 | Carbon Disulfide | 260 | U |
| 75-09-2 | Methylene Chloride | 510 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 510 | U |
| 75-35-3 | 1,1-Dichloroethane | 260 | U |
| 108-05-4 | Vinyl Acetate | 770 | U |
| 78-93-3 | 2-Butanone | 770 | U |
| | cis-1,2-Dichloroethene | 260 | U |
| 67-66-3 | Chloroform | 260 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 260 | U |
| 56-23-5 | Carbon Tetrachloride | 510 | U |
| 71-43-2 | Benzene | 260 | U |
| 107-06-2 | 1,2-Dichloroethane | 510 | U |
| 79-01-6 | Trichloroethene | 260 | U |
| 78-87-5 | 1,2-Dichloropropane | 260 | U |
| 75-27-4 | Bromodichloromethane | 260 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 510 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 260 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 510 | U |
| 108-88-3 | Toluene | 260 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 510 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 510 | U |
| 127-18-4 | Tetrachloroethene | 260 | U |
| 591-78-6 | 2-Hexanone | 510 | U |
| 126-48-1 | Dibromochloromethane | 510 | U |
| 108-90-7 | Chlorobenzene | 260 | U |
| 100-41-4 | Ethylbenzene | 510 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-84 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.03

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03913.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 7.45 Date Analyzed: 05/29/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 770 | U |
| 1330-20-7 | o-Xylene | 510 | U |
| 100-42-5 | Styrene | 510 | U |
| 75-25-2 | Bromoform | 510 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 510 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-84 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.03

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03913.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 7.45 Date Analyzed: 05/29/98

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-85 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.07

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03915.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 7.08 Date Analyzed: 05/29/98

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 | 770 | U |
| 108203 | Di-isopropyl ether | 510 | U |
| | Dichlorodifluoromethane | 1000 | U |
| 74-87-3 | Chloromethane | 260 | U |
| 75-01-4 | Vinyl Chloride | 770 | U |
| 74-83-9 | Bromomethane | 510 | U |
| 75-00-3 | Chloroethane | 770 | U |
| 75-69-4 | Trichlorofluoromethane | 510 | U |
| 75-35-4 | 1,1-Dichloroethene | 260 | U |
| 67-64-1 | Acetone | 510 | U |
| 75-15-0 | Carbon Disulfide | 260 | U |
| 75-09-2 | Methylene Chloride | 510 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 510 | U |
| 75-35-3 | 1,1-Dichloroethane | 260 | U |
| 108-05-4 | Vinyl Acetate | 770 | U |
| 78-93-3 | 2-Butanone | 770 | U |
| | cis-1,2-Dichloroethene | 260 | U |
| 67-66-3 | Chloroform | 260 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 260 | U |
| 56-23-5 | Carbon Tetrachloride | 510 | U |
| 71-43-2 | Benzene | 260 | U |
| 107-06-2 | 1,2-Dichloroethane | 510 | U |
| 79-01-6 | Trichloroethene | 260 | U |
| 78-87-5 | 1,2-Dichloropropane | 260 | U |
| 75-27-4 | Bromodichloromethane | 260 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 510 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 260 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 510 | U |
| 108-88-3 | Toluene | 260 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 510 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 510 | U |
| 127-18-4 | Tetrachloroethene | 260 | U |
| 591-78-6 | 2-Hexanone | 510 | U |
| 126-48-1 | Dibromochloromethane | 510 | U |
| 108-90-7 | Chlorobenzene | 260 | U |
| 100-41-4 | Ethylbenzene | 510 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-85 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.07

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03915.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 7.08 Date Analyzed: 05/29/98

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 | 770 | U |
| 1330-20-7 | o-Xylene | 510 | U |
| 100-42-5 | Styrene | 510 | U |
| 75-25-2 | Bromoform | 510 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 510 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-85 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.07

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03915.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 7.08 Date Analyzed: 05/29/98

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-86 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.11

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03917.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 12.96 Date Analyzed: 05/29/98

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 | 560 | U |
| | Dichlorodifluoromethane | 1100 | U |
| 74-87-3 | Chloromethane | 280 | U |
| 75-01-4 | Vinyl Chloride | 850 | U |
| 74-83-9 | Bromomethane | 560 | U |
| 75-00-3 | Chloroethane | 850 | U |
| 75-69-4 | Trichlorofluoromethane | 560 | U |
| 75-35-4 | 1,1-Dichloroethene | 280 | U |
| 67-64-1 | Acetone | 560 | U |
| 75-15-0 | Carbon Disulfide | 280 | U |
| 75-09-2 | Methylene Chloride | 560 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 560 | U |
| 75-35-3 | 1,1-Dichloroethane | 280 | U |
| 108-05-4 | Vinyl Acetate | 850 | U |
| 78-93-3 | 2-Butanone | 850 | U |
| | cis-1,2-Dichloroethene | 280 | U |
| 67-66-3 | Chloroform | 280 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 280 | U |
| 56-23-5 | Carbon Tetrachloride | 560 | U |
| 71-43-2 | Benzene | 280 | U |
| 107-06-2 | 1,2-Dichloroethane | 560 | U |
| 79-01-6 | Trichloroethene | 280 | U |
| 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-86 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.11

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03917.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 12.96 Date Analyzed: 05/29/98

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 | 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-86 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.11

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03917.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 12.96 Date Analyzed: 05/29/98

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 |
|---|---|---|---|---|



000839

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-87 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.15

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03919.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 11.18 Date Analyzed: 05/29/98

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 | 860 | U |
| 108203 | Di-isopropyl ether | 580 | U |
| | Dichlorodifluoromethane | 1200 | U |
| 74-87-3 | Chloromethane | 290 | U |
| 75-01-4 | Vinyl Chloride | 860 | U |
| 74-83-9 | Bromomethane | 580 | U |
| 75-00-3 | Chloroethane | 860 | U |
| 75-69-4 | Trichlorofluoromethane | 580 | U |
| 75-35-4 | 1,1-Dichloroethene | 290 | U |
| 67-64-1 | Acetone | 580 | U |
| 75-15-0 | Carbon Disulfide | 290 | U |
| 75-09-2 | Methylene Chloride | 580 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 580 | U |
| 75-35-3 | 1,1-Dichloroethane | 290 | U |
| 108-05-4 | Vinyl Acetate | 860 | U |
| 78-93-3 | 2-Butanone | 860 | U |
| | cis-1,2-Dichloroethene | 290 | U |
| 67-66-3 | Chloroform | 290 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 290 | U |
| 56-23-5 | Carbon Tetrachloride | 580 | U |
| 71-43-2 | Benzene | 290 | U |
| 107-06-2 | 1,2-Dichloroethane | 580 | U |
| 79-01-6 | Trichloroethene | 290 | U |
| 78-87-5 | 1,2-Dichloropropane | 290 | U |
| 75-27-4 | Bromodichloromethane | 290 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 580 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 290 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 580 | U |
| 108-88-3 | Toluene | 290 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 580 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 580 | U |
| 127-18-4 | Tetrachloroethene | 290 | U |
| 591-78-6 | 2-Hexanone | 580 | U |
| 126-48-1 | Dibromochloromethane | 580 | U |
| 108-90-7 | Chlorobenzene | 290 | U |
| 100-41-4 | Ethylbenzene | 580 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-87 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.15

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03919.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 11.18 Date Analyzed: 05/29/98

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 | 860 | U |
| 1330-20-7 | o-Xylene | 580 | U |
| 100-42-5 | Styrene | 580 | U |
| 75-25-2 | Bromoform | 580 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 580 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-87 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.15

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03919.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 11.18 Date Analyzed: 05/29/98

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-88 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.19

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03953.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 23.06 Date Analyzed: 06/02/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-88 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.19

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03953.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 23.06 Date Analyzed: 06/02/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-88 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.19

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03953.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 23.06 Date Analyzed: 06/02/98

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-89 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.23

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03954.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 18.95 Date Analyzed: 06/02/98

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 | 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-89 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.23

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03954.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 18.95 Date Analyzed: 06/02/98

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 | 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-89 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.23

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03954.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 18.95 Date Analyzed: 06/02/98

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-90 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.27

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03956.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 19.17 Date Analyzed: 06/02/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-90 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.27

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03956.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 19.17 Date Analyzed: 06/02/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 910 | U |
| 1330-20-7 | o-Xylene | 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-90 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.27

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03956.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 19.17 Date Analyzed: 06/02/98

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 |
|---|---|---|---|---|



000851

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-91 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.31

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03958.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 5.6 Date Analyzed: 06/02/98

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 | 750 | U |
| 108203 | Di-isopropyl ether | 500 | U |
| | Dichlorodifluoromethane | 1000 | U |
| 74-87-3 | Chloromethane | 250 | U |
| 75-01-4 | Vinyl Chloride | 750 | U |
| 74-83-9 | Bromomethane | 500 | U |
| 75-00-3 | Chloroethane | 750 | U |
| 75-69-4 | Trichlorofluoromethane | 500 | U |
| 75-35-4 | 1,1-Dichloroethene | 250 | U |
| 67-64-1 | Acetone | 500 | U |
| 75-15-0 | Carbon Disulfide | 250 | U |
| 75-09-2 | Methylene Chloride | 500 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 500 | U |
| 75-35-3 | 1,1-Dichloroethane | 250 | U |
| 108-05-4 | Vinyl Acetate | 750 | U |
| 78-93-3 | 2-Butanone | 750 | U |
| | cis-1,2-Dichloroethene | 250 | U |
| 67-66-3 | Chloroform | 250 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 250 | U |
| 56-23-5 | Carbon Tetrachloride | 500 | U |
| 71-43-2 | Benzene | 250 | U |
| 107-06-2 | 1,2-Dichloroethane | 500 | U |
| 79-01-6 | Trichloroethene | 250 | U |
| 78-87-5 | 1,2-Dichloropropane | 250 | U |
| 75-27-4 | Bromodichloromethane | 250 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 500 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 250 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 500 | U |
| 108-88-3 | Toluene | 250 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 500 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 500 | U |
| 127-18-4 | Tetrachloroethene | 250 | U |
| 591-78-6 | 2-Hexanone | 500 | U |
| 126-48-1 | Dibromochloromethane | 500 | U |
| 108-90-7 | Chlorobenzene | 250 | U |
| 100-41-4 | Ethylbenzene | 500 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-91 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.31

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03958.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 5.6 Date Analyzed: 06/02/98

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-91 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.31

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V03958.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 5.6 Date Analyzed: 06/02/98

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-92 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.35

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03960.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 6.99 Date Analyzed: 06/02/98

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-92 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.35

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03960.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 6.99 Date Analyzed: 06/02/98

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 | 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-92 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.35

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03960.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 6.99 Date Analyzed: 06/02/98

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-93 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03963.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 10.62 Date Analyzed: 06/02/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-93 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03963.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 10.62 Date Analyzed: 06/02/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 850 | U |
| 1330-20-7 | o-Xylene | 570 | U |
| 100-42-5 | Styrene | 570 | U |
| 75-25-2 | Bromoform | 570 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 570 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-93 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03963.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 10.62 Date Analyzed: 06/02/98

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-94 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.07

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03965.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 13.15 Date Analyzed: 06/02/98

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-94 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.07

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03965.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 13.15 Date Analyzed: 06/02/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 850 | U |
| 1330-20-7 | o-Xylene | 570 | U |
| 100-42-5 | Styrene | 570 | U |
| 75-25-2 | Bromoform | 570 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 570 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-94 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.07

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03965.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 13.15 Date Analyzed: 06/02/98

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-95 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.11

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03967.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 7.64 Date Analyzed: 06/02/98

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 | 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-95 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.11

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03967.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 7.64 Date Analyzed: 06/02/98

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-95 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.11

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03967.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 7.64 Date Analyzed: 06/02/98

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-96 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.15

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03973.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 15.87 Date Analyzed: 06/03/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-96 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.15

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03973.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 15.87 Date Analyzed: 06/03/98

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 | 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.

**B-96 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.15

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03973.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 15.87 Date Analyzed: 06/03/98

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-97 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03975.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 15.75 Date Analyzed: 06/03/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-97 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03975.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 15.75 Date Analyzed: 06/03/98

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 | 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-97 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03975.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 15.75 Date Analyzed: 06/03/98

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 |
|---|---|---|---|---|



000872

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-98 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.23

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03977.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 20.78 Date Analyzed: 06/03/98

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 | 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 | 480 | |
| 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-98 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.23

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03977.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 20.78 Date Analyzed: 06/03/98

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 | 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.

**B-98 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.23

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03977.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 20.78 Date Analyzed: 06/03/98

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-99 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.03

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03993.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 19.17 Date Analyzed: 06/04/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-99 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.03

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03993.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 19.17 Date Analyzed: 06/04/98

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 | 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.

**B-99 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.03

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03993.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 19.17 Date Analyzed: 06/04/98

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-158 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.13

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V04215.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 6.12 Date Analyzed: 06/22/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (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 | 840 | U |
| 74-83-9 | Bromomethane | 560 | U |
| 75-00-3 | Chloroethane | 840 | U |
| 75-69-4 | Trichlorofluoromethane | 560 | U |
| 75-35-4 | 1,1-Dichloroethene | 280 | U |
| 67-64-1 | Acetone | 560 | U |
| 75-15-0 | Carbon Disulfide | 280 | U |
| 75-09-2 | Methylene Chloride | 560 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 560 | U |
| 75-35-3 | 1,1-Dichloroethane | 280 | U |
| 108-05-4 | Vinyl Acetate | 840 | U |
| 78-93-3 | 2-Butanone | 840 | U |
| | cis-1,2-Dichloroethene | 280 | U |
| 67-66-3 | Chloroform | 280 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 280 | U |
| 56-23-5 | Carbon Tetrachloride | 560 | U |
| 71-43-2 | Benzene | 280 | U |
| 107-06-2 | 1,2-Dichloroethane | 560 | U |
| 79-01-6 | Trichloroethene | 280 | U |
| 78-87-5 | 1,2-Dichloropropane | 280 | U |
| 75-27-4 | Bromodichloromethane | 280 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 560 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 280 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 560 | U |
| 108-88-3 | Toluene | 280 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 560 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 560 | U |
| 127-18-4 | Tetrachloroethene | 280 | U |
| 591-78-6 | 2-Hexanone | 560 | U |
| 126-48-1 | Dibromochloromethane | 560 | U |
| 108-90-7 | Chlorobenzene | 280 | U |
| 100-41-4 | Ethylbenzene | 560 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-158 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.13

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V04215.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 6.12 Date Analyzed: 06/22/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 840 | U |
| 1330-20-7 | o-Xylene | 560 | U |
| 100-42-5 | Styrene | 560 | U |
| 75-25-2 | Bromoform | 560 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 560 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-158 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.13

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V04215.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 6.12 Date Analyzed: 06/22/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-159 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.17

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04225.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 11.64 Date Analyzed: 06/23/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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-159 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.17

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04225.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 11.64 Date Analyzed: 06/23/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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-159 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.17

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04225.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 11.64 Date Analyzed: 06/23/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-160 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.20

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04226.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 11.12 Date Analyzed: 06/23/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 2000 | U |
| 107131 | Acrylonitrile | 2000 | U |
| 75650 | tert-Butyl alcohol | 3700 | U |
| 1634044 | Methyl-tert-Butyl ether | 840 | U |
| 108203 | Di-isopropyl ether | 560 | U |
| | Dichlorodifluoromethane | 1100 | U |
| 74-87-3 | Chloromethane | 280 | U |
| 75-01-4 | Vinyl Chloride | 840 | U |
| 74-83-9 | Bromomethane | 560 | U |
| 75-00-3 | Chloroethane | 840 | U |
| 75-69-4 | Trichlorofluoromethane | 560 | U |
| 75-35-4 | 1,1-Dichloroethene | 280 | U |
| 67-64-1 | Acetone | 560 | U |
| 75-15-0 | Carbon Disulfide | 280 | U |
| 75-09-2 | Methylene Chloride | 560 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 560 | U |
| 75-35-3 | 1,1-Dichloroethane | 280 | U |
| 108-05-4 | Vinyl Acetate | 840 | U |
| 78-93-3 | 2-Butanone | 840 | U |
| | cis-1,2-Dichloroethene | 280 | U |
| 67-66-3 | Chloroform | 280 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 280 | U |
| 56-23-5 | Carbon Tetrachloride | 560 | U |
| 71-43-2 | Benzene | 280 | U |
| 107-06-2 | 1,2-Dichloroethane | 560 | U |
| 79-01-6 | Trichloroethene | 280 | U |
| 78-87-5 | 1,2-Dichloropropane | 280 | U |
| 75-27-4 | Bromodichloromethane | 280 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 560 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 280 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 560 | U |
| 108-88-3 | Toluene | 280 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 560 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 560 | U |
| 127-18-4 | Tetrachloroethene | 280 | U |
| 591-78-6 | 2-Hexanone | 560 | U |
| 126-48-1 | Dibromochloromethane | 560 | U |
| 108-90-7 | Chlorobenzene | 280 | U |
| 100-41-4 | Ethylbenzene | 560 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-160 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.20

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04226.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 11.12 Date Analyzed: 06/23/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 840 | U |
| 1330-20-7 | o-Xylene | 560 | U |
| 100-42-5 | Styrene | 560 | U |
| 75-25-2 | Bromoform | 560 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 560 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-160 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.20

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04226.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 11.12 Date Analyzed: 06/23/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-161 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.23

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V04227.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 7.14 Date Analyzed: 06/23/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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-161 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.23

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V04227.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 7.14 Date Analyzed: 06/23/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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-161 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.23

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V04227.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 7.14 Date Analyzed: 06/23/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-162 17"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04255.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 20.08 Date Analyzed: 07/08/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-162 17"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04255.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 20.08 Date Analyzed: 07/08/98

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

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-162 17"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04255.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 20.08 Date Analyzed: 07/08/98

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. 000124-18-5 | Decane | 31.88 | 1400 | JN |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-163 19"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.08

Sample wt/vol: 8.9 (g/ml) G Lab File ID: V04256.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 14.05 Date Analyzed: 07/08/98

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 | 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-163 19"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.08

Sample wt/vol: 8.9 (g/ml) G Lab File ID: V04256.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 14.05 Date Analyzed: 07/08/98

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 | 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-163 19"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.08

Sample wt/vol: 8.9 (g/ml) G Lab File ID: V04256.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 14.05 Date Analyzed: 07/08/98

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-164 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.11

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04257.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 5.68 Date Analyzed: 07/08/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-164 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.11

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04257.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 5.68 Date Analyzed: 07/08/98

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 | 800 | U |
| 1330-20-7 | o-Xylene | 530 | U |
| 100-42-5 | Styrene | 530 | U |
| 75-25-2 | Bromoform | 530 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 530 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-164 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.11

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04257.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 5.68 Date Analyzed: 07/08/98

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-165 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.03

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04260.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 17.67 Date Analyzed: 07/08/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-165 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.03

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04260.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 17.67 Date Analyzed: 07/08/98

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-165 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.03

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04260.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 17.67 Date Analyzed: 07/08/98

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-166 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04268.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 12.64 Date Analyzed: 07/09/98

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 | 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 | 840 | U |
| 74-83-9 | Bromomethane | 560 | U |
| 75-00-3 | Chloroethane | 840 | U |
| 75-69-4 | Trichlorofluoromethane | 560 | U |
| 75-35-4 | 1,1-Dichloroethene | 280 | U |
| 67-64-1 | Acetone | 560 | U |
| 75-15-0 | Carbon Disulfide | 280 | U |
| 75-09-2 | Methylene Chloride | 560 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 560 | U |
| 75-35-3 | 1,1-Dichloroethane | 280 | U |
| 108-05-4 | Vinyl Acetate | 840 | U |
| 78-93-3 | 2-Butanone | 840 | U |
| | cis-1,2-Dichloroethene | 280 | U |
| 67-66-3 | Chloroform | 280 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 280 | U |
| 56-23-5 | Carbon Tetrachloride | 560 | U |
| 71-43-2 | Benzene | 280 | U |
| 107-06-2 | 1,2-Dichloroethane | 560 | U |
| 79-01-6 | Trichloroethene | 280 | U |
| 78-87-5 | 1,2-Dichloropropane | 280 | U |
| 75-27-4 | Bromodichloromethane | 280 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 560 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 280 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 560 | U |
| 108-88-3 | Toluene | 280 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 560 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 560 | U |
| 127-18-4 | Tetrachloroethene | 280 | U |
| 591-78-6 | 2-Hexanone | 560 | U |
| 126-48-1 | Dibromochloromethane | 560 | U |
| 108-90-7 | Chlorobenzene | 280 | U |
| 100-41-4 | Ethylbenzene | 560 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-166 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04268.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 12.64 Date Analyzed: 07/09/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 840 | U |
| 1330-20-7 | o-Xylene | 560 | U |
| 100-42-5 | Styrene | 560 | U |
| 75-25-2 | Bromoform | 560 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 560 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-166 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04268.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 12.64 Date Analyzed: 07/09/98

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-167 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.10

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04269.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 25.26 Date Analyzed: 07/09/98

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 | 2300 | U |
| 107131 | Acrylonitrile | 2300 | U |
| 75650 | tert-Butyl alcohol | 4400 | U |
| 1634044 | Methyl-tert-Butyl ether | 1000 | U |
| 108203 | Di-isopropyl ether | 670 | U |
| | Dichlorodifluoromethane | 1300 | U |
| 74-87-3 | Chloromethane | 340 | U |
| 75-01-4 | Vinyl Chloride | 1000 | U |
| 74-83-9 | Bromomethane | 670 | U |
| 75-00-3 | Chloroethane | 1000 | U |
| 75-69-4 | Trichlorofluoromethane | 670 | U |
| 75-35-4 | 1,1-Dichloroethene | 340 | U |
| 67-64-1 | Acetone | 670 | U |
| 75-15-0 | Carbon Disulfide | 340 | U |
| 75-09-2 | Methylene Chloride | 670 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 670 | 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 | 670 | U |
| 71-43-2 | Benzene | 340 | U |
| 107-06-2 | 1,2-Dichloroethane | 670 | 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 | 670 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 340 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 670 | U |
| 108-88-3 | Toluene | 340 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 670 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 670 | U |
| 127-18-4 | Tetrachloroethene | 3200 | |
| 591-78-6 | 2-Hexanone | 670 | U |
| 126-48-1 | Dibromochloromethane | 670 | U |
| 108-90-7 | Chlorobenzene | 340 | U |
| 100-41-4 | Ethylbenzene | 670 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-167 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.10

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04269.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 25.26 Date Analyzed: 07/09/98

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 | 1000 | U |
| 1330-20-7 | o-Xylene | 670 | U |
| 100-42-5 | Styrene | 670 | U |
| 75-25-2 | Bromoform | 670 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 670 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-167 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.10

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04269.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 25.26 Date Analyzed: 07/09/98

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-168 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.13

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04270.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 25.04 Date Analyzed: 07/09/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-168 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.13

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04270.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 25.04 Date Analyzed: 07/09/98

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 | 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.

**B-168 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.13

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04270.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 25.04 Date Analyzed: 07/09/98

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-169 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04271.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 23.56 Date Analyzed: 07/09/98

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 | 2400 | U |
| 107131 | Acrylonitrile | 2400 | U |
| 75650 | tert-Butyl alcohol | 4400 | U |
| 1634044 | Methyl-tert-Butyl ether | 1000 | U |
| 108203 | Di-isopropyl ether | 670 | U |
| | Dichlorodifluoromethane | 1300 | U |
| 74-87-3 | Chloromethane | 340 | U |
| 75-01-4 | Vinyl Chloride | 1000 | U |
| 74-83-9 | Bromomethane | 670 | U |
| 75-00-3 | Chloroethane | 1000 | U |
| 75-69-4 | Trichlorofluoromethane | 670 | U |
| 75-35-4 | 1,1-Dichloroethene | 340 | U |
| 67-64-1 | Acetone | 670 | U |
| 75-15-0 | Carbon Disulfide | 340 | U |
| 75-09-2 | Methylene Chloride | 670 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 670 | 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 | 670 | U |
| 71-43-2 | Benzene | 340 | U |
| 107-06-2 | 1,2-Dichloroethane | 670 | 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 | 670 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 340 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 670 | U |
| 108-88-3 | Toluene | 340 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 670 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 670 | U |
| 127-18-4 | Tetrachloroethene | 340 | U |
| 591-78-6 | 2-Hexanone | 670 | U |
| 126-48-1 | Dibromochloromethane | 670 | U |
| 108-90-7 | Chlorobenzene | 340 | U |
| 100-41-4 | Ethylbenzene | 670 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-169 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04271.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 23.56 Date Analyzed: 07/09/98

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 | 1000 | U |
| 1330-20-7 | o-Xylene | 670 | U |
| 100-42-5 | Styrene | 670 | U |
| 75-25-2 | Bromoform | 670 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 670 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-169 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04271.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 23.56 Date Analyzed: 07/09/98

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 |
|---|---|---|---|---|



000914

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-178 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04341.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 3.26 Date Analyzed: 07/20/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-178 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04341.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 3.26 Date Analyzed: 07/20/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 780 | U |
| 1330-20-7 | o-Xylene | 520 | U |
| 100-42-5 | Styrene | 520 | U |
| 75-25-2 | Bromoform | 520 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 520 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-178 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04341.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 3.26 Date Analyzed: 07/20/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-179 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.16

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04342.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 8.9 Date Analyzed: 07/20/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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-179 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.16

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04342.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 8.9 Date Analyzed: 07/20/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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-179 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.16

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04342.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 8.9 Date Analyzed: 07/20/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-180 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.19

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04343.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.97 Date Analyzed: 07/20/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-180 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.19

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04343.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.97 Date Analyzed: 07/20/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 780 | U |
| 1330-20-7 | o-Xylene | 520 | U |
| 100-42-5 | Styrene | 520 | U |
| 75-25-2 | Bromoform | 520 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 520 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-180 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.19

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04343.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.97 Date Analyzed: 07/20/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|



900923

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-181 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.22

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04344.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 11.04 Date Analyzed: 07/20/98

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

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 2000 | U |
| 107131 | Acrylonitrile | 2000 | U |
| 75650 | tert-Butyl alcohol | 3700 | U |
| 1634044 | Methyl-tert-Butyl ether | 840 | U |
| 108203 | Di-isopropyl ether | 560 | U |
| | Dichlorodifluoromethane | 1100 | U |
| 74-87-3 | Chloromethane | 280 | U |
| 75-01-4 | Vinyl Chloride | 840 | U |
| 74-83-9 | Bromomethane | 560 | U |
| 75-00-3 | Chloroethane | 840 | U |
| 75-69-4 | Trichlorofluoromethane | 560 | U |
| 75-35-4 | 1,1-Dichloroethene | 280 | U |
| 67-64-1 | Acetone | 560 | U |
| 75-15-0 | Carbon Disulfide | 280 | U |
| 75-09-2 | Methylene Chloride | 560 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 560 | U |
| 75-35-3 | 1,1-Dichloroethane | 280 | U |
| 108-05-4 | Vinyl Acetate | 840 | U |
| 78-93-3 | 2-Butanone | 840 | U |
| | cis-1,2-Dichloroethene | 280 | U |
| 67-66-3 | Chloroform | 280 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 280 | U |
| 56-23-5 | Carbon Tetrachloride | 560 | U |
| 71-43-2 | Benzene | 280 | U |
| 107-06-2 | 1,2-Dichloroethane | 560 | U |
| 79-01-6 | Trichloroethene | 280 | U |
| 78-87-5 | 1,2-Dichloropropane | 280 | U |
| 75-27-4 | Bromodichloromethane | 280 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 560 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 280 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 560 | U |
| 108-88-3 | Toluene | 280 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 560 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 560 | U |
| 127-18-4 | Tetrachloroethene | 280 | U |
| 591-78-6 | 2-Hexanone | 560 | U |
| 126-48-1 | Dibromochloromethane | 560 | U |
| 108-90-7 | Chlorobenzene | 280 | U |
| 100-41-4 | Ethylbenzene | 560 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-181 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.22

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04344.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 11.04 Date Analyzed: 07/20/98

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

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 840 | U |
| 1330-20-7 | o-Xylene | 560 | U |
| 100-42-5 | Styrene | 560 | U |
| 75-25-2 | Bromoform | 560 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 560 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-181 24"**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.22

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04344.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 11.04 Date Analyzed: 07/20/98

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

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|



000926

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-197**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04489.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 16.39 Date Analyzed: 08/24/98

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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-197**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04489.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 16.39 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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-197**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04489.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 16.39 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-198**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.05

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04490.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 44.81 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 3200 | U |
| 107131 | Acrylonitrile | 3200 | U |
| 75650 | tert-Butyl alcohol | 5900 | U |
| 1634044 | Methyl-tert-Butyl ether | 1400 | U |
| 108203 | Di-isopropyl ether | 910 | U |
| | Dichlorodifluoromethane | 1800 | U |
| 74-87-3 | Chloromethane | 460 | U |
| 75-01-4 | Vinyl Chloride | 1400 | U |
| 74-83-9 | Bromomethane | 910 | U |
| 75-00-3 | Chloroethane | 1400 | U |
| 75-69-4 | Trichlorofluoromethane | 910 | U |
| 75-35-4 | 1,1-Dichloroethene | 460 | U |
| 67-64-1 | Acetone | 910 | U |
| 75-15-0 | Carbon Disulfide | 460 | U |
| 75-09-2 | Methylene Chloride | 910 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 910 | U |
| 75-35-3 | 1,1-Dichloroethane | 460 | U |
| 108-05-4 | Vinyl Acetate | 1400 | U |
| 78-93-3 | 2-Butanone | 1400 | U |
| | cis-1,2-Dichloroethene | 460 | U |
| 67-66-3 | Chloroform | 460 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 460 | U |
| 56-23-5 | Carbon Tetrachloride | 910 | U |
| 71-43-2 | Benzene | 460 | U |
| 107-06-2 | 1,2-Dichloroethane | 910 | U |
| 79-01-6 | Trichloroethene | 460 | U |
| 78-87-5 | 1,2-Dichloropropane | 460 | U |
| 75-27-4 | Bromodichloromethane | 460 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 910 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 460 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 910 | U |
| 108-88-3 | Toluene | 460 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 910 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 910 | U |
| 127-18-4 | Tetrachloroethene | 460 | U |
| 591-78-6 | 2-Hexanone | 910 | U |
| 126-48-1 | Dibromochloromethane | 910 | U |
| 108-90-7 | Chlorobenzene | 460 | U |
| 100-41-4 | Ethylbenzene | 910 | U |

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-198**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.05

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04490.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 44.81 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 1400 | U |
| 1330-20-7 | o-Xylene | 910 | U |
| 100-42-5 | Styrene | 910 | U |
| 75-25-2 | Bromoform | 910 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 910 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-198**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.05

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04490.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 44.81 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-199

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04491.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 18.32 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-199**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04491.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 18.32 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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.

**B-199**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04491.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 18.32 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-200**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.09

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04492.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 31.68 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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 | 740 | U |
| 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-200**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.09

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04492.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 31.68 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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.

**B-200**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.09

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04492.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 31.68 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-201**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.11

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04493.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 22.55 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-201**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.11

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04493.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 22.55 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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.

**B-201**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.11

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04493.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 22.55 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-202**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04494.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 14.31 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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-202**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04494.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 14.31 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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-202**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04494.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 14.31 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-203

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.15

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04495.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 10.84 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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 | 840 | U |
| 74-83-9 | Bromomethane | 560 | U |
| 75-00-3 | Chloroethane | 840 | U |
| 75-69-4 | Trichlorofluoromethane | 560 | U |
| 75-35-4 | 1,1-Dichloroethene | 280 | U |
| 67-64-1 | Acetone | 560 | U |
| 75-15-0 | Carbon Disulfide | 280 | U |
| 75-09-2 | Methylene Chloride | 560 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 560 | U |
| 75-35-3 | 1,1-Dichloroethane | 280 | U |
| 108-05-4 | Vinyl Acetate | 840 | U |
| 78-93-3 | 2-Butanone | 840 | U |
| | cis-1,2-Dichloroethene | 280 | U |
| 67-66-3 | Chloroform | 280 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 280 | U |
| 56-23-5 | Carbon Tetrachloride | 560 | U |
| 71-43-2 | Benzene | 280 | U |
| 107-06-2 | 1,2-Dichloroethane | 560 | U |
| 79-01-6 | Trichloroethene | 280 | U |
| 78-87-5 | 1,2-Dichloropropane | 280 | U |
| 75-27-4 | Bromodichloromethane | 280 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 560 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 280 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 560 | U |
| 108-88-3 | Toluene | 280 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 560 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 560 | U |
| 127-18-4 | Tetrachloroethene | 780 | |
| 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-203**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.15

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04495.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 10.84 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 840 | U |
| 1330-20-7 | o-Xylene | 560 | U |
| 100-42-5 | Styrene | 560 | U |
| 75-25-2 | Bromoform | 560 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 560 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-203**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.15

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04495.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 10.84 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|



000947

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-204**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.17

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04496.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 25.76 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-204**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.17

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04496.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 25.76 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 1000 | U |
| 1330-20-7 | o-Xylene | 680 | U |
| 100-42-5 | Styrene | 680 | U |
| 75-25-2 | Bromoform | 680 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 680 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-204**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.17

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04496.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 25.76 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-205**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04497.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 22.86 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

**B-205**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04497.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 22.86 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 960 | U |
| 1330-20-7 | o-Xylene | 640 | U |
| 100-42-5 | Styrene | 640 | U |
| 75-25-2 | Bromoform | 640 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 640 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-205**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04497.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 22.86 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-206**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.21

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04498.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 15.27 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-206**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.21

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04498.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 15.27 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 860 | U |
| 1330-20-7 | o-Xylene | 580 | U |
| 100-42-5 | Styrene | 580 | U |
| 75-25-2 | Bromoform | 580 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 580 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-206**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.21

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04498.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 15.27 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-207**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.23

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04499.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 21.85 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-207**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.23

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04499.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 21.85 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 940 | U |
| 1330-20-7 | o-Xylene | 630 | U |
| 100-42-5 | Styrene | 630 | U |
| 75-25-2 | Bromoform | 630 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 630 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-207**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.23

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04499.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 21.85 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-208**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.25

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04500.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 21.02 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 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-208**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.25

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04500.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 21.02 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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-208**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3805 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.25

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04500.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 21.02 Date Analyzed: 08/24/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-209**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3805 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3805.27

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB01305.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 3.55 Date Analyzed: 08/24/98

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 | 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 | 450 | |
| 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-209**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3805 SDG No: _____ Location: M-5

Matrix: (soil/water) SOIL Lab Sample ID: 3805.27

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB01305.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 3.55 Date Analyzed: 08/24/98

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 | 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-209**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3805 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3805.27

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB01305.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 3.55 Date Analyzed: 08/24/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-210

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3805 SDG No: Location: M-5

Matrix: (soil/water) SOIL Lab Sample ID: 3805.29

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01306.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 16.21 Date Analyzed: 08/24/98

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 | 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 | 490 | |
| 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-210**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3805 SDG No: Location: M-5

Matrix: (soil/water) SOIL Lab Sample ID: 3805.29

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01306.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 16.21 Date Analyzed: 08/24/98

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 | 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-210**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3805 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3805.29

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01306.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 16.21 Date Analyzed: 08/24/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-211

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3805 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3805.31

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01307.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 23.58 Date Analyzed: 08/24/98

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 | 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 | 550 | |
| 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-211**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3805 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3805.31

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01307.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 23.58 Date Analyzed: 08/24/98

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 | 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.

**B-211**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3805 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3805.31

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01307.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 23.58 Date Analyzed: 08/24/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-212 24"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01312.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 28.95 Date Analyzed: 08/24/98

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 | 2500 | U |
| 107131 | Acrylonitrile | 2500 | U |
| 75650 | tert-Butyl alcohol | 4600 | U |
| 1634044 | Methyl-tert-Butyl ether | 1100 | U |
| 108203 | Di-isopropyl ether | 710 | U |
| | Dichlorodifluoromethane | 1400 | U |
| 74-87-3 | Chloromethane | 350 | U |
| 75-01-4 | Vinyl Chloride | 1100 | U |
| 74-83-9 | Bromomethane | 710 | U |
| 75-00-3 | Chloroethane | 1100 | U |
| 75-69-4 | Trichlorofluoromethane | 710 | U |
| 75-35-4 | 1,1-Dichloroethene | 350 | U |
| 67-64-1 | Acetone | 710 | U |
| 75-15-0 | Carbon Disulfide | 350 | U |
| 75-09-2 | Methylene Chloride | 710 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 710 | 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 | 460 | |
| 75-55-6 | 1,1,1-Trichloroethane | 350 | U |
| 56-23-5 | Carbon Tetrachloride | 710 | U |
| 71-43-2 | Benzene | 350 | U |
| 107-06-2 | 1,2-Dichloroethane | 710 | 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 | 710 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 350 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 710 | U |
| 108-88-3 | Toluene | 350 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 710 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 710 | U |
| 127-18-4 | Tetrachloroethene | 350 | U |
| 591-78-6 | 2-Hexanone | 710 | U |
| 126-48-1 | Dibromochloromethane | 710 | U |
| 108-90-7 | Chlorobenzene | 350 | U |
| 100-41-4 | Ethylbenzene | 710 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-212 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01312.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 28.95 Date Analyzed: 08/24/98

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 | 710 | U |
| 100-42-5 | Styrene | 710 | U |
| 75-25-2 | Bromoform | 710 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 710 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-212 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01312.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 28.95 Date Analyzed: 08/24/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-213 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.05

Sample wt/vol: 9.5 (g/ml) G Lab File ID: VB01313.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 32.16 Date Analyzed: 08/24/98

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 | 2700 | U |
| 107131 | Acrylonitrile | 2700 | U |
| 75650 | tert-Butyl alcohol | 5000 | U |
| 1634044 | Methyl-tert-Butyl ether | 1200 | U |
| 108203 | Di-isopropyl ether | 770 | U |
| | Dichlorodifluoromethane | 1500 | U |
| 74-87-3 | Chloromethane | 390 | U |
| 75-01-4 | Vinyl Chloride | 1200 | U |
| 74-83-9 | Bromomethane | 770 | U |
| 75-00-3 | Chloroethane | 1200 | U |
| 75-69-4 | Trichlorofluoromethane | 770 | U |
| 75-35-4 | 1,1-Dichloroethene | 390 | U |
| 67-64-1 | Acetone | 770 | U |
| 75-15-0 | Carbon Disulfide | 390 | U |
| 75-09-2 | Methylene Chloride | 770 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 770 | U |
| 75-35-3 | 1,1-Dichloroethane | 390 | U |
| 108-05-4 | Vinyl Acetate | 1200 | U |
| 78-93-3 | 2-Butanone | 1200 | U |
| | cis-1,2-Dichloroethene | 390 | U |
| 67-66-3 | Chloroform | 520 | |
| 75-55-6 | 1,1,1-Trichloroethane | 390 | U |
| 56-23-5 | Carbon Tetrachloride | 770 | U |
| 71-43-2 | Benzene | 390 | U |
| 107-06-2 | 1,2-Dichloroethane | 770 | U |
| 79-01-6 | Trichloroethene | 390 | U |
| 78-87-5 | 1,2-Dichloropropane | 390 | U |
| 75-27-4 | Bromodichloromethane | 390 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 770 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 390 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 770 | U |
| 108-88-3 | Toluene | 390 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 770 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 770 | U |
| 127-18-4 | Tetrachloroethene | 390 | U |
| 591-78-6 | 2-Hexanone | 770 | U |
| 126-48-1 | Dibromochloromethane | 770 | U |
| 108-90-7 | Chlorobenzene | 390 | U |
| 100-41-4 | Ethylbenzene | 770 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-213 24"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.05

Sample wt/vol: 9.5 (g/ml) G Lab File ID: VB01313.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 32.16 Date Analyzed: 08/24/98

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 | 770 | U |
| 100-42-5 | Styrene | 770 | U |
| 75-25-2 | Bromoform | 770 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 770 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-213 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix: (soil/water) SOIL Lab Sample ID: 3809.05

Sample wt/vol: 9.5 (g/ml) G Lab File ID: VB01313.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 32.16 Date Analyzed: 08/24/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-214 24"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.07

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01314.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 13.48 Date Analyzed: 08/24/98

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 | 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 | 410 | |
| 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-214 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.07

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01314.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 13.48 Date Analyzed: 08/24/98

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 | 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-214 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.07

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01314.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 13.48 Date Analyzed: 08/24/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-215 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.09

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01315.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 10.77 Date Analyzed: 08/24/98

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 | 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 | 840 | U |
| 74-83-9 | Bromomethane | 560 | U |
| 75-00-3 | Chloroethane | 840 | U |
| 75-69-4 | Trichlorofluoromethane | 560 | U |
| 75-35-4 | 1,1-Dichloroethene | 280 | U |
| 67-64-1 | Acetone | 560 | U |
| 75-15-0 | Carbon Disulfide | 280 | U |
| 75-09-2 | Methylene Chloride | 560 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 560 | U |
| 75-35-3 | 1,1-Dichloroethane | 280 | U |
| 108-05-4 | Vinyl Acetate | 840 | U |
| 78-93-3 | 2-Butanone | 840 | U |
| | cis-1,2-Dichloroethene | 280 | U |
| 67-66-3 | Chloroform | 430 | |
| 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-215 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.09

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01315.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 10.77 Date Analyzed: 08/24/98

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 | 840 | U |
| 1330-20-7 | o-Xylene | 560 | U |
| 100-42-5 | Styrene | 560 | U |
| 75-25-2 | Bromoform | 560 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 560 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-215 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.09

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01315.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 10.77 Date Analyzed: 08/24/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-216 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.11

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB01316.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 12.7 Date Analyzed: 08/24/98

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 | 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 | 840 | U |
| 74-83-9 | Bromomethane | 560 | U |
| 75-00-3 | Chloroethane | 840 | U |
| 75-69-4 | Trichlorofluoromethane | 560 | U |
| 75-35-4 | 1,1-Dichloroethene | 280 | U |
| 67-64-1 | Acetone | 560 | U |
| 75-15-0 | Carbon Disulfide | 280 | U |
| 75-09-2 | Methylene Chloride | 560 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 560 | U |
| 75-35-3 | 1,1-Dichloroethane | 280 | U |
| 108-05-4 | Vinyl Acetate | 840 | U |
| 78-93-3 | 2-Butanone | 840 | U |
| | cis-1,2-Dichloroethene | 280 | U |
| 67-66-3 | Chloroform | 390 | |
| 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

**B-216 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix: (soil/water) SOIL Lab Sample ID: 3809.11

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB01316.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 12.7 Date Analyzed: 08/24/98

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 | 840 | U |
| 1330-20-7 | o-Xylene | 560 | U |
| 100-42-5 | Styrene | 560 | U |
| 75-25-2 | Bromoform | 560 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 560 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-216 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.11

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB01316.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 12.7 Date Analyzed: 08/24/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-217 24"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.13

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01317.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 9.08 Date Analyzed: 08/24/98

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 | 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 | 460 | |
| 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-217 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.13

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01317.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 9.08 Date Analyzed: 08/24/98

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 | 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-217 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix: (soil/water) SOIL Lab Sample ID: 3809.13

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01317.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 9.08 Date Analyzed: 08/24/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-218 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.15

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB01323.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 22.42 Date Analyzed: 08/25/98

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 | 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 | 440 | |
| 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-218 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.15

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB01323.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 22.42 Date Analyzed: 08/25/98

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 | 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-218 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix: (soil/water) SOIL Lab Sample ID: 3809.15

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB01323.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 22.42 Date Analyzed: 08/25/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-219 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.17

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01324.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 23.15 Date Analyzed: 08/25/98

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 | 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 | 440 | |
| 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-219 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix: (soil/water) SOIL Lab Sample ID: 3809.17

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01324.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 23.15 Date Analyzed: 08/25/98

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 | 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-219 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.17

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01324.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 23.15 Date Analyzed: 08/25/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-220 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.19

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01325.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 55.04 Date Analyzed: 08/25/98

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 | 3800 | U |
| 107131 | Acrylonitrile | 3800 | U |
| 75650 | tert-Butyl alcohol | 7000 | U |
| 1634044 | Methyl-tert-Butyl ether | 1600 | U |
| 108203 | Di-isopropyl ether | 1100 | U |
| | Dichlorodifluoromethane | 2200 | U |
| 74-87-3 | Chloromethane | 540 | 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 | 540 | U |
| 67-64-1 | Acetone | 1100 | U |
| 75-15-0 | Carbon Disulfide | 540 | U |
| 75-09-2 | Methylene Chloride | 1100 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1100 | U |
| 75-35-3 | 1,1-Dichloroethane | 540 | U |
| 108-05-4 | Vinyl Acetate | 1600 | U |
| 78-93-3 | 2-Butanone | 1600 | U |
| | cis-1,2-Dichloroethene | 540 | U |
| 67-66-3 | Chloroform | 540 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 540 | U |
| 56-23-5 | Carbon Tetrachloride | 1100 | U |
| 71-43-2 | Benzene | 540 | U |
| 107-06-2 | 1,2-Dichloroethane | 1100 | U |
| 79-01-6 | Trichloroethene | 540 | U |
| 78-87-5 | 1,2-Dichloropropane | 540 | U |
| 75-27-4 | Bromodichloromethane | 540 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 1100 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 540 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1100 | U |
| 108-88-3 | Toluene | 540 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 1100 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1100 | U |
| 127-18-4 | Tetrachloroethene | 540 | U |
| 591-78-6 | 2-Hexanone | 1100 | U |
| 126-48-1 | Dibromochloromethane | 1100 | U |
| 108-90-7 | Chlorobenzene | 540 | U |
| 100-41-4 | Ethylbenzene | 1100 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-220 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.19

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01325.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 55.04 Date Analyzed: 08/25/98

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 | 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.

**B-220 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.19

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01325.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 55.04 Date Analyzed: 08/25/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-221 24"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix: (soil/water) SOIL Lab Sample ID: 3809.21

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB01326.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 24.16 Date Analyzed: 08/25/98

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 | 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 | 340 | 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 | 340 | U |
| 67-64-1 | Acetone | 690 | U |
| 75-15-0 | Carbon Disulfide | 340 | U |
| 75-09-2 | Methylene Chloride | 690 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 690 | 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 | 400 | |
| 75-55-6 | 1,1,1-Trichloroethane | 340 | U |
| 56-23-5 | Carbon Tetrachloride | 690 | U |
| 71-43-2 | Benzene | 340 | U |
| 107-06-2 | 1,2-Dichloroethane | 690 | 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 | 690 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 340 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 690 | U |
| 108-88-3 | Toluene | 340 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 690 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 690 | U |
| 127-18-4 | Tetrachloroethene | 340 | U |
| 591-78-6 | 2-Hexanone | 690 | U |
| 126-48-1 | Dibromochloromethane | 690 | U |
| 108-90-7 | Chlorobenzene | 340 | U |
| 100-41-4 | Ethylbenzene | 690 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-221 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.21

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB01326.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 24.16 Date Analyzed: 08/25/98

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 | 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.

**B-221 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.21

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB01326.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 24.16 Date Analyzed: 08/25/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-222 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.23

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01327.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 41.86 Date Analyzed: 08/25/98

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 | 2900 | U |
| 107131 | Acrylonitrile | 2900 | U |
| 75650 | tert-Butyl alcohol | 5400 | 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 | 480 | |
| 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-222 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.23

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01327.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 41.86 Date Analyzed: 08/25/98

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 | 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 |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-222 24"**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3809 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3809.23

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01327.D

Level: (low/med) MED Date Received: 08/13/98

% Moisture: not dec. 41.86 Date Analyzed: 08/25/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 7.20 | 2700 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-223**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04507.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 5.72 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-223**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04507.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 5.72 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 790 | U |
| 1330-20-7 | o-Xylene | 530 | U |
| 100-42-5 | Styrene | 530 | U |
| 75-25-2 | Bromoform | 530 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 530 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-223**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04507.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 5.72 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-224**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.05

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V04508.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 3.99 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 1700 | U |
| 107131 | Acrylonitrile | 1700 | U |
| 75650 | tert-Butyl alcohol | 3100 | U |
| 1634044 | Methyl-tert-Butyl ether | 710 | U |
| 108203 | Di-isopropyl ether | 470 | U |
| | Dichlorodifluoromethane | 950 | U |
| 74-87-3 | Chloromethane | 240 | U |
| 75-01-4 | Vinyl Chloride | 710 | U |
| 74-83-9 | Bromomethane | 470 | U |
| 75-00-3 | Chloroethane | 710 | U |
| 75-69-4 | Trichlorofluoromethane | 470 | U |
| 75-35-4 | 1,1-Dichloroethene | 240 | U |
| 67-64-1 | Acetone | 470 | U |
| 75-15-0 | Carbon Disulfide | 240 | U |
| 75-09-2 | Methylene Chloride | 470 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 470 | U |
| 75-35-3 | 1,1-Dichloroethane | 240 | U |
| 108-05-4 | Vinyl Acetate | 710 | U |
| 78-93-3 | 2-Butanone | 710 | U |
| | cis-1,2-Dichloroethene | 240 | U |
| 67-66-3 | Chloroform | 240 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 240 | U |
| 56-23-5 | Carbon Tetrachloride | 470 | U |
| 71-43-2 | Benzene | 240 | U |
| 107-06-2 | 1,2-Dichloroethane | 470 | U |
| 79-01-6 | Trichloroethene | 240 | U |
| 78-87-5 | 1,2-Dichloropropane | 240 | U |
| 75-27-4 | Bromodichloromethane | 240 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 470 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 240 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 470 | U |
| 108-88-3 | Toluene | 240 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 470 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 470 | U |
| 127-18-4 | Tetrachloroethene | 240 | U |
| 591-78-6 | 2-Hexanone | 470 | U |
| 126-48-1 | Dibromochloromethane | 470 | U |
| 108-90-7 | Chlorobenzene | 240 | U |
| 100-41-4 | Ethylbenzene | 470 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-224

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.05

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V04508.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 3.99 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 710 | U |
| 1330-20-7 | o-Xylene | 470 | U |
| 100-42-5 | Styrene | 470 | U |
| 75-25-2 | Bromoform | 470 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 470 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-224**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.05

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V04508.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 3.99 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|



001010

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-225**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.07

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04509.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 3.93 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

| 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 | 750 | U |
| 108203 | Di-isopropyl ether | 500 | U |
| | Dichlorodifluoromethane | 1000 | U |
| 74-87-3 | Chloromethane | 250 | U |
| 75-01-4 | Vinyl Chloride | 750 | U |
| 74-83-9 | Bromomethane | 500 | U |
| 75-00-3 | Chloroethane | 750 | U |
| 75-69-4 | Trichlorofluoromethane | 500 | U |
| 75-35-4 | 1,1-Dichloroethene | 250 | U |
| 67-64-1 | Acetone | 500 | U |
| 75-15-0 | Carbon Disulfide | 250 | U |
| 75-09-2 | Methylene Chloride | 500 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 500 | U |
| 75-35-3 | 1,1-Dichloroethane | 250 | U |
| 108-05-4 | Vinyl Acetate | 750 | U |
| 78-93-3 | 2-Butanone | 750 | U |
| | cis-1,2-Dichloroethene | 250 | U |
| 67-66-3 | Chloroform | 250 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 250 | U |
| 56-23-5 | Carbon Tetrachloride | 500 | U |
| 71-43-2 | Benzene | 250 | U |
| 107-06-2 | 1,2-Dichloroethane | 500 | U |
| 79-01-6 | Trichloroethene | 250 | U |
| 78-87-5 | 1,2-Dichloropropane | 250 | U |
| 75-27-4 | Bromodichloromethane | 250 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 500 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 250 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 500 | U |
| 108-88-3 | Toluene | 250 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 500 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 500 | U |
| 127-18-4 | Tetrachloroethene | 250 | U |
| 591-78-6 | 2-Hexanone | 500 | U |
| 126-48-1 | Dibromochloromethane | 500 | U |
| 108-90-7 | Chlorobenzene | 250 | U |
| 100-41-4 | Ethylbenzene | 500 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-225**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.07

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04509.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 3.93 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 750 | U |
| 1330-20-7 | o-Xylene | 500 | U |
| 100-42-5 | Styrene | 500 | U |
| 75-25-2 | Bromoform | 500 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 500 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-225**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.07

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04509.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 3.93 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-226**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.09

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V04510.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 6.22 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 1700 | U |
| 107131 | Acrylonitrile | 1700 | U |
| 75650 | tert-Butyl alcohol | 3200 | U |
| 1634044 | Methyl-tert-Butyl ether | 730 | U |
| 108203 | Di-isopropyl ether | 490 | U |
| | Dichlorodifluoromethane | 970 | U |
| 74-87-3 | Chloromethane | 240 | U |
| 75-01-4 | Vinyl Chloride | 730 | U |
| 74-83-9 | Bromomethane | 490 | U |
| 75-00-3 | Chloroethane | 730 | U |
| 75-69-4 | Trichlorofluoromethane | 490 | U |
| 75-35-4 | 1,1-Dichloroethene | 240 | U |
| 67-64-1 | Acetone | 490 | U |
| 75-15-0 | Carbon Disulfide | 240 | U |
| 75-09-2 | Methylene Chloride | 490 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 490 | U |
| 75-35-3 | 1,1-Dichloroethane | 240 | U |
| 108-05-4 | Vinyl Acetate | 730 | U |
| 78-93-3 | 2-Butanone | 730 | U |
| | cis-1,2-Dichloroethene | 240 | U |
| 67-66-3 | Chloroform | 240 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 240 | U |
| 56-23-5 | Carbon Tetrachloride | 490 | U |
| 71-43-2 | Benzene | 240 | U |
| 107-06-2 | 1,2-Dichloroethane | 490 | U |
| 79-01-6 | Trichloroethene | 240 | U |
| 78-87-5 | 1,2-Dichloropropane | 240 | U |
| 75-27-4 | Bromodichloromethane | 240 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 490 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 240 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 490 | U |
| 108-88-3 | Toluene | 240 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 490 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 490 | U |
| 127-18-4 | Tetrachloroethene | 240 | U |
| 591-78-6 | 2-Hexanone | 490 | U |
| 126-48-1 | Dibromochloromethane | 490 | U |
| 108-90-7 | Chlorobenzene | 240 | U |
| 100-41-4 | Ethylbenzene | 490 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-226**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.09

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V04510.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 6.22 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 730 | U |
| 1330-20-7 | o-Xylene | 490 | U |
| 100-42-5 | Styrene | 490 | U |
| 75-25-2 | Bromoform | 490 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 490 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-226**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.09

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V04510.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 6.22 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-227

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.11

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04511.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 20.13 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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-227**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.11

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04511.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 20.13 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 900 | U |
| 1330-20-7 | o-Xylene | 600 | U |
| 100-42-5 | Styrene | 600 | U |
| 75-25-2 | Bromoform | 600 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 600 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-227

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.11

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04511.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 20.13 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-228**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.13

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V04512.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 11.57 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-228**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.13

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V04512.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 11.57 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-228**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.13

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V04512.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 11.57 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-229

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.15

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04513.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 7.1 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 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-229**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.15

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04513.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 7.1 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 810 | U |
| 1330-20-7 | o-Xylene | 540 | U |
| 100-42-5 | Styrene | 540 | U |
| 75-25-2 | Bromoform | 540 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 540 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-229**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.15

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04513.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 7.1 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-230**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.17

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V04514.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 5.68 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 1700 | U |
| 107131 | Acrylonitrile | 1700 | U |
| 75650 | tert-Butyl alcohol | 3100 | U |
| 1634044 | Methyl-tert-Butyl ether | 720 | U |
| 108203 | Di-isopropyl ether | 480 | U |
| | Dichlorodifluoromethane | 960 | U |
| 74-87-3 | Chloromethane | 240 | U |
| 75-01-4 | Vinyl Chloride | 720 | U |
| 74-83-9 | Bromomethane | 480 | U |
| 75-00-3 | Chloroethane | 720 | U |
| 75-69-4 | Trichlorofluoromethane | 480 | U |
| 75-35-4 | 1,1-Dichloroethene | 240 | U |
| 67-64-1 | Acetone | 480 | U |
| 75-15-0 | Carbon Disulfide | 240 | U |
| 75-09-2 | Methylene Chloride | 480 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 480 | U |
| 75-35-3 | 1,1-Dichloroethane | 240 | U |
| 108-05-4 | Vinyl Acetate | 720 | U |
| 78-93-3 | 2-Butanone | 720 | U |
| | cis-1,2-Dichloroethene | 240 | U |
| 67-66-3 | Chloroform | 240 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 240 | U |
| 56-23-5 | Carbon Tetrachloride | 480 | U |
| 71-43-2 | Benzene | 240 | U |
| 107-06-2 | 1,2-Dichloroethane | 480 | U |
| 79-01-6 | Trichloroethene | 240 | U |
| 78-87-5 | 1,2-Dichloropropane | 240 | U |
| 75-27-4 | Bromodichloromethane | 240 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 480 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 240 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 480 | U |
| 108-88-3 | Toluene | 240 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 480 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 480 | U |
| 127-18-4 | Tetrachloroethene | 240 | U |
| 591-78-6 | 2-Hexanone | 480 | U |
| 126-48-1 | Dibromochloromethane | 480 | U |
| 108-90-7 | Chlorobenzene | 240 | U |
| 100-41-4 | Ethylbenzene | 480 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-230

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.17

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V04514.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 5.68 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 720 | U |
| 1330-20-7 | o-Xylene | 480 | U |
| 100-42-5 | Styrene | 480 | U |
| 75-25-2 | Bromoform | 480 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 480 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-230**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.17

Sample wt/vol: 11.0 (g/ml) G Lab File ID: V04514.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 5.68 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-231**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.19

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V04515.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 4.51 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 107028 | Acrolein | 1700 | U |
| 107131 | Acrylonitrile | 1700 | U |
| 75650 | tert-Butyl alcohol | 3100 | U |
| 1634044 | Methyl-tert-Butyl ether | 720 | U |
| 108203 | Di-isopropyl ether | 480 | U |
| | Dichlorodifluoromethane | 970 | U |
| 74-87-3 | Chloromethane | 240 | U |
| 75-01-4 | Vinyl Chloride | 720 | U |
| 74-83-9 | Bromomethane | 480 | U |
| 75-00-3 | Chloroethane | 720 | U |
| 75-69-4 | Trichlorofluoromethane | 480 | U |
| 75-35-4 | 1,1-Dichloroethene | 240 | U |
| 67-64-1 | Acetone | 480 | U |
| 75-15-0 | Carbon Disulfide | 240 | U |
| 75-09-2 | Methylene Chloride | 480 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 480 | U |
| 75-35-3 | 1,1-Dichloroethane | 240 | U |
| 108-05-4 | Vinyl Acetate | 720 | U |
| 78-93-3 | 2-Butanone | 720 | U |
| | cis-1,2-Dichloroethene | 240 | U |
| 67-66-3 | Chloroform | 240 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 240 | U |
| 56-23-5 | Carbon Tetrachloride | 480 | U |
| 71-43-2 | Benzene | 240 | U |
| 107-06-2 | 1,2-Dichloroethane | 480 | U |
| 79-01-6 | Trichloroethene | 240 | U |
| 78-87-5 | 1,2-Dichloropropane | 240 | U |
| 75-27-4 | Bromodichloromethane | 240 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 480 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 240 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 480 | U |
| 108-88-3 | Toluene | 240 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 480 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 480 | U |
| 127-18-4 | Tetrachloroethene | 240 | U |
| 591-78-6 | 2-Hexanone | 480 | U |
| 126-48-1 | Dibromochloromethane | 480 | U |
| 108-90-7 | Chlorobenzene | 240 | U |
| 100-41-4 | Ethylbenzene | 480 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-231**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.19

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V04515.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 4.51 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 720 | U |
| 1330-20-7 | o-Xylene | 480 | U |
| 100-42-5 | Styrene | 480 | U |
| 75-25-2 | Bromoform | 480 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 480 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-231

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3812 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.19

Sample wt/vol: 10.9 (g/ml) G Lab File ID: V04515.D

Level: (low/med) MED Date Received: 08/14/98

% Moisture: not dec. 4.51 Date Analyzed: 08/25/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-232**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.03

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04526.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 7.24 Date Analyzed: 09/02/98

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-232**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.03

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04526.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 7.24 Date Analyzed: 09/02/98

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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-232

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.03

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04526.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 7.24 Date Analyzed: 09/02/98

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-233

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.05

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V04527.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 11.6 Date Analyzed: 09/02/98

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 | 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-233**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.05

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V04527.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 11.6 Date Analyzed: 09/02/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 790 | U |
| 1330-20-7 | o-Xylene | 530 | U |
| 100-42-5 | Styrene | 530 | U |
| 75-25-2 | Bromoform | 530 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 530 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-233**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.05

Sample wt/vol: 10.8 (g/ml) G Lab File ID: V04527.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 11.6 Date Analyzed: 09/02/98

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 | 14.22 | 1600 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-234

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04528.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 16.48 Date Analyzed: 09/02/98

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 | 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-234**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04528.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 16.48 Date Analyzed: 09/02/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 870 | U |
| 1330-20-7 | o-Xylene | 580 | U |
| 100-42-5 | Styrene | 580 | U |
| 75-25-2 | Bromoform | 580 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 580 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-234**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04528.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 16.48 Date Analyzed: 09/02/98

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 | 14.22 | 1900 | J |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-235**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.09

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04529.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 9.22 Date Analyzed: 09/02/98

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

| CAS NO. | COMPOUND | (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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-235**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.09

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04529.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 9.22 Date Analyzed: 09/02/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 780 | U |
| 1330-20-7 | o-Xylene | 520 | U |
| 100-42-5 | Styrene | 520 | U |
| 75-25-2 | Bromoform | 520 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 520 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-235**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.09

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04529.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 9.22 Date Analyzed: 09/02/98

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-236**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.11

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04530.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 12.85 Date Analyzed: 09/02/98

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 | 340 | |
| 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-236**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.11

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04530.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 12.85 Date Analyzed: 09/02/98

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-236**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3827 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.11

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04530.D

Level: (low/med) MED Date Received: 08/25/98

% Moisture: not dec. 12.85 Date Analyzed: 09/02/98

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-237

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.03

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04549.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 11.41 Date Analyzed: 09/08/98

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 | 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-237**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.03

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04549.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 11.41 Date Analyzed: 09/08/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 820 | U |
| 1330-20-7 | o-Xylene | 550 | U |
| 100-42-5 | Styrene | 550 | U |
| 75-25-2 | Bromoform | 550 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 550 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-237

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.03

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04549.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 11.41 Date Analyzed: 09/08/98

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-238**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.05

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04550.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 18.51 Date Analyzed: 09/08/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-238**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.05

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04550.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 18.51 Date Analyzed: 09/08/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 910 | U |
| 1330-20-7 | o-Xylene | 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-238**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.05

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04550.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 18.51 Date Analyzed: 09/08/98

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-239

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.07

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04551.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 39.11 Date Analyzed: 09/08/98

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 | 2900 | U |
| 107131 | Acrylonitrile | 2900 | U |
| 75650 | tert-Butyl alcohol | 5400 | 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

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B-239**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.07

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04551.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 39.11 Date Analyzed: 09/08/98

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 | 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 |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-239**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.07

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04551.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 39.11 Date Analyzed: 09/08/98

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-240**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.09

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04552.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 36.08 Date Analyzed: 09/08/98

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 | 2700 | U |
| 107131 | Acrylonitrile | 2700 | U |
| 75650 | tert-Butyl alcohol | 5000 | U |
| 1634044 | Methyl-tert-Butyl ether | 1100 | U |
| 108203 | Di-isopropyl ether | 760 | U |
| | Dichlorodifluoromethane | 1500 | U |
| 74-87-3 | Chloromethane | 380 | U |
| 75-01-4 | Vinyl Chloride | 1100 | U |
| 74-83-9 | Bromomethane | 760 | U |
| 75-00-3 | Chloroethane | 1100 | U |
| 75-69-4 | Trichlorofluoromethane | 760 | U |
| 75-35-4 | 1,1-Dichloroethene | 380 | U |
| 67-64-1 | Acetone | 760 | U |
| 75-15-0 | Carbon Disulfide | 380 | U |
| 75-09-2 | Methylene Chloride | 760 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 760 | U |
| 75-35-3 | 1,1-Dichloroethane | 380 | U |
| 108-05-4 | Vinyl Acetate | 1100 | U |
| 78-93-3 | 2-Butanone | 1100 | U |
| | cis-1,2-Dichloroethene | 380 | U |
| 67-66-3 | Chloroform | 380 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 380 | U |
| 56-23-5 | Carbon Tetrachloride | 760 | U |
| 71-43-2 | Benzene | 380 | U |
| 107-06-2 | 1,2-Dichloroethane | 760 | U |
| 79-01-6 | Trichloroethene | 380 | U |
| 78-87-5 | 1,2-Dichloropropane | 380 | U |
| 75-27-4 | Bromodichloromethane | 380 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 760 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 380 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 760 | U |
| 108-88-3 | Toluene | 380 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 760 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 760 | U |
| 127-18-4 | Tetrachloroethene | 380 | U |
| 591-78-6 | 2-Hexanone | 760 | U |
| 126-48-1 | Dibromochloromethane | 760 | U |
| 108-90-7 | Chlorobenzene | 380 | U |
| 100-41-4 | Ethylbenzene | 760 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-240**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.09

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04552.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 36.08 Date Analyzed: 09/08/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 1100 | U |
| 1330-20-7 | o-Xylene | 760 | U |
| 100-42-5 | Styrene | 760 | U |
| 75-25-2 | Bromoform | 760 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 760 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-240**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.09

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04552.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 36.08 Date Analyzed: 09/08/98

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-241**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.11

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04553.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 50.09 Date Analyzed: 09/08/98

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 | 3500 | U |
| 107131 | Acrylonitrile | 3500 | U |
| 75650 | tert-Butyl alcohol | 6500 | U |
| 1634044 | Methyl-tert-Butyl ether | 1500 | U |
| 108203 | Di-isopropyl ether | 1000 | U |
| | Dichlorodifluoromethane | 2000 | U |
| 74-87-3 | Chloromethane | 500 | U |
| 75-01-4 | Vinyl Chloride | 1500 | U |
| 74-83-9 | Bromomethane | 1000 | U |
| 75-00-3 | Chloroethane | 1500 | U |
| 75-69-4 | Trichlorofluoromethane | 1000 | U |
| 75-35-4 | 1,1-Dichloroethene | 500 | U |
| 67-64-1 | Acetone | 1000 | U |
| 75-15-0 | Carbon Disulfide | 500 | U |
| 75-09-2 | Methylene Chloride | 1000 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1000 | U |
| 75-35-3 | 1,1-Dichloroethane | 500 | U |
| 108-05-4 | Vinyl Acetate | 1500 | U |
| 78-93-3 | 2-Butanone | 1500 | U |
| | cis-1,2-Dichloroethene | 500 | U |
| 67-66-3 | Chloroform | 500 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 500 | U |
| 56-23-5 | Carbon Tetrachloride | 1000 | U |
| 71-43-2 | Benzene | 500 | U |
| 107-06-2 | 1,2-Dichloroethane | 1000 | U |
| 79-01-6 | Trichloroethene | 500 | U |
| 78-87-5 | 1,2-Dichloropropane | 500 | U |
| 75-27-4 | Bromodichloromethane | 500 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 1000 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 500 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1000 | U |
| 108-88-3 | Toluene | 500 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 1000 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1000 | U |
| 127-18-4 | Tetrachloroethene | 500 | U |
| 591-78-6 | 2-Hexanone | 1000 | U |
| 126-48-1 | Dibromochloromethane | 1000 | U |
| 108-90-7 | Chlorobenzene | 500 | U |
| 100-41-4 | Ethylbenzene | 1000 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-241**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.11

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04553.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 50.09 Date Analyzed: 09/08/98

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 | 1500 | 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 |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-241**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.11

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04553.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 50.09 Date Analyzed: 09/08/98

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-242

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.13

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04554.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 25.08 Date Analyzed: 09/08/98

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 | 2300 | U |
| 107131 | Acrylonitrile | 2300 | U |
| 75650 | tert-Butyl alcohol | 4300 | U |
| 1634044 | Methyl-tert-Butyl ether | 1000 | U |
| 108203 | Di-isopropyl ether | 670 | U |
| | Dichlorodifluoromethane | 1300 | U |
| 74-87-3 | Chloromethane | 330 | U |
| 75-01-4 | Vinyl Chloride | 1000 | U |
| 74-83-9 | Bromomethane | 670 | U |
| 75-00-3 | Chloroethane | 1000 | U |
| 75-69-4 | Trichlorofluoromethane | 670 | U |
| 75-35-4 | 1,1-Dichloroethene | 330 | U |
| 67-64-1 | Acetone | 670 | U |
| 75-15-0 | Carbon Disulfide | 330 | U |
| 75-09-2 | Methylene Chloride | 670 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 670 | U |
| 75-35-3 | 1,1-Dichloroethane | 330 | U |
| 108-05-4 | Vinyl Acetate | 1000 | U |
| 78-93-3 | 2-Butanone | 1000 | 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 | 670 | U |
| 71-43-2 | Benzene | 330 | U |
| 107-06-2 | 1,2-Dichloroethane | 670 | 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 | 670 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 330 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 670 | U |
| 108-88-3 | Toluene | 330 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 670 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 670 | U |
| 127-18-4 | Tetrachloroethene | 330 | U |
| 591-78-6 | 2-Hexanone | 670 | U |
| 126-48-1 | Dibromochloromethane | 670 | U |
| 108-90-7 | Chlorobenzene | 330 | U |
| 100-41-4 | Ethylbenzene | 670 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-242**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.13

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04554.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 25.08 Date Analyzed: 09/08/98

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 | 1000 | U |
| 1330-20-7 | o-Xylene | 670 | U |
| 100-42-5 | Styrene | 670 | U |
| 75-25-2 | Bromoform | 670 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 670 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-242**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.13

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04554.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 25.08 Date Analyzed: 09/08/98

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-243

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.15

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04555.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 25.59 Date Analyzed: 09/08/98

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 | 2400 | U |
| 107131 | Acrylonitrile | 2400 | U |
| 75650 | tert-Butyl alcohol | 4400 | U |
| 1634044 | Methyl-tert-Butyl ether | 1000 | U |
| 108203 | Di-isopropyl ether | 670 | U |
| | Dichlorodifluoromethane | 1300 | U |
| 74-87-3 | Chloromethane | 340 | U |
| 75-01-4 | Vinyl Chloride | 1000 | U |
| 74-83-9 | Bromomethane | 670 | U |
| 75-00-3 | Chloroethane | 1000 | U |
| 75-69-4 | Trichlorofluoromethane | 670 | U |
| 75-35-4 | 1,1-Dichloroethene | 340 | U |
| 67-64-1 | Acetone | 670 | U |
| 75-15-0 | Carbon Disulfide | 340 | U |
| 75-09-2 | Methylene Chloride | 670 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 670 | 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 | 670 | U |
| 71-43-2 | Benzene | 340 | U |
| 107-06-2 | 1,2-Dichloroethane | 670 | 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 | 670 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 340 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 670 | U |
| 108-88-3 | Toluene | 340 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 670 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 670 | U |
| 127-18-4 | Tetrachloroethene | 340 | U |
| 591-78-6 | 2-Hexanone | 670 | U |
| 126-48-1 | Dibromochloromethane | 670 | U |
| 108-90-7 | Chlorobenzene | 340 | U |
| 100-41-4 | Ethylbenzene | 670 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-243**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.15

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04555.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 25.59 Date Analyzed: 09/08/98

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 | 1000 | U |
| 1330-20-7 | o-Xylene | 670 | U |
| 100-42-5 | Styrene | 670 | U |
| 75-25-2 | Bromoform | 670 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 670 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-243**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.15

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04555.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 25.59 Date Analyzed: 09/08/98

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-244**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.17

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04556.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 12.92 Date Analyzed: 09/08/98

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 | 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-244**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.17

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04556.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 12.92 Date Analyzed: 09/08/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 860 | U |
| 1330-20-7 | o-Xylene | 570 | U |
| 100-42-5 | Styrene | 570 | U |
| 75-25-2 | Bromoform | 570 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 570 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-244**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.17

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04556.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 12.92 Date Analyzed: 09/08/98

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-245**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.19

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04557.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 18.27 Date Analyzed: 09/08/98

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 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-245**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 3836.19

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04557.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 18.27 Date Analyzed: 09/08/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 1330-20-7 | m+p-Xylenes | 940 | U |
| 1330-20-7 | o-Xylene | 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-245**

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.19

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04557.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 18.27 Date Analyzed: 09/08/98

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-246

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.21

Sample wt/vol: 7.3 (g/ml) G Lab File ID: VB01442.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 27.51 Date Analyzed: 09/08/98

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 | 3300 | U |
| 107131 | Acrylonitrile | 3300 | U |
| 75650 | tert-Butyl alcohol | 6100 | U |
| 1634044 | Methyl-tert-Butyl ether | 1400 | U |
| 108203 | Di-isopropyl ether | 940 | U |
| | Dichlorodifluoromethane | 1900 | U |
| 74-87-3 | Chloromethane | 470 | U |
| 75-01-4 | Vinyl Chloride | 1400 | U |
| 74-83-9 | Bromomethane | 940 | U |
| 75-00-3 | Chloroethane | 1400 | U |
| 75-69-4 | Trichlorofluoromethane | 940 | U |
| 75-35-4 | 1,1-Dichloroethene | 470 | U |
| 67-64-1 | Acetone | 940 | U |
| 75-15-0 | Carbon Disulfide | 470 | U |
| 75-09-2 | Methylene Chloride | 940 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 940 | U |
| 75-35-3 | 1,1-Dichloroethane | 470 | U |
| 108-05-4 | Vinyl Acetate | 1400 | U |
| 78-93-3 | 2-Butanone | 1400 | U |
| | cis-1,2-Dichloroethene | 470 | U |
| 67-66-3 | Chloroform | 470 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 470 | U |
| 56-23-5 | Carbon Tetrachloride | 940 | U |
| 71-43-2 | Benzene | 470 | U |
| 107-06-2 | 1,2-Dichloroethane | 940 | U |
| 79-01-6 | Trichloroethene | 470 | U |
| 78-87-5 | 1,2-Dichloropropane | 470 | U |
| 75-27-4 | Bromodichloromethane | 470 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 940 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 470 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 940 | U |
| 108-88-3 | Toluene | 470 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 940 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 940 | U |
| 127-18-4 | Tetrachloroethene | 470 | U |
| 591-78-6 | 2-Hexanone | 940 | U |
| 126-48-1 | Dibromochloromethane | 940 | U |
| 108-90-7 | Chlorobenzene | 470 | U |
| 100-41-4 | Ethylbenzene | 940 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-246**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.21

Sample wt/vol: 7.3 (g/ml) G Lab File ID: VB01442.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 27.51 Date Analyzed: 09/08/98

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 | 1400 | U |
| 1330-20-7 | o-Xylene | 940 | U |
| 100-42-5 | Styrene | 940 | U |
| 75-25-2 | Bromoform | 940 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 940 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-246**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.21

Sample wt/vol: 7.3 (g/ml) G Lab File ID: VB01442.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 27.51 Date Analyzed: 09/08/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-247

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.23

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB01443.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 18.48 Date Analyzed: 09/08/98

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 | 4100 | 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-247

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.23

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB01443.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 18.48 Date Analyzed: 09/08/98

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 | 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-247**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix: (soil/water) SOIL Lab Sample ID: 3836.23

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB01443.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 18.48 Date Analyzed: 09/08/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-248**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.25

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB01444.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 18.9 Date Analyzed: 09/08/98

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 | 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

**B-248**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.25

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB01444.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 18.9 Date Analyzed: 09/08/98

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 | 940 | U |
| 1330-20-7 | o-Xylene | 630 | U |
| 100-42-5 | Styrene | 630 | U |
| 75-25-2 | Bromoform | 630 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 630 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-248**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.25

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB01444.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 18.9 Date Analyzed: 09/08/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-249

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.27

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB01445.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 34.13 Date Analyzed: 09/08/98

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 | 2700 | U |
| 107131 | Acrylonitrile | 2700 | U |
| 75650 | tert-Butyl alcohol | 5100 | U |
| 1634044 | Methyl-tert-Butyl ether | 1200 | U |
| 108203 | Di-isopropyl ether | 780 | U |
| | Dichlorodifluoromethane | 1600 | U |
| 74-87-3 | Chloromethane | 390 | U |
| 75-01-4 | Vinyl Chloride | 1200 | U |
| 74-83-9 | Bromomethane | 780 | U |
| 75-00-3 | Chloroethane | 1200 | U |
| 75-69-4 | Trichlorofluoromethane | 780 | U |
| 75-35-4 | 1,1-Dichloroethene | 390 | U |
| 67-64-1 | Acetone | 780 | U |
| 75-15-0 | Carbon Disulfide | 390 | U |
| 75-09-2 | Methylene Chloride | 780 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 780 | U |
| 75-35-3 | 1,1-Dichloroethane | 390 | U |
| 108-05-4 | Vinyl Acetate | 1200 | U |
| 78-93-3 | 2-Butanone | 1200 | U |
| | cis-1,2-Dichloroethene | 390 | U |
| 67-66-3 | Chloroform | 390 | U |
| 75-55-6 | 1,1,1-Trichloroethane | 390 | U |
| 56-23-5 | Carbon Tetrachloride | 780 | U |
| 71-43-2 | Benzene | 390 | U |
| 107-06-2 | 1,2-Dichloroethane | 780 | U |
| 79-01-6 | Trichloroethene | 390 | U |
| 78-87-5 | 1,2-Dichloropropane | 390 | U |
| 75-27-4 | Bromodichloromethane | 390 | U |
| 110-75-8 | 2-Chloroethyl vinyl ether | 780 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 390 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 780 | U |
| 108-88-3 | Toluene | 390 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 780 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 780 | U |
| 127-18-4 | Tetrachloroethene | 390 | U |
| 591-78-6 | 2-Hexanone | 780 | U |
| 126-48-1 | Dibromochloromethane | 780 | U |
| 108-90-7 | Chlorobenzene | 390 | U |
| 100-41-4 | Ethylbenzene | 780 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-249

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.27

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB01445.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 34.13 Date Analyzed: 09/08/98

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 | 780 | U |
| 100-42-5 | Styrene | 780 | U |
| 75-25-2 | Bromoform | 780 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 780 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-249**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.27

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB01445.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 34.13 Date Analyzed: 09/08/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-250**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.29

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01446.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 21.9 Date Analyzed: 09/08/98

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 | 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-250**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.29

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01446.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 21.9 Date Analyzed: 09/08/98

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 | 960 | U |
| 1330-20-7 | o-Xylene | 640 | U |
| 100-42-5 | Styrene | 640 | U |
| 75-25-2 | Bromoform | 640 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 640 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B-250**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.29

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB01446.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 21.9 Date Analyzed: 09/08/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-251

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.31

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01447.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 4.16 Date Analyzed: 09/08/98

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 | 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-251

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.31

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01447.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 4.16 Date Analyzed: 09/08/98

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 | 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-251**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.31

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01447.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 4.16 Date Analyzed: 09/08/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

FIELD ID.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-252

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.33

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01448.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 21.83 Date Analyzed: 09/08/98

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-252

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.33

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01448.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 21.83 Date Analyzed: 09/08/98

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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-252

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.33

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01448.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 21.83 Date Analyzed: 09/08/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-253

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.35

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB01449.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 15.67 Date Analyzed: 09/08/98

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 | 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-253

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.35

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB01449.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 15.67 Date Analyzed: 09/08/98

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 | 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-253**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.35

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB01449.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 15.67 Date Analyzed: 09/08/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-254

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.37

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB01450.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 6.02 Date Analyzed: 09/08/98

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 | 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-254

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.37

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB01450.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 6.02 Date Analyzed: 09/08/98

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 | 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-254**

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3836 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3836.37

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB01450.D

Level: (low/med) MED Date Received: 08/27/98

% Moisture: not dec. 6.02 Date Analyzed: 09/08/98

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 NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

# METHOD BLANKS

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 52**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 52

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1438.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/09/98

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 | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 52**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 52

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1438.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/09/98

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 | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 3500 | |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 100 | J |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 52**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 52

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1438.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/09/98

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: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 4.85 | 1100 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 53**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 53

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1539.D

Level: (low/med) LOW Date Received: 04/09/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 53**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 53

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1539.D

Level: (low/med) LOW Date Received: 04/09/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 7700 | |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 53**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 53

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1539.D

Level: (low/med) LOW Date Received: 04/09/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000112-92-5 | 1-Octadecanol | 26.40 | 2400 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 54**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 54

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1516.D

Level: (low/med) LOW Date Received: 04/11/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 300 | U |
| 62-75-9 | N-nitroso-dimethylamine | 200 | U |
| 62-53-3 | Aniline | 220 | U |
| 108-95-2 | Phenol | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 54**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 54

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1516.D

Level: (low/med) LOW Date Received: 04/11/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 180 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 4100 | |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 170 | J |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 54**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 54

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1516.D

Level: (low/med) LOW Date Received: 04/11/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

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. 000110-83-8 | Cyclohexene | 3.49 | 49000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.96 | 1100 | JN |
| 3. 074685-30-6 | 5-Eicosene, (E)- | 26.39 | 2900 | JN |
| 4. | unknown | 28.90 | 2300 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 55**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 55

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1527.D

Level: (low/med) LOW Date Received: 04/13/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 55**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 55

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1527.D

Level: (low/med) LOW Date Received: 04/13/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 590 | J |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 140 | J |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 55**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 55

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1527.D

Level: (low/med) LOW Date Received: 04/13/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.49 | 27000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.96 | 1000 | JN |
| 3. 000629-96-9 | 1-Eicosanol | 26.40 | 3500 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 56**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 4/15

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1550.D

Level: (low/med) LOW Date Received: 04/14/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 56**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 4/15

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1550.D

Level: (low/med) LOW Date Received: 04/14/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 270 | J |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 56**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 4/15

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1550.D

Level: (low/med) LOW Date Received: 04/14/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.44 | 40000 | JN |
| 2. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.41 | 5200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 57**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 4/16

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1545.D

Level: (low/med) LOW Date Received: 04/15/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

SBLK 57

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 4/16

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1545.D

Level: (low/med) LOW Date Received: 04/15/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 7300 | |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 2600 | |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 57**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 4/16

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1545.D

Level: (low/med) LOW Date Received: 04/15/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.47 | 47000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.96 | 840 | JN |
| 3. 036653-82-4 | 1-Hexadecanol | 26.40 | 4400 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 58**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 58

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1526.D

Level: (low/med) LOW Date Received: 04/20/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 58**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 58

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1526.D

Level: (low/med) LOW Date Received: 04/20/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 96 | J |
| 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 | 2200 | |
| 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 | 59 | 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 58**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 58

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1526.D

Level: (low/med) LOW Date Received: 04/20/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

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. 000110-83-8 | Cyclohexene | 3.50 | 19000 | JN |
| 2. 000112-92-5 | 1-Octadecanol | 26.39 | 890 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 59**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 59

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1538.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 59**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 59

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1538.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 18000 | E |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 140 | J |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 59**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 59

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1538.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000563-80-4 | 2-Butanone, 3-methyl- | 3.31 | 1200 | JN |
| 2. 001454-84-8 | 1-Nonadecanol | 26.40 | 6300 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 60**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 60

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1576.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 60**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 60

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1576.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 3600 | |
| 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 | 460 | |
| 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 60**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 60

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1576.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.97 | 530 | JN |
| 2. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.41 | 1600 | JN |

001129

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 63**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 63

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1609.D

Level: (low/med) LOW Date Received: 05/01/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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 | 300 | U |
| 62-75-9 | N-nitroso-dimethylamine | 200 | U |
| 62-53-3 | Aniline | 220 | U |
| 108-95-2 | Phenol | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 63**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 63

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1609.D

Level: (low/med) LOW Date Received: 05/01/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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 | 180 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 750 | J |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 120 | J |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 63**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 63

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1609.D

Level: (low/med) LOW Date Received: 05/01/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.95 | 1300 | JN |
| 2. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.39 | 4300 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 64**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 64

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1621.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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 | 300 | U |
| 62-75-9 | N-nitroso-dimethylamine | 200 | U |
| 62-53-3 | Aniline | 220 | U |
| 108-95-2 | Phenol | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 64**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 64

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1621.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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 | 180 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 140 | J |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 1100 | |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 64**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 64

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1621.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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. 000110-83-8 | Cyclohexene | 3.45 | 1600 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.96 | 1600 | JN |
| 3. 001599-67-3 | 1-Docosene | 26.39 | 7600 | JN |
| 4. | unknown | 28.58 | 1200 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 65**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 65

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1627.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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 | 300 | U |
| 62-75-9 | N-nitroso-dimethylamine | 200 | U |
| 62-53-3 | Aniline | 220 | U |
| 108-95-2 | Phenol | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 65**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 65

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1627.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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 | 180 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 130 | J |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 65**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 65

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1627.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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. 000110-83-8 | Cyclohexene | 3.44 | 7100 | JN |
| 2. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.38 | 3000 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 68**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 68

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1689.D

Level: (low/med) LOW Date Received: 05/11/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/20/98

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 | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 68**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 68

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1689.D

Level: (low/med) LOW Date Received: 05/11/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/20/98

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 | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 120 | J |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 68**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 68

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1689.D

Level: (low/med) LOW Date Received: 05/11/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/20/98

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 | 3.37 | 6300 | J |
| 2. 000629-96-9 | 1-Eicosanol | 26.37 | 1200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 69**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 69

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1707.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/22/98

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 69**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 69

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1707.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/22/98

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 | 370 | 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 | 110 | 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 69**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 69

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1707.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/22/98

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. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.94 | 560 | JN |
| 2. 001599-67-3 | 1-Docosene | 26.38 | 3300 | JN |
| 3. | unknown | 28.88 | 420 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 70**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 70

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1709.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/22/98

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 | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 70**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 70

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1709.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/22/98

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 | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 390 | J |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 150 | J |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 70**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 70

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1709.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/22/98

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. 000629-96-9 | 1-Eicosanol | 26.38 | 6600 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 72**

Lab Name: FMETL Location: M-5

Cert. No. 13461 Case No.: 3550 Project N 980211 SDG No.

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 72

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1787.D

Level: (low/med) LOW Date Received: 05/18/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 500 | U |
| 62-75-9 | N-nitroso-dimethylamine | 500 | U |
| 62-53-3 | Aniline | 500 | U |
| 108-95-2 | Phenol | 500 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 500 | U |
| 95-57-8 | 2-Chlorophenol | 500 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 500 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 500 | U |
| 100-51-6 | Benzyl alcohol | 500 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 500 | U |
| | 2-Methylphenol | 500 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 500 | U |
| | 4-Methylphenol | 500 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 500 | U |
| 67-72-1 | Hexachloroethane | 500 | U |
| 98-95-3 | Nitrobenzene | 500 | U |
| 78-59-1 | Isophorone | 500 | U |
| 88-75-5 | 2-Nitrophenol | 500 | U |
| 105-67-9 | 2,4-Dimethylphenol | 500 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 500 | U |
| 120-83-2 | 2,4-Dichlorophenol | 500 | U |
| 65-85-0 | Benzoic Acid | 500 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 500 | U |
| 91-20-3 | Naphthalene | 500 | U |
| 106-47-8 | 4-Chloroaniline | 500 | U |
| 87-68-3 | Hexachlorobutadiene | 500 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 500 | U |
| 91-57-6 | 2-Methylnaphthalene | 500 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 500 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 500 | U |
| | 2,4,5-Trichlorophenol | 500 | U |
| 91-58-7 | 2-Chloronaphthalene | 500 | U |
| 88-74-4 | 2-Nitroaniline | 500 | U |
| 131-11-3 | Dimethylphthalate | 500 | U |
| 208-96-8 | Acenaphthylene | 500 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 500 | U |
| 99-09-2 | 3-Nitroaniline | 500 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 72**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 72

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1787.D

Level: (low/med) LOW Date Received: 05/18/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 160 | 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 | 140 | U |
| 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 72**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 72

Sample wt/vol: 20 (g/ml) G Lab File ID: BN1787.D

Level: (low/med) LOW Date Received: 05/18/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

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 | 3.31 | 530 | J |
| 2. 001599-67-3 | 1-Docosene | 26.36 | 4000 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 74**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 74

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1820.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

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 | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 74**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 74

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1820.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

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 | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 440 | J |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 74**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 74

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1820.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

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. 000112-92-5 | 1-Octadecanol | 26.35 | 5400 | JN |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

**SBLK 75**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 75

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1862.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 300 | U |
| 62-75-9 | N-nitroso-dimethylamine | 200 | U |
| 62-53-3 | Aniline | 220 | U |
| 108-95-2 | Phenol | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 75**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 75

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1862.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 180 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 400 | J |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 75**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 75

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1862.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 074685-30-6 | 5-Eicosene, (E)- | 26.33 | 5100 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 76**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 76

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1834.D

Level: (low/med) LOW Date Received: 05/26/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/03/98

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 | 300 | U |
| 62-75-9 | N-nitroso-dimethylamine | 200 | U |
| 62-53-3 | Aniline | 220 | U |
| 108-95-2 | Phenol | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 76**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 76

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1834.D

Level: (low/med) LOW Date Received: 05/26/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 05/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/03/98

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 | 180 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 640 | J |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 130 | J |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 76**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 76

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1834.D

Level: (low/med) LOW Date Received: 05/26/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/03/98

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. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.93 | 4900 | JN |
| 2. 074685-30-6 | 5-Eicosene, (E)- | 26.35 | 8800 | JN |
| 3. 000105-87-3 | 2,6-Octadien-1-ol, 3,7-dimethyl-, | 28.85 | 4300 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 94**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 94

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00238.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

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 | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 160 | U |
| 65-85-0 | Benzoic Acid | 500 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 94**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 94

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00238.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

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 | 500 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 500 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 260 | J |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 94**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 94

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00238.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

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 | 5.77 | 1200 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 98**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 98

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00263.D

Level: (low/med) LOW Date Received: 06/26/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 06/29/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/98

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 | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 160 | U |
| 65-85-0 | Benzoic Acid | 500 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 98**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 98

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00263.D

Level: (low/med) LOW Date Received: 06/26/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 06/29/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/98

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 | 500 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 500 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 160 | J |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 98**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 98

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00263.D

Level: (low/med) LOW Date Received: 06/26/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 06/29/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 99**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 99

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00280.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/98

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 | 300 | U |
| 62-75-9 | N-nitroso-dimethylamine | 200 | U |
| 62-53-3 | Aniline | 220 | U |
| 108-95-2 | Phenol | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 160 | U |
| 65-85-0 | Benzoic Acid | 500 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 99**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 99

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00280.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/98

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 | 180 | U |
| 51-28-5 | 2,4-Dinitrophenol | 500 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 500 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 120 | J |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 99**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 99

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00280.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 103**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 103

Sample wt/vol: 10 (g/ml) G Lab File ID: BN2067.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 300 | U |
| 62-75-9 | N-nitroso-dimethylamine | 200 | U |
| 62-53-3 | Aniline | 220 | U |
| 108-95-2 | Phenol | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK 103**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 103

Sample wt/vol: 10 (g/ml) G Lab File ID: BN2067.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 180 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 760 | J |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK 103**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 103

Sample wt/vol: 10 (g/ml) G Lab File ID: BN2067.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

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 | 6.29 | 1500 | J |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.72 | 1500 | JN |
| 3. 001599-67-3 | 1-Docosene | 26.18 | 8500 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK114**

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 114

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00399.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/21/98

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 | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 160 | U |
| 65-85-0 | Benzoic Acid | 500 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK114**

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 114

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00399.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/21/98

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 | 500 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 500 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 830 | U |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**SBLK114**

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK 114

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00399.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000112-88-9 | 1-Octadecene | 25.00 | 6100 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK115**

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK115

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00524.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 1000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK115**

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK115

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00524.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1000 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1000 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1000 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1000 | U |
| 118-74-1 | Hexachlorobenzene | 1000 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 1000 | U |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 720 | 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 | 1000 | U |
| 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**SBLK115**

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK115

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00524.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 18.96 | 1200 | JN |
| 2. 000629-96-9 | 1-Eicosanol | 24.42 | 1300 | JN |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

**SBLK120**

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK120

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00600.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/15/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 1000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**SBLK120**

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK120

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00600.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/15/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1000 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1000 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1000 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1000 | U |
| 118-74-1 | Hexachlorobenzene | 1000 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 1000 | U |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 1000 | U |
| 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 | 1000 | U |
| 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**SBLK120**

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK120

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00600.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/15/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 001454-84-8 | 1-Nonadecanol | 24.41 | 2600 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Sblk121**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK121

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00602.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/15/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 1000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Sblk121**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK121

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00602.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/15/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1000 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1000 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1000 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1000 | U |
| 118-74-1 | Hexachlorobenzene | 1000 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 1000 | U |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 1000 | U |
| 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 | 1000 | U |
| 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**Sblk121**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: SBLK121

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00602.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/15/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000629-96-9 | 1-Eicosanol | 24.40 | 3100 | JN |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

**B-157**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: BNA00241.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 10.65 decanted:(Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

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 | 570 | 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 | 64 | 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-157**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: BNA00241.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 10.65 decanted:(Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

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 | 570 | 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 | 570 | 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 | 140 | J |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 500 | JB |
| 206-44-0 | Fluoranthene | 190 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 280 | |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 220 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 390 | U |
| 218-01-9 | Chrysene | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 310 | U |
| 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-157**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: BNA00241.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 10.65 decanted: (Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

# FIELD DUPLICATES

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.15

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN1555.D

Level: (low/med) LOW Date Received: 04/14/98

% Moisture: 13.54 decanted:(Y/N) N Date Extracted: 04/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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.

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.15

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN1555.D

Level: (low/med) LOW Date Received: 04/14/98

% Moisture: 13.54 decanted:(Y/N) N Date Extracted: 04/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 220 | U |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 590 | JB |
| 206-44-0 | Fluoranthene | 220 | U |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 260 | U |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 220 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 390 | U |
| 218-01-9 | Chrysene | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 130 | J |
| 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

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.15

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN1555.D

Level: (low/med) LOW Date Received: 04/14/98

% Moisture: 13.54 decanted: (Y/N) N Date Extracted: 04/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.42 | 33000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.97 | 950 | JN |
| 3. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.40 | 6800 | JN |
| 4. 000629-96-9 | 1-Eicosanol | 31.00 | 1100 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.18

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN1618.D

Level: (low/med) LOW Date Received: 05/04/98

% Moisture: 22.16 decanted:(Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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 | 380 | U |
| 62-75-9 | N-nitroso-dimethylamine | 260 | U |
| 62-53-3 | Aniline | 280 | U |
| 108-95-2 | Phenol | 430 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 270 | U |
| 95-57-8 | 2-Chlorophenol | 240 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 260 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 370 | U |
| 100-51-6 | Benzyl alcohol | 340 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 300 | U |
| | 2-Methylphenol | 260 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 320 | U |
| | 4-Methylphenol | 340 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 310 | U |
| 67-72-1 | Hexachloroethane | 270 | U |
| 98-95-3 | Nitrobenzene | 340 | U |
| 78-59-1 | Isophorone | 330 | U |
| 88-75-5 | 2-Nitrophenol | 210 | U |
| 105-67-9 | 2,4-Dimethylphenol | 370 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 150 | U |
| 120-83-2 | 2,4-Dichlorophenol | 200 | U |
| 65-85-0 | Benzoic Acid | 1300 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 330 | U |
| 91-20-3 | Naphthalene | 310 | U |
| 106-47-8 | 4-Chloroaniline | 370 | U |
| 87-68-3 | Hexachlorobutadiene | 320 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 250 | U |
| 91-57-6 | 2-Methylnaphthalene | 350 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 73 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 240 | U |
| | 2,4,5-Trichlorophenol | 270 | U |
| 91-58-7 | 2-Chloronaphthalene | 230 | U |
| 88-74-4 | 2-Nitroaniline | 210 | U |
| 131-11-3 | Dimethylphthalate | 190 | U |
| 208-96-8 | Acenaphthylene | 250 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 290 | U |
| 99-09-2 | 3-Nitroaniline | 320 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.18

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN1618.D

Level: (low/med) LOW Date Received: 05/04/98

% Moisture: 22.16 decanted:(Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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 | 1300 | U |
| 132-64-9 | Dibenzofuran | 240 | U |
| 100-02-7 | 4-Nitrophenol | 590 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 240 | U |
| 84-66-2 | Diethylphthalate | 260 | U |
| 86-73-7 | Fluorene | 240 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 240 | U |
| 100-01-6 | 4-Nitroaniline | 360 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1300 | 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 | 340 | U |
| 87-86-5 | Pentachlorophenol | 380 | U |
| 85-01-8 | Phenanthrene | 140 | J |
| 120-12-7 | Anthracene | 250 | U |
| 84-74-2 | Di-n-butylphthalate | 870 | JB |
| 206-44-0 | Fluoranthene | 180 | J |
| 92-87-5 | Benzidine | 1200 | U |
| 129-00-0 | Pyrene | 140 | J |
| 85-68-7 | Butylbenzylphthalate | 320 | U |
| 56-55-3 | Benzo[a]anthracene | 250 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 440 | U |
| 218-01-9 | Chrysene | 130 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 350 | U |
| 117-84-0 | Di-n-octylphthalate | 360 | U |
| 205-99-2 | Benzo[b]fluoranthene | 310 | U |
| 207-08-9 | Benzo[k]fluoranthene | 230 | U |
| 50-32-8 | Benzo[a]pyrene | 240 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 260 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 310 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 310 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.18

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN1618.D

Level: (low/med) LOW Date Received: 05/04/98

% Moisture: 22.16 decanted: (Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.95 | 1500 | JN |
| 2. 000057-10-3 | Hexadecanoic acid | 21.79 | 1300 | JN |
| 3. 000629-96-9 | 1-Eicosanol | 26.39 | 11000 | JN |
| 4. | unknown | 28.58 | 1900 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.23

Sample wt/vol: 10.35 (g/ml) G Lab File ID: BN1733.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 8.32 decanted:(Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 260 | 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 | 60 | 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 | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.23

Sample wt/vol: 10.35 (g/ml) G Lab File ID: BN1733.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 8.32 decanted:(Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 1100 | U |
| 132-64-9 | Dibenzofuran | 200 | U |
| 100-02-7 | 4-Nitrophenol | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 200 | U |
| 84-66-2 | Diethylphthalate | 210 | 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 | 200 | U |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 1300 | B |
| 206-44-0 | Fluoranthene | 200 | U |
| 92-87-5 | Benzidine | 950 | U |
| 129-00-0 | Pyrene | 240 | U |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 210 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 260 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 270 | 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 | 210 | 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

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.23

Sample wt/vol: 10.35 (g/ml) G Lab File ID: BN1733.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 8.32 decanted: (Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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. 000110-83-8 | Cyclohexene | 3.46 | 26000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.94 | 1900 | JN |
| 3. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.37 | 7300 | JN |
| 4. | unknown | 28.88 | 3400 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.38

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN1807.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 13.66 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

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 | 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.

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.38

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN1807.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 13.66 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

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 | 230 | 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 | 220 | U |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 220 | 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 | 230 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 400 | U |
| 218-01-9 | Chrysene | 290 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 320 | U |
| 117-84-0 | Di-n-octylphthalate | 330 | U |
| 205-99-2 | Benzo[b]fluoranthene | 280 | U |
| 207-08-9 | Benzo[k]fluoranthene | 210 | U |
| 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

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.38

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN1807.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 13.66 decanted: (Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000629-96-9 | 1-Eicosanol | 26.35 | 1400 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.25

Sample wt/vol: 10.04 (g/ml) G Lab File ID: BNA00246.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 9.65 decanted:(Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

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 | 290 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 260 | U |
| | 2-Methylphenol | 230 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 280 | 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 | 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 | 170 | U |
| 65-85-0 | Benzoic Acid | 550 | 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 | 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.

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.25

Sample wt/vol: 10.04 (g/ml) G Lab File ID: BNA00246.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 9.65 decanted:(Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

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 | 550 | 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 | 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 | 550 | 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 | 490 | JB |
| 206-44-0 | Fluoranthene | 150 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 170 | 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 | 180 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 310 | U |
| 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 | 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

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.25

Sample wt/vol: 10.04 (g/ml) G Lab File ID: BNA00246.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 9.65 decanted: (Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.24

Sample wt/vol: 10.65 (g/ml) G Lab File ID: BN2078.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 5 decanted:(Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 300 | U |
| 62-75-9 | N-nitroso-dimethylamine | 200 | U |
| 62-53-3 | Aniline | 220 | U |
| 108-95-2 | Phenol | 330 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 210 | U |
| 95-57-8 | 2-Chlorophenol | 190 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 200 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 290 | U |
| 100-51-6 | Benzyl alcohol | 260 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 230 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 260 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | U |
| 67-72-1 | Hexachloroethane | 210 | U |
| 98-95-3 | Nitrobenzene | 260 | U |
| 78-59-1 | Isophorone | 250 | U |
| 88-75-5 | 2-Nitrophenol | 170 | U |
| 105-67-9 | 2,4-Dimethylphenol | 290 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 160 | U |
| 65-85-0 | Benzoic Acid | 990 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 190 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 56 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 190 | U |
| | 2,4,5-Trichlorophenol | 210 | U |
| 91-58-7 | 2-Chloronaphthalene | 170 | U |
| 88-74-4 | 2-Nitroaniline | 160 | U |
| 131-11-3 | Dimethylphthalate | 150 | U |
| 208-96-8 | Acenaphthylene | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.24

Sample wt/vol: 10.65 (g/ml) G Lab File ID: BN2078.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 5 decanted:(Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 170 | U |
| 51-28-5 | 2,4-Dinitrophenol | 990 | U |
| 132-64-9 | Dibenzofuran | 180 | U |
| 100-02-7 | 4-Nitrophenol | 450 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 180 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 990 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 290 | U |
| 85-01-8 | Phenanthrene | 330 | |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 520 | JB |
| 206-44-0 | Fluoranthene | 360 | |
| 92-87-5 | Benzidine | 900 | U |
| 129-00-0 | Pyrene | 580 | |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 190 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 600 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 100 | J |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 130 | J |
| 207-08-9 | Benzo[k]fluoranthene | 190 | |
| 50-32-8 | Benzo[a]pyrene | 220 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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

**FIELD DUP**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.24

Sample wt/vol: 10.65 (g/ml) G Lab File ID: BN2078.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 5 decanted: (Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

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. | | unknown | 6.30 | 1600 | J |
| 2. | 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.73 | 920 | JN |
| 3. | 001599-67-3 | 1-Docosene | 26.17 | 8900 | JN |
| 4. | 006624-79-9 | 1-Dotriacontanol | 27.69 | 1400 | JN |
| 5. | 007098-22-8 | Tetratetracontane | 29.07 | 1200 | JN |
| 6. | 001454-84-8 | 1-Nonadecanol | 29.11 | 1700 | JN |
| 7. | 000544-85-4 | Dotriacontane | 30.58 | 1800 | JN |
| 8. | 000629-96-9 | 1-Eicosanol | 30.68 | 1300 | JN |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

**Field Dup**

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.32

Sample wt/vol: 10.71 (g/ml) G Lab File ID: BNA00521.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 13.12 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

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 | 540 | 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 | 250 | U |
| 99-09-2 | 3-Nitroaniline | 270 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Field Dup**

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.32

Sample wt/vol: 10.71 (g/ml) G Lab File ID: BNA00521.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 13.12 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

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 | 540 | 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 | 540 | 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 | |
| 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 | 300 | U |
| 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

**Field Dup**

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.32

Sample wt/vol: 10.71 (g/ml) G Lab File ID: BNA00521.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 13.12 decanted: (Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

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 | 17.48 | 1800 | J |
| 2. | unknown | 17.62 | 1100 | J |
| 3. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 18.96 | 1800 | JN |
| 4. 007704-34-9 | Sulfur | 20.68 | 1500 | JN |
| 5. 000629-96-9 | 1-Eicosanol | 24.43 | 2000 | JN |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

**Field Dup**

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.24

Sample wt/vol: 10.32 (g/ml) G Lab File ID: BNA00566.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 5.34 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 170 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Field Dup**

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.24

Sample wt/vol: 10.32 (g/ml) G Lab File ID: BNA00566.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 5.34 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 490 | J |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 580 | JB |
| 206-44-0 | Fluoranthene | 620 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 990 | J |
| 85-68-7 | Butylbenzylphthalate | 1000 | U |
| 56-55-3 | Benzo[a]anthracene | 350 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1000 | U |
| 218-01-9 | Chrysene | 850 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1000 | U |
| 117-84-0 | Di-n-octylphthalate | 1000 | U |
| 205-99-2 | Benzo[b]fluoranthene | 380 | J |
| 207-08-9 | Benzo[k]fluoranthene | 400 | J |
| 50-32-8 | Benzo[a]pyrene | 380 | 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**Field Dup**

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.24

Sample wt/vol: 10.32 (g/ml) G Lab File ID: BNA00566.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 5.34 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 18.94 | 830 | JN |
| 2. 012427-38-2 | Maneb | 20.66 | 2300 | JN |
| 3. 000112-92-5 | 1-Octadecanol | 24.41 | 3500 | JN |
| 4. | unknown | 25.94 | 3600 | J |
| 5. 000000-00-0 | 1-Hexacosanal | 26.93 | 2800 | JN |
| 6. 000112-95-8 | Eicosane | 27.34 | 4100 | JN |
| 7. 000638-66-4 | Octadecanal | 28.29 | 1700 | JN |
| 8. 000112-95-8 | Eicosane | 28.64 | 4000 | JN |
| 9. 056554-87-1 | 16-Octadecenal | 29.59 | 3800 | JN |
| 10. 000629-94-7 | Heneicosane | 29.95 | 2500 | JN |
| 11. | unknown | 30.16 | 900 | J |
| 12. 007390-81-0 | Oxirane, hexadecyl- | 31.21 | 2400 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Field Dup**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.38

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BNA00724.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 13.25 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1100 | U |
| 108-95-2 | Phenol | 1100 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1100 | U |
| 100-51-6 | Benzyl alcohol | 1100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1100 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1100 | U |
| | 4-Methylphenol | 1100 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1100 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1100 | U |
| 78-59-1 | Isophorone | 1100 | U |
| 88-75-5 | 2-Nitrophenol | 1100 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1100 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1100 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1100 | U |
| 91-20-3 | Naphthalene | 1100 | U |
| 106-47-8 | 4-Chloroaniline | 1100 | U |
| 87-68-3 | Hexachlorobutadiene | 1100 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1100 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1100 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 1100 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 1100 | U |
| 208-96-8 | Acenaphthylene | 280 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Field Dup**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.38

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BNA00724.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 13.25 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1100 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1100 | U |
| 84-66-2 | Diethylphthalate | 1100 | U |
| 86-73-7 | Fluorene | 1100 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1100 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1100 | U |
| 103-33-3 | Azobenzene | 1100 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1100 | U |
| 118-74-1 | Hexachlorobenzene | 1100 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 2800 | |
| 120-12-7 | Anthracene | 440 | J |
| 84-74-2 | Di-n-butylphthalate | 1100 | U |
| 206-44-0 | Fluoranthene | 2900 | |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 3600 | |
| 85-68-7 | Butylbenzylphthalate | 1100 | U |
| 56-55-3 | Benzo[a]anthracene | 1200 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1100 | U |
| 218-01-9 | Chrysene | 2100 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1100 | U |
| 117-84-0 | Di-n-octylphthalate | 1100 | U |
| 205-99-2 | Benzo[b]fluoranthene | 1100 | J |
| 207-08-9 | Benzo[k]fluoranthene | 1000 | J |
| 50-32-8 | Benzo[a]pyrene | 1100 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 590 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 1100 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 540 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**Field Dup**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.38

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BNA00724.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 13.25 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 11 (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000057-10-3 | Hexadecanoic acid | 19.80 | 1300 | JN |
| 2. 001599-67-3 | 1-Docosene | 24.37 | 2700 | JN |
| 3. 000629-78-7 | Heptadecane | 25.90 | 1500 | JN |
| 4. 000000-00-0 | 1-Hexacosanal | 26.90 | 2700 | JN |
| 5. 000192-97-2 | Benzo[e]pyrene | 27.12 | 1300 | JN |
| 6. 000629-92-5 | Nonadecane | 27.31 | 2000 | JN |
| 7. 007390-81-0 | Oxirane, hexadecyl- | 28.25 | 1400 | JN |
| 8. 000630-06-8 | Hexatriacontane | 28.60 | 2200 | JN |
| 9. 077899-10-6 | (Z)14-Tricosenyl formate | 29.55 | 2200 | JN |
| 10. | unknown | 29.90 | 1400 | J |
| 11. 007390-81-0 | Oxirane, hexadecyl- | 31.15 | 1600 | JN |

# SAMPLES

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-1

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.03

Sample wt/vol: 10.85 (g/ml) G Lab File ID: BN1571.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 9.1 decanted:(Y/N) N Date Extracted: 04/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 250 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-1

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.03

Sample wt/vol: 10.85 (g/ml) G Lab File ID: BN1571.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 9.1 decanted:(Y/N) N Date Extracted: 04/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 160 | J |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 3900 | B |
| 206-44-0 | Fluoranthene | 170 | J |
| 92-87-5 | Benzidine | 920 | U |
| 129-00-0 | Pyrene | 280 | |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 120 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 350 | U |
| 218-01-9 | Chrysene | 230 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 100 | JB |
| 117-84-0 | Di-n-octylphthalate | 290 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 110 | J |
| 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-1

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.03

Sample wt/vol: 10.85 (g/ml) G Lab File ID: BN1571.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 9.1 decanted: (Y/N) N Date Extracted: 04/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

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. 001454-84-8 | 1-Nonadecanol | 26.41 | 4000 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-2

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.07

Sample wt/vol: 10.6 (g/ml) G Lab File ID: BN1512.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 13.3 decanted:(Y/N) N Date Extracted: 04/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1600 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1200 | U |
| 108-95-2 | Phenol | 1800 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1600 | U |
| 100-51-6 | Benzyl alcohol | 1500 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1300 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1400 | U |
| | 4-Methylphenol | 1500 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1300 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1500 | U |
| 78-59-1 | Isophorone | 1400 | U |
| 88-75-5 | 2-Nitrophenol | 910 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1600 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 650 | U |
| 120-83-2 | 2,4-Dichlorophenol | 860 | U |
| 65-85-0 | Benzoic Acid | 5400 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1400 | U |
| 91-20-3 | Naphthalene | 1300 | U |
| 106-47-8 | 4-Chloroaniline | 1600 | 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 | 310 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 960 | U |
| 88-74-4 | 2-Nitroaniline | 900 | U |
| 131-11-3 | Dimethylphthalate | 820 | U |
| 208-96-8 | Acenaphthylene | 1000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1200 | U |
| 99-09-2 | 3-Nitroaniline | 1400 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-2

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.07

Sample wt/vol: 10.6 (g/ml) G Lab File ID: BN1512.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 13.3 decanted:(Y/N) N Date Extracted: 04/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 950 | U |
| 51-28-5 | 2,4-Dinitrophenol | 5400 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 2500 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1100 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1500 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 5400 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1000 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 940 | U |
| 118-74-1 | Hexachlorobenzene | 1400 | U |
| 87-86-5 | Pentachlorophenol | 1600 | U |
| 85-01-8 | Phenanthrene | 1100 | U |
| 120-12-7 | Anthracene | 1100 | U |
| 84-74-2 | Di-n-butylphthalate | 26000 | BD |
| 206-44-0 | Fluoranthene | 1100 | U |
| 92-87-5 | Benzidine | 4900 | U |
| 129-00-0 | Pyrene | 1200 | U |
| 85-68-7 | Butylbenzylphthalate | 1400 | U |
| 56-55-3 | Benzo[a]anthracene | 1100 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1900 | U |
| 218-01-9 | Chrysene | 1400 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 730 | JBD |
| 117-84-0 | Di-n-octylphthalate | 1500 | U |
| 205-99-2 | Benzo[b]fluoranthene | 1300 | U |
| 207-08-9 | Benzo[k]fluoranthene | 990 | U |
| 50-32-8 | Benzo[a]pyrene | 1000 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1100 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 1300 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 1300 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-2

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.07

Sample wt/vol: 10.6 (g/ml) G Lab File ID: BN1512.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 13.3 decanted: (Y/N) N Date Extracted: 04/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000112-92-5 | 1-Octadecanol | 26.39 | 5500 | JND |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-3

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.11

Sample wt/vol: 10.03 (g/ml) G Lab File ID: BN1513.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 11.9 decanted:(Y/N) N Date Extracted: 04/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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-3

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.11

Sample wt/vol: 10.03 (g/ml) G Lab File ID: BN1513.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 11.9 decanted:(Y/N) N Date Extracted: 04/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 220 | U |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 1500 | B |
| 206-44-0 | Fluoranthene | 220 | U |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 260 | U |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 220 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 390 | U |
| 218-01-9 | Chrysene | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 110 | JB |
| 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-3

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.11

Sample wt/vol: 10.03 (g/ml) G Lab File ID: BN1513.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 11.9 decanted: (Y/N) N Date Extracted: 04/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

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 | 6.50 | 1300 | J |
| 2. 000112-92-5 | 1-Octadecanol | 26.39 | 1800 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-4

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.03

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN1540.D

Level: (low/med) LOW Date Received: 04/09/98

% Moisture: 9.15 decanted:(Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 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 | 280 | 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 | 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-4

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.03

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN1540.D

Level: (low/med) LOW Date Received: 04/09/98

% Moisture: 9.15 decanted:(Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 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 | 210 | U |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 2100 | B |
| 206-44-0 | Fluoranthene | 210 | U |
| 92-87-5 | Benzidine | 980 | U |
| 129-00-0 | Pyrene | 250 | 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 | 110 | J |
| 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 | 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-4**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.03

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN1540.D

Level: (low/med) LOW Date Received: 04/09/98

% Moisture: 9.15 decanted: (Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.42 | 3200 | JN |
| 2. | unknown | 6.52 | 920 | J |
| 3. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.96 | 1100 | JN |
| 4. 074685-30-6 | 5-Eicosene, (E)- | 26.40 | 2300 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-5

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.07

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1541.D

Level: (low/med) LOW Date Received: 04/09/98

% Moisture: 10.58 decanted:(Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 250 | U |
| 99-09-2 | 3-Nitroaniline | 280 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-5**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.07

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1541.D

Level: (low/med) LOW Date Received: 04/09/98

% Moisture: 10.58 decanted:(Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 280 | |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 7900 | B |
| 206-44-0 | Fluoranthene | 310 | |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 410 | |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 180 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 218-01-9 | Chrysene | 370 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 310 | U |
| 117-84-0 | Di-n-octylphthalate | 320 | U |
| 205-99-2 | Benzo[b]fluoranthene | 170 | J |
| 207-08-9 | Benzo[k]fluoranthene | 150 | J |
| 50-32-8 | Benzo[a]pyrene | 170 | J |
| 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-5

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.07

Sample wt/vol: 10 (g/ml) G Lab File ID: BN1541.D

Level: (low/med) LOW Date Received: 04/09/98

% Moisture: 10.58 decanted: (Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 3.43 | 21000 | J |
| 2. | unknown | 6.52 | 960 | J |
| 3. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.40 | 3500 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-6

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3742 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.11

Sample wt/vol: 10.31 (g/ml) G Lab File ID: BN1544.D

Level: (low/med) LOW Date Received: 04/09/98

% Moisture: 9.68 decanted:(Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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-6

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3742 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.11

Sample wt/vol: 10.31 (g/ml) G Lab File ID: BN1544.D

Level: (low/med) LOW Date Received: 04/09/98

% Moisture: 9.68 decanted:(Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 15000 | EB |
| 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 | 170 | J |
| 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-6

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3742 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.11

Sample wt/vol: 10.31 (g/ml) G Lab File ID: BN1544.D

Level: (low/med) LOW Date Received: 04/09/98

% Moisture: 9.68 decanted: (Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.42 | 29000 | JN |
| 2. 000629-96-9 | 1-Eicosanol | 26.40 | 3900 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-6

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.11

Sample wt/vol: 10.31 (g/ml) G Lab File ID: BN1602.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 9.68 decanted:(Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/05/98

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 | 500 | JD |
| 62-75-9 | N-nitroso-dimethylamine | 430 | U |
| 62-53-3 | Aniline | 470 | U |
| 108-95-2 | Phenol | 720 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 450 | U |
| 95-57-8 | 2-Chlorophenol | 410 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 440 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 630 | U |
| 100-51-6 | Benzyl alcohol | 570 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 510 | U |
| | 2-Methylphenol | 440 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 540 | U |
| | 4-Methylphenol | 570 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 520 | U |
| 67-72-1 | Hexachloroethane | 450 | U |
| 98-95-3 | Nitrobenzene | 580 | U |
| 78-59-1 | Isophorone | 550 | U |
| 88-75-5 | 2-Nitrophenol | 360 | U |
| 105-67-9 | 2,4-Dimethylphenol | 630 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 260 | U |
| 120-83-2 | 2,4-Dichlorophenol | 340 | U |
| 65-85-0 | Benzoic Acid | 2100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 560 | U |
| 91-20-3 | Naphthalene | 520 | U |
| 106-47-8 | 4-Chloroaniline | 630 | U |
| 87-68-3 | Hexachlorobutadiene | 530 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 420 | U |
| 91-57-6 | 2-Methylnaphthalene | 590 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 120 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 400 | U |
| | 2,4,5-Trichlorophenol | 450 | U |
| 91-58-7 | 2-Chloronaphthalene | 380 | U |
| 88-74-4 | 2-Nitroaniline | 360 | U |
| 131-11-3 | Dimethylphthalate | 320 | U |
| 208-96-8 | Acenaphthylene | 410 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 490 | U |
| 99-09-2 | 3-Nitroaniline | 540 | U |



001234

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-6

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.11

Sample wt/vol: 10.31 (g/ml) G Lab File ID: BN1602.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 9.68 decanted:(Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/05/98

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 | 380 | U |
| 51-28-5 | 2,4-Dinitrophenol | 2100 | U |
| 132-64-9 | Dibenzofuran | 400 | U |
| 100-02-7 | 4-Nitrophenol | 990 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 400 | U |
| 84-66-2 | Diethylphthalate | 440 | U |
| 86-73-7 | Fluorene | 410 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 400 | U |
| 100-01-6 | 4-Nitroaniline | 610 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 2100 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 390 | U |
| 103-33-3 | Azobenzene | 410 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 370 | U |
| 118-74-1 | Hexachlorobenzene | 570 | U |
| 87-86-5 | Pentachlorophenol | 630 | U |
| 85-01-8 | Phenanthrene | 410 | U |
| 120-12-7 | Anthracene | 410 | U |
| 84-74-2 | Di-n-butylphthalate | 14000 | BD |
| 206-44-0 | Fluoranthene | 420 | U |
| 92-87-5 | Benzidine | 1900 | U |
| 129-00-0 | Pyrene | 490 | U |
| 85-68-7 | Butylbenzylphthalate | 540 | U |
| 56-55-3 | Benzo[a]anthracene | 420 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 740 | U |
| 218-01-9 | Chrysene | 540 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 590 | U |
| 117-84-0 | Di-n-octylphthalate | 610 | U |
| 205-99-2 | Benzo[b]fluoranthene | 530 | U |
| 207-08-9 | Benzo[k]fluoranthene | 390 | U |
| 50-32-8 | Benzo[a]pyrene | 400 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 440 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 510 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 510 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-6**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.11 RD

Sample wt/vol: 10.31 (g/ml) G Lab File ID: BN1602.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 9.68 decanted: (Y/N) N Date Extracted: 04/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/05/98

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000112-92-5 | 1-Octadecanol | 26.38 | 2800 | JND |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-7

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3470 Location: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.15

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN1562.D

Level: (low/med) LOW Date Received: 04/09/98

% Moisture: 17.45 decanted:(Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 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-7

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3470 Location: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.15

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN1562.D

Level: (low/med) LOW Date Received: 04/09/98

% Moisture: 17.45 decanted:(Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 1700 | |
| 120-12-7 | Anthracene | 300 | |
| 84-74-2 | Di-n-butylphthalate | 16000 | EB |
| 206-44-0 | Fluoranthene | 2100 | |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 1600 | |
| 85-68-7 | Butylbenzylphthalate | 300 | U |
| 56-55-3 | Benzo[a]anthracene | 990 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 410 | U |
| 218-01-9 | Chrysene | 1500 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 330 | U |
| 117-84-0 | Di-n-octylphthalate | 340 | U |
| 205-99-2 | Benzo[b]fluoranthene | 890 | |
| 207-08-9 | Benzo[k]fluoranthene | 860 | |
| 50-32-8 | Benzo[a]pyrene | 820 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 580 | |
| 53-70-3 | Dibenz[a,h]anthracene | 240 | J |
| 191-24-2 | Benzo[g,h,i]perylene | 480 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-7

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3470 Location: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.15

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN1562.D

Level: (low/med) LOW Date Received: 04/09/98

% Moisture: 17.45 decanted: (Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 002597-49-1 | Cyclobutane, ethenyl- | 3.47 | 40000 | JN |
| 2. 010544-50-0 | Sulfur, mol. (S8) | 23.08 | 1100 | JN |
| 3. 000112-92-5 | 1-Octadecanol | 26.40 | 3600 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-7

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.15

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN1604.D

Level: (low/med) LOW Date Received: 04/09/98

% Moisture: 17.45 decanted:(Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/05/98

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 | 680 | JD |
| 62-75-9 | N-nitroso-dimethylamine | 480 | U |
| 62-53-3 | Aniline | 520 | U |
| 108-95-2 | Phenol | 790 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 500 | U |
| 95-57-8 | 2-Chlorophenol | 460 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 490 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 700 | U |
| 100-51-6 | Benzyl alcohol | 640 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 560 | U |
| | 2-Methylphenol | 490 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 600 | U |
| | 4-Methylphenol | 640 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 580 | U |
| 67-72-1 | Hexachloroethane | 500 | U |
| 98-95-3 | Nitrobenzene | 640 | U |
| 78-59-1 | Isophorone | 610 | U |
| 88-75-5 | 2-Nitrophenol | 400 | U |
| 105-67-9 | 2,4-Dimethylphenol | 700 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 280 | U |
| 120-83-2 | 2,4-Dichlorophenol | 380 | U |
| 65-85-0 | Benzoic Acid | 2400 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 620 | U |
| 91-20-3 | Naphthalene | 580 | U |
| 106-47-8 | 4-Chloroaniline | 700 | U |
| 87-68-3 | Hexachlorobutadiene | 590 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 460 | U |
| 91-57-6 | 2-Methylnaphthalene | 650 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 140 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 450 | U |
| | 2,4,5-Trichlorophenol | 500 | U |
| 91-58-7 | 2-Chloronaphthalene | 420 | U |
| 88-74-4 | 2-Nitroaniline | 400 | U |
| 131-11-3 | Dimethylphthalate | 360 | U |
| 208-96-8 | Acenaphthylene | 460 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 540 | U |
| 99-09-2 | 3-Nitroaniline | 600 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-7

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.15

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN1604.D

Level: (low/med) LOW Date Received: 04/09/98

% Moisture: 17.45 decanted:(Y/N) N Date Extracted: 04/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/05/98

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 | 420 | U |
| 51-28-5 | 2,4-Dinitrophenol | 2400 | U |
| 132-64-9 | Dibenzofuran | 440 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 440 | U |
| 84-66-2 | Diethylphthalate | 480 | U |
| 86-73-7 | Fluorene | 460 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 450 | U |
| 100-01-6 | 4-Nitroaniline | 670 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 2400 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 440 | U |
| 103-33-3 | Azobenzene | 460 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 410 | U |
| 118-74-1 | Hexachlorobenzene | 630 | U |
| 87-86-5 | Pentachlorophenol | 700 | U |
| 85-01-8 | Phenanthrene | 1500 | D |
| 120-12-7 | Anthracene | 460 | U |
| 84-74-2 | Di-n-butylphthalate | 16000 | BD |
| 206-44-0 | Fluoranthene | 1800 | D |
| 92-87-5 | Benzidine | 2200 | U |
| 129-00-0 | Pyrene | 1400 | D |
| 85-68-7 | Butylbenzylphthalate | 600 | U |
| 56-55-3 | Benzo[a]anthracene | 850 | D |
| 91-94-1 | 3,3'-Dichlorobenzidine | 820 | U |
| 218-01-9 | Chrysene | 1300 | D |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 660 | U |
| 117-84-0 | Di-n-octylphthalate | 670 | U |
| 205-99-2 | Benzo[b]fluoranthene | 790 | D |
| 207-08-9 | Benzo[k]fluoranthene | 690 | D |
| 50-32-8 | Benzo[a]pyrene | 720 | D |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 500 | D |
| 53-70-3 | Dibenz[a,h]anthracene | 570 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 420 | JD |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-7

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.15 RD

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN1604.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 17.45 decanted: (Y/N) N Date Extracted: 04/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/05/98

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000629-96-9 | 1-Eicosanol | 26.38 | 2600 | JND |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-8

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3472 Location: 98-021 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.03

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BN1518.D

Level: (low/med) LOW Date Received: 04/10/98

% Moisture: 23.4 decanted:(Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 380 | U |
| 62-75-9 | N-nitroso-dimethylamine | 260 | U |
| 62-53-3 | Aniline | 280 | U |
| 108-95-2 | Phenol | 430 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 270 | U |
| 95-57-8 | 2-Chlorophenol | 250 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 270 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 380 | U |
| 100-51-6 | Benzyl alcohol | 340 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 300 | U |
| | 2-Methylphenol | 260 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 320 | U |
| | 4-Methylphenol | 340 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 310 | U |
| 67-72-1 | Hexachloroethane | 270 | U |
| 98-95-3 | Nitrobenzene | 340 | U |
| 78-59-1 | Isophorone | 330 | U |
| 88-75-5 | 2-Nitrophenol | 220 | U |
| 105-67-9 | 2,4-Dimethylphenol | 380 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 150 | U |
| 120-83-2 | 2,4-Dichlorophenol | 200 | U |
| 65-85-0 | Benzoic Acid | 1300 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 340 | U |
| 91-20-3 | Naphthalene | 310 | U |
| 106-47-8 | 4-Chloroaniline | 380 | U |
| 87-68-3 | Hexachlorobutadiene | 320 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 250 | U |
| 91-57-6 | 2-Methylnaphthalene | 350 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 73 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 240 | U |
| | 2,4,5-Trichlorophenol | 270 | U |
| 91-58-7 | 2-Chloronaphthalene | 230 | U |
| 88-74-4 | 2-Nitroaniline | 210 | U |
| 131-11-3 | Dimethylphthalate | 190 | U |
| 208-96-8 | Acenaphthylene | 250 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 290 | U |
| 99-09-2 | 3-Nitroaniline | 320 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-8

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3472 Location: 98-021 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.03

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BN1518.D

Level: (low/med) LOW Date Received: 04/10/98

% Moisture: 23.4 decanted:(Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 220 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1300 | U |
| 132-64-9 | Dibenzofuran | 240 | U |
| 100-02-7 | 4-Nitrophenol | 590 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 240 | U |
| 84-66-2 | Diethylphthalate | 260 | U |
| 86-73-7 | Fluorene | 250 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 240 | U |
| 100-01-6 | 4-Nitroaniline | 360 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1300 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 240 | U |
| 103-33-3 | Azobenzene | 250 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 220 | U |
| 118-74-1 | Hexachlorobenzene | 340 | U |
| 87-86-5 | Pentachlorophenol | 380 | U |
| 85-01-8 | Phenanthrene | 150 | J |
| 120-12-7 | Anthracene | 250 | U |
| 84-74-2 | Di-n-butylphthalate | 2000 | B |
| 206-44-0 | Fluoranthene | 250 | U |
| 92-87-5 | Benzidine | 1200 | U |
| 129-00-0 | Pyrene | 150 | J |
| 85-68-7 | Butylbenzylphthalate | 320 | U |
| 56-55-3 | Benzo[a]anthracene | 360 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 440 | U |
| 218-01-9 | Chrysene | 490 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 150 | JB |
| 117-84-0 | Di-n-octylphthalate | 360 | U |
| 205-99-2 | Benzo[b]fluoranthene | 160 | J |
| 207-08-9 | Benzo[k]fluoranthene | 230 | U |
| 50-32-8 | Benzo[a]pyrene | 140 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 260 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 310 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 310 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-8

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3472 Location: 98-021 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.03

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BN1518.D

Level: (low/med) LOW Date Received: 04/10/98

% Moisture: 23.4 decanted: (Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

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. 000110-83-8 | Cyclohexene | 3.50 | 38000 | JN |
| 2. 000057-10-3 | Hexadecanoic acid | 21.79 | 1400 | JN |
| 3. 000629-96-9 | 1-Eicosanol | 26.40 | 7600 | JN |
| 4. 001454-84-8 | 1-Nonadecanol | 30.98 | 1400 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-9

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.07

Sample wt/vol: 10.12 (g/ml) G Lab File ID: BN1521.D

Level: (low/med) LOW Date Received: 04/10/98

% Moisture: 19.47 decanted:(Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 230 | 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 | 310 | 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 | 140 | J |
| 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-9

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.07

Sample wt/vol: 10.12 (g/ml) G Lab File ID: BN1521.D

Level: (low/med) LOW Date Received: 04/10/98

% Moisture: 19.47 decanted:(Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 350 | 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 | 680 | |
| 120-12-7 | Anthracene | 240 | U |
| 84-74-2 | Di-n-butylphthalate | 5200 | B |
| 206-44-0 | Fluoranthene | 1100 | |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 880 | |
| 85-68-7 | Butylbenzylphthalate | 310 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 420 | U |
| 218-01-9 | Chrysene | 280 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 340 | U |
| 117-84-0 | Di-n-octylphthalate | 350 | U |
| 205-99-2 | Benzo[b]fluoranthene | 600 | |
| 207-08-9 | Benzo[k]fluoranthene | 690 | |
| 50-32-8 | Benzo[a]pyrene | 570 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 390 | |
| 53-70-3 | Dibenz[a,h]anthracene | 290 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 310 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-9

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.07

Sample wt/vol: 10.12 (g/ml) G Lab File ID: BN1521.D

Level: (low/med) LOW Date Received: 04/10/98

% Moisture: 19.47 decanted: (Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 25 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000110-83-8 | Cyclohexene | 3.48 | 29000 | JN |
| 2. | unknown | 22.01 | 4400 | J |
| 3. | unknown | 22.10 | 8200 | J |
| 4. | unknown | 22.19 | 5300 | J |
| 5. 000629-70-9 | 1-Hexadecanol, acetate | 22.26 | 2800 | JN |
| 6. | unknown | 22.36 | 6900 | J |
| 7. 002050-24-0 | Benzene, 1,3-diethyl-5-methyl- | 22.40 | 5800 | JN |
| 8. | unknown | 22.50 | 7200 | J |
| 9. | unknown | 22.68 | 6400 | J |
| 10. | unknown | 22.98 | 3900 | J |
| 11. | unknown | 23.02 | 3000 | J |
| 12. | unknown | 23.28 | 4000 | J |
| 13. | unknown | 24.12 | 2800 | J |
| 14. | unknown | 25.30 | 4000 | J |
| 15. 001740-19-8 | 1-Phenanthrenecarboxylic acid, 1 | 25.52 | 4900 | JN |
| 16. 000629-78-7 | Heptadecane | 28.66 | 9700 | JN |
| 17. 000629-94-7 | Heneicosane | 29.34 | 9200 | JN |
| 18. 000112-95-8 | Eicosane | 30.09 | 8400 | JN |
| 19. 000629-92-5 | Nonadecane | 30.92 | 8200 | JN |
| 20. | unknown | 31.28 | 3000 | J |
| 21. | unknown | 31.77 | 3200 | J |
| 22. 014167-59-0 | Tetratriacontane | 31.89 | 5900 | JN |
| 23. | unknown | 32.22 | 3400 | J |
| 24. 000630-06-8 | Hexatriacontane | 33.02 | 5300 | JN |
| 25. 000630-06-8 | Hexatriacontane | 34.37 | 4700 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-10**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.11

Sample wt/vol: 10.88 (g/ml) G Lab File ID: BN1575.D

Level: (low/med) LOW Date Received: 04/10/98

% Moisture: 16.32 decanted:(Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 770 | |
| 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 | 290 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 260 | U |
| | 2-Methylphenol | 230 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 280 | 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 | 130 | J |
| 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 | 150 | J |
| 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 | 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 | 280 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-10

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.11

Sample wt/vol: 10.88 (g/ml) G Lab File ID: BN1575.D

Level: (low/med) LOW Date Received: 04/10/98

% Moisture: 16.32 decanted:(Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 410 | |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 640 | JB |
| 206-44-0 | Fluoranthene | 300 | |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 440 | |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 180 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 218-01-9 | Chrysene | 410 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 180 | JB |
| 117-84-0 | Di-n-octylphthalate | 310 | U |
| 205-99-2 | Benzo[b]fluoranthene | 150 | J |
| 207-08-9 | Benzo[k]fluoranthene | 150 | J |
| 50-32-8 | Benzo[a]pyrene | 140 | 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-10**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.11

Sample wt/vol: 10.88 (g/ml) G Lab File ID: BN1575.D

Level: (low/med) LOW Date Received: 04/10/98

% Moisture: 16.32 decanted: (Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.97 | 1200 | JN |
| 2. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.40 | 7300 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-11**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.03

Sample wt/vol: 10.53 (g/ml) G Lab File ID: BN1523.D

Level: (low/med) LOW Date Received: 04/11/98

% Moisture: 13.1 decanted:(Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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-11

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.03

Sample wt/vol: 10.53 (g/ml) G Lab File ID: BN1523.D

Level: (low/med) LOW Date Received: 04/11/98

% Moisture: 13.1 decanted:(Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 210 | U |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 900 | JB |
| 206-44-0 | Fluoranthene | 210 | U |
| 92-87-5 | Benzidine | 990 | U |
| 129-00-0 | Pyrene | 250 | U |
| 85-68-7 | Butylbenzylphthalate | 270 | U |
| 56-55-3 | Benzo[a]anthracene | 210 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 218-01-9 | Chrysene | 270 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 180 | JB |
| 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 | 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-11

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.03

Sample wt/vol: 10.53 (g/ml) G Lab File ID: BN1523.D

Level: (low/med) LOW Date Received: 04/11/98

% Moisture: 13.1 decanted: (Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

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. 000110-83-8 | Cyclohexene | 3.51 | 53000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.96 | 1800 | JN |
| 3. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.40 | 6300 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-12**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.07

Sample wt/vol: 10.19 (g/ml) G Lab File ID: BN1524.D

Level: (low/med) LOW Date Received: 04/11/98

% Moisture: 14.3 decanted:(Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 310 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 270 | U |
| | 2-Methylphenol | 230 | 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 | 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 | 340 | U |
| 87-68-3 | Hexachlorobutadiene | 290 | 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 | 220 | 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-12

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.07

Sample wt/vol: 10.19 (g/ml) G Lab File ID: BN1524.D

Level: (low/med) LOW Date Received: 04/11/98

% Moisture: 14.3 decanted:(Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 200 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 210 | U |
| 100-02-7 | 4-Nitrophenol | 530 | 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 | 220 | 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 | 780 | 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 | 290 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 180 | JB |
| 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-12**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.07

Sample wt/vol: 10.19 (g/ml) G Lab File ID: BN1524.D

Level: (low/med) LOW Date Received: 04/11/98

% Moisture: 14.3 decanted: (Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

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. 000110-83-8 | Cyclohexene | 3.49 | 47000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.96 | 1500 | JN |
| 3. 000112-92-5 | 1-Octadecanol | 26.40 | 7600 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-13

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.11

Sample wt/vol: 10.75 (g/ml) G Lab File ID: BN1525.D

Level: (low/med) LOW Date Received: 04/11/98

% Moisture: 11.48 decanted:(Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 310 | 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 | 260 | 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 | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 290 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 60 | 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 | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-13**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.11

Sample wt/vol: 10.75 (g/ml) G Lab File ID: BN1525.D

Level: (low/med) LOW Date Received: 04/11/98

% Moisture: 11.48 decanted:(Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 180 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 200 | U |
| 100-02-7 | 4-Nitrophenol | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 200 | U |
| 84-66-2 | Diethylphthalate | 210 | 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 | 300 | |
| 120-12-7 | Anthracene | 290 | |
| 84-74-2 | Di-n-butylphthalate | 300 | JB |
| 206-44-0 | Fluoranthene | 260 | |
| 92-87-5 | Benzidine | 950 | U |
| 129-00-0 | Pyrene | 450 | |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 180 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 350 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 160 | 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 | 150 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 210 | 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-13**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.11

Sample wt/vol: 10.75 (g/ml) G Lab File ID: BN1525.D

Level: (low/med) LOW Date Received: 04/11/98

% Moisture: 11.48 decanted: (Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/28/98

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. 000110-83-8 | Cyclohexene | 3.50 | 34000 | JN |
| 2. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.40 | 5300 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-14

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.15

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BN1561.D

Level: (low/med) LOW Date Received: 04/11/98

% Moisture: 12.74 decanted:(Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 64 | 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-14**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.15

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BN1561.D

Level: (low/med) LOW Date Received: 04/11/98

% Moisture: 12.74 decanted:(Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 220 | U |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 330 | 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 | 390 | U |
| 218-01-9 | Chrysene | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 170 | JB |
| 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-14

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.15

Sample wt/vol: 10.16 (g/ml) G Lab File ID: BN1561.D

Level: (low/med) LOW Date Received: 04/11/98

% Moisture: 12.74 decanted: (Y/N) N Date Extracted: 04/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

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. 000110-83-8 | Cyclohexene | 3.46 | 44000 | JN |
| 2. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.41 | 7500 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-15

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.19

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN1603.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 13.27 decanted:(Y/N) N Date Extracted: 04/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/05/98

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 780 | JD |
| 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 | 1400 | 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 | 960 | 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 | 1600 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 330 | 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 | 950 | 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-15

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.19

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN1603.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 13.27 decanted:(Y/N) N Date Extracted: 04/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/05/98

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1000 | U |
| 51-28-5 | 2,4-Dinitrophenol | 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 | 990 | 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 | 27000 | BD |
| 206-44-0 | Fluoranthene | 1100 | U |
| 92-87-5 | Benzidine | 5200 | U |
| 129-00-0 | Pyrene | 1300 | U |
| 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 | 1400 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1600 | U |
| 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 | 1100 | U |
| 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-15

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.19

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN1603.D

Level: (low/med) LOW Date Received: 04/08/98

% Moisture: 13.27 decanted: (Y/N) N Date Extracted: 04/09/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/05/98

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

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-16

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.03

Sample wt/vol: 10.44 (g/ml) G Lab File ID: BN1530.D

Level: (low/med) LOW Date Received: 04/13/98

% Moisture: 12.55 decanted:(Y/N) N Date Extracted: 04/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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-16**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.03

Sample wt/vol: 10.44 (g/ml) G Lab File ID: BN1530.D

Level: (low/med) LOW Date Received: 04/13/98

% Moisture: 12.55 decanted:(Y/N) N Date Extracted: 04/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 200 | J |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 820 | JB |
| 206-44-0 | Fluoranthene | 430 | |
| 92-87-5 | Benzidine | 990 | U |
| 129-00-0 | Pyrene | 420 | |
| 85-68-7 | Butylbenzylphthalate | 270 | U |
| 56-55-3 | Benzo[a]anthracene | 270 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 218-01-9 | Chrysene | 460 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 180 | JB |
| 117-84-0 | Di-n-octylphthalate | 310 | U |
| 205-99-2 | Benzo[b]fluoranthene | 270 | |
| 207-08-9 | Benzo[k]fluoranthene | 260 | |
| 50-32-8 | Benzo[a]pyrene | 270 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 260 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 180 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-16**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.03

Sample wt/vol: 10.44 (g/ml) G Lab File ID: BN1530.D

Level: (low/med) LOW Date Received: 04/13/98

% Moisture: 12.55 decanted: (Y/N) N Date Extracted: 04/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.47 | 29000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.97 | 1500 | JN |
| 3. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.40 | 6200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-17

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.07

Sample wt/vol: 10.66 (g/ml) G Lab File ID: BN1531.D

Level: (low/med) LOW Date Received: 04/13/98

% Moisture: 15.2 decanted:(Y/N) N Date Extracted: 04/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 170 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 290 | U |
| 91-20-3 | Naphthalene | 300 | |
| 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 | 520 | |
| 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-17

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.07

Sample wt/vol: 10.66 (g/ml) G Lab File ID: BN1531.D

Level: (low/med) LOW Date Received: 04/13/98

% Moisture: 15.2 decanted:(Y/N) N Date Extracted: 04/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 160 | J |
| 100-02-7 | 4-Nitrophenol | 510 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 210 | 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 | 330 | U |
| 85-01-8 | Phenanthrene | 310 | |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 1000 | B |
| 206-44-0 | Fluoranthene | 210 | 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 | 250 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 250 | JB |
| 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-17

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.07

Sample wt/vol: 10.66 (g/ml) G Lab File ID: BN1531.D

Level: (low/med) LOW Date Received: 04/13/98

% Moisture: 15.2 decanted: (Y/N) N Date Extracted: 04/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.46 | 26000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.97 | 1900 | JN |
| 3. 010544-50-0 | Sulfur, mol. (S8) | 23.07 | 1300 | JN |
| 4. 000629-78-7 | Heptadecane | 23.95 | 1000 | JN |
| 5. 000629-94-7 | Heneicosane | 24.81 | 950 | JN |
| 6. 001454-85-9 | 1-Heptadecanol | 26.40 | 7600 | JN |
| 7. | unknown | 32.01 | 1200 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-18**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.11

Sample wt/vol: 10.83 (g/ml) G Lab File ID: BN1532.D

Level: (low/med) LOW Date Received: 04/13/98

% Moisture: 17.78 decanted:(Y/N) N Date Extracted: 04/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 220 | U |
| 62-53-3 | Aniline | 240 | U |
| 108-95-2 | Phenol | 370 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 240 | 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 | 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 | 270 | 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 | 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 | 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-18

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.11

Sample wt/vol: 10.83 (g/ml) G Lab File ID: BN1532.D

Level: (low/med) LOW Date Received: 04/13/98

% Moisture: 17.78 decanted:(Y/N) N Date Extracted: 04/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 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 | 210 | 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 | 220 | U |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 590 | JB |
| 206-44-0 | Fluoranthene | 180 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 220 | J |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 250 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 390 | U |
| 218-01-9 | Chrysene | 410 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 190 | JB |
| 117-84-0 | Di-n-octylphthalate | 320 | U |
| 205-99-2 | Benzo[b]fluoranthene | 410 | |
| 207-08-9 | Benzo[k]fluoranthene | 310 | |
| 50-32-8 | Benzo[a]pyrene | 350 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 270 | |
| 53-70-3 | Dibenz[a,h]anthracene | 270 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 220 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-18**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.11

Sample wt/vol: 10.83 (g/ml) G Lab File ID: BN1532.D

Level: (low/med) LOW Date Received: 04/13/98

% Moisture: 17.78 decanted: (Y/N) N Date Extracted: 04/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.45 | 35000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.96 | 1000 | JN |
| 3. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.40 | 7300 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-19**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.15

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN1533.D

Level: (low/med) LOW Date Received: 04/13/98

% Moisture: 11.51 decanted:(Y/N) N Date Extracted: 04/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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-19

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.15

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN1533.D

Level: (low/med) LOW Date Received: 04/13/98

% Moisture: 11.51 decanted:(Y/N) N Date Extracted: 04/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 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 | 560 | |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 660 | JB |
| 206-44-0 | Fluoranthene | 340 | |
| 92-87-5 | Benzidine | 980 | U |
| 129-00-0 | Pyrene | 680 | |
| 85-68-7 | Butylbenzylphthalate | 270 | U |
| 56-55-3 | Benzo[a]anthracene | 240 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 370 | U |
| 218-01-9 | Chrysene | 440 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 180 | JB |
| 117-84-0 | Di-n-octylphthalate | 310 | U |
| 205-99-2 | Benzo[b]fluoranthene | 140 | J |
| 207-08-9 | Benzo[k]fluoranthene | 150 | J |
| 50-32-8 | Benzo[a]pyrene | 170 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 110 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 260 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 120 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-19

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.15

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN1533.D

Level: (low/med) LOW Date Received: 04/13/98

% Moisture: 11.51 decanted: (Y/N) N Date Extracted: 04/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 3.44 | 26000 | J |
| 2. | 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.96 | 1300 | JN |
| 3. | 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.40 | 6500 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-20

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.03

Sample wt/vol: 10.72 (g/ml) G Lab File ID: BN1552.D

Level: (low/med) LOW Date Received: 04/14/98

% Moisture: 23.17 decanted:(Y/N) N Date Extracted: 04/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 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 | 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-20**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.03

Sample wt/vol: 10.72 (g/ml) G Lab File ID: BN1552.D

Level: (low/med) LOW Date Received: 04/14/98

% Moisture: 23.17 decanted:(Y/N) N Date Extracted: 04/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 740 | JB |
| 206-44-0 | Fluoranthene | 240 | U |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 270 | U |
| 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 | 300 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 400 | |
| 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-20

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.03

Sample wt/vol: 10.72 (g/ml) G Lab File ID: BN1552.D

Level: (low/med) LOW Date Received: 04/14/98

% Moisture: 23.17 decanted: (Y/N) N Date Extracted: 04/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.44 | 22000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.97 | 1500 | JN |
| 3. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.41 | 9500 | JN |
| 4. 000502-62-5 | .Psi.,.psi.-Carotene, 7,7',8,8',11,1 | 28.91 | 1400 | JN |
| 5. 001454-84-8 | 1-Nonadecanol | 31.00 | 1400 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-21

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.07

Sample wt/vol: 10.74 (g/ml) G Lab File ID: BN1553.D

Level: (low/med) LOW Date Received: 04/14/98

% Moisture: 11.93 decanted:(Y/N) N Date Extracted: 04/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 60 | 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-21

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.07

Sample wt/vol: 10.74 (g/ml) G Lab File ID: BN1553.D

Level: (low/med) LOW Date Received: 04/14/98

% Moisture: 11.93 decanted:(Y/N) N Date Extracted: 04/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 210 | 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 | 200 | U |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 750 | 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 | 360 | U |
| 218-01-9 | Chrysene | 270 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 190 | J |
| 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-21

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.07

Sample wt/vol: 10.74 (g/ml) G Lab File ID: BN1553.D

Level: (low/med) LOW Date Received: 04/14/98

% Moisture: 11.93 decanted: (Y/N) N Date Extracted: 04/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.41 | 8600 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.97 | 1400 | JN |
| 3. 000112-92-5 | 1-Octadecanol | 26.41 | 7700 | JN |
| 4. 000629-96-9 | 1-Eicosanol | 30.99 | 1200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-22

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.11

Sample wt/vol: 10.81 (g/ml) G Lab File ID: BN1554.D

Level: (low/med) LOW Date Received: 04/14/98

% Moisture: 8.11 decanted:(Y/N) N Date Extracted: 04/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 290 | 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 | 250 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 250 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-22

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.11

Sample wt/vol: 10.81 (g/ml) G Lab File ID: BN1554.D

Level: (low/med) LOW Date Received: 04/14/98

% Moisture: 8.11 decanted:(Y/N) N Date Extracted: 04/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 270 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 140 | J |
| 120-12-7 | Anthracene | 140 | J |
| 84-74-2 | Di-n-butylphthalate | 520 | JB |
| 206-44-0 | Fluoranthene | 150 | J |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 220 | J |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 350 | U |
| 218-01-9 | Chrysene | 190 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 640 | |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | 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-22**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.11

Sample wt/vol: 10.81 (g/ml) G Lab File ID: BN1554.D

Level: (low/med) LOW Date Received: 04/14/98

% Moisture: 8.11 decanted: (Y/N) N Date Extracted: 04/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.38 | 1300 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.96 | 1000 | JN |
| 3. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.40 | 6500 | JN |
| 4. 006971-40-0 | 17-Pentatriacontene | 31.00 | 1100 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-23

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.03

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN1546.D

Level: (low/med) LOW Date Received: 04/15/98

% Moisture: 13.81 decanted:(Y/N) N Date Extracted: 04/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 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 | 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-23

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.03

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN1546.D

Level: (low/med) LOW Date Received: 04/15/98

% Moisture: 13.81 decanted:(Y/N) N Date Extracted: 04/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 11000 | B |
| 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 | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 130 | JB |
| 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 | 270 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 270 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-23**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.03

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN1546.D

Level: (low/med) LOW Date Received: 04/15/98

% Moisture: 13.81 decanted: (Y/N) N Date Extracted: 04/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.45 | 52000 | JN |
| 2. 000112-92-5 | 1-Octadecanol | 26.40 | 5400 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-24

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.07

Sample wt/vol: 10.95 (g/ml) G Lab File ID: BN1547.D

Level: (low/med) LOW Date Received: 04/15/98

% Moisture: 12.41 decanted:(Y/N) N Date Extracted: 04/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 310 | 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 | 300 | U |
| 100-51-6 | Benzyl alcohol | 280 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 250 | U |
| | 2-Methylphenol | 210 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 260 | U |
| | 4-Methylphenol | 280 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 250 | 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 | 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 | 310 | U |
| 87-68-3 | Hexachlorobutadiene | 260 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 280 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 59 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 200 | U |
| | 2,4,5-Trichlorophenol | 220 | U |
| 91-58-7 | 2-Chloronaphthalene | 180 | U |
| 88-74-4 | 2-Nitroaniline | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-24

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.07

Sample wt/vol: 10.95 (g/ml) G Lab File ID: BN1547.D

Level: (low/med) LOW Date Received: 04/15/98

% Moisture: 12.41 decanted:(Y/N) N Date Extracted: 04/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 210 | U |
| 86-73-7 | Fluorene | 200 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 200 | 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 | 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 | 200 | U |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 1100 | B |
| 206-44-0 | Fluoranthene | 200 | U |
| 92-87-5 | Benzidine | 940 | U |
| 129-00-0 | Pyrene | 240 | U |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 260 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 510 | B |
| 117-84-0 | Di-n-octylphthalate | 290 | U |
| 205-99-2 | Benzo[b]fluoranthene | 260 | 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 | 250 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 250 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-24**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.07

Sample wt/vol: 10.95 (g/ml) G Lab File ID: BN1547.D

Level: (low/med) LOW Date Received: 04/15/98

% Moisture: 12.41 decanted: (Y/N) N Date Extracted: 04/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.46 | 43000 | JN |
| 2. 018435-45-5 | 1-Nonadecene | 26.40 | 4900 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-25

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.11

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN1548.D

Level: (low/med) LOW Date Received: 04/15/98

% Moisture: 12.1 decanted:(Y/N) N Date Extracted: 04/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 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 | 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-25

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.11

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN1548.D

Level: (low/med) LOW Date Received: 04/15/98

% Moisture: 12.1 decanted:(Y/N) N Date Extracted: 04/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 190 | J |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 5700 | B |
| 206-44-0 | Fluoranthene | 330 | |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 310 | |
| 85-68-7 | Butylbenzylphthalate | 290 | U |
| 56-55-3 | Benzo[a]anthracene | 250 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 390 | U |
| 218-01-9 | Chrysene | 410 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 230 | JB |
| 117-84-0 | Di-n-octylphthalate | 320 | U |
| 205-99-2 | Benzo[b]fluoranthene | 290 | |
| 207-08-9 | Benzo[k]fluoranthene | 260 | |
| 50-32-8 | Benzo[a]pyrene | 250 | |
| 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 | 170 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-25

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.11

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN1548.D

Level: (low/med) LOW Date Received: 04/15/98

% Moisture: 12.1 decanted: (Y/N) N Date Extracted: 04/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.49 | 50000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.97 | 1000 | JN |
| 3. 000112-92-5 | 1-Octadecanol | 26.40 | 5800 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-26

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.15

Sample wt/vol: 10.72 (g/ml) G Lab File ID: BN1549.D

Level: (low/med) LOW Date Received: 04/15/98

% Moisture: 18.08 decanted:(Y/N) N Date Extracted: 04/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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-26**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.15

Sample wt/vol: 10.72 (g/ml) G Lab File ID: BN1549.D

Level: (low/med) LOW Date Received: 04/15/98

% Moisture: 18.08 decanted:(Y/N) N Date Extracted: 04/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 390 | |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 4600 | B |
| 206-44-0 | Fluoranthene | 910 | |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 770 | |
| 85-68-7 | Butylbenzylphthalate | 120 | J |
| 56-55-3 | Benzo[a]anthracene | 540 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 390 | U |
| 218-01-9 | Chrysene | 830 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1300 | B |
| 117-84-0 | Di-n-octylphthalate | 320 | U |
| 205-99-2 | Benzo[b]fluoranthene | 690 | |
| 207-08-9 | Benzo[k]fluoranthene | 560 | |
| 50-32-8 | Benzo[a]pyrene | 670 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 580 | |
| 53-70-3 | Dibenz[a,h]anthracene | 270 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 510 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-26

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.15

Sample wt/vol: 10.72 (g/ml) G Lab File ID: BN1549.D

Level: (low/med) LOW Date Received: 04/15/98

% Moisture: 18.08 decanted: (Y/N) N Date Extracted: 04/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.45 | 32000 | JN |
| 2. 010544-50-0 | Sulfur, mol. (S8) | 23.08 | 1400 | JN |
| 3. 000629-78-7 | Heptadecane | 23.96 | 940 | JN |
| 4. 000630-06-8 | Hexatriacontane | 24.81 | 1100 | JN |
| 5. 000629-96-9 | 1-Eicosanol | 26.41 | 3800 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-27

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.03

Sample wt/vol: 10.04 (g/ml) G Lab File ID: BN1534.D

Level: (low/med) LOW Date Received: 04/20/98

% Moisture: 17.23 decanted:(Y/N) N Date Extracted: 04/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 250 | 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 | 320 | U |
| 91-20-3 | Naphthalene | 170 | J |
| 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 | 210 | J |
| 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 | 270 | U |
| 99-09-2 | 3-Nitroaniline | 300 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-27

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.03

Sample wt/vol: 10.04 (g/ml) G Lab File ID: BN1534.D

Level: (low/med) LOW Date Received: 04/20/98

% Moisture: 17.23 decanted:(Y/N) N Date Extracted: 04/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 200 | JB |
| 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 | 350 | U |
| 85-01-8 | Phenanthrene | 1300 | |
| 120-12-7 | Anthracene | 210 | J |
| 84-74-2 | Di-n-butylphthalate | 6600 | B |
| 206-44-0 | Fluoranthene | 2800 | |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 2500 | |
| 85-68-7 | Butylbenzylphthalate | 300 | U |
| 56-55-3 | Benzo[a]anthracene | 1500 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 410 | U |
| 218-01-9 | Chrysene | 2300 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 290 | JB |
| 117-84-0 | Di-n-octylphthalate | 340 | U |
| 205-99-2 | Benzo[b]fluoranthene | 1600 | |
| 207-08-9 | Benzo[k]fluoranthene | 1400 | |
| 50-32-8 | Benzo[a]pyrene | 1600 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1200 | |
| 53-70-3 | Dibenz[a,h]anthracene | 420 | |
| 191-24-2 | Benzo[g,h,i]perylene | 950 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-27**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.03

Sample wt/vol: 10.04 (g/ml) G Lab File ID: BN1534.D

Level: (low/med) LOW Date Received: 04/20/98

% Moisture: 17.23 decanted: (Y/N) N Date Extracted: 04/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.48 | 41000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.97 | 1600 | JN |
| 3. 000629-78-7 | Heptadecane | 23.96 | 1000 | JN |
| 4. 000238-84-6 | 11H-Benzo[a]fluorene | 24.51 | 1200 | JN |
| 5. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.40 | 4000 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-28

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.07

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN1535.D

Level: (low/med) LOW Date Received: 04/20/98

% Moisture: 10.44 decanted:(Y/N) N Date Extracted: 04/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 130 | J |
| 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 | 160 | J |
| 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 | 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-28**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.07

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN1535.D

Level: (low/med) LOW Date Received: 04/20/98

% Moisture: 10.44 decanted:(Y/N) N Date Extracted: 04/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 480 | |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 890 | JB |
| 206-44-0 | Fluoranthene | 380 | |
| 92-87-5 | Benzidine | 990 | U |
| 129-00-0 | Pyrene | 600 | |
| 85-68-7 | Butylbenzylphthalate | 270 | U |
| 56-55-3 | Benzo[a]anthracene | 230 | |
| 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 | 310 | U |
| 205-99-2 | Benzo[b]fluoranthene | 190 | J |
| 207-08-9 | Benzo[k]fluoranthene | 190 | J |
| 50-32-8 | Benzo[a]pyrene | 220 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 150 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 260 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 160 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-28**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.07

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN1535.D

Level: (low/med) LOW Date Received: 04/20/98

% Moisture: 10.44 decanted: (Y/N) N Date Extracted: 04/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.42 | 25000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.97 | 1500 | JN |
| 3. 000629-96-9 | 1-Eicosanol | 26.40 | 6000 | JN |
| 4. 000629-92-5 | Nonadecane | 29.31 | 1000 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-29

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.11

Sample wt/vol: 10.44 (g/ml) G Lab File ID: BN1536.D

Level: (low/med) LOW Date Received: 04/20/98

% Moisture: 10.44 decanted:(Y/N) N Date Extracted: 04/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 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 | 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 | 220 | 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 | 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 | 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-29**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.11

Sample wt/vol: 10.44 (g/ml) G Lab File ID: BN1536.D

Level: (low/med) LOW Date Received: 04/20/98

% Moisture: 10.44 decanted:(Y/N) N Date Extracted: 04/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 120 | JB |
| 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 | 200 | U |
| 103-33-3 | Azobenzene | 200 | 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 | 150 | J |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 1600 | B |
| 206-44-0 | Fluoranthene | 140 | J |
| 92-87-5 | Benzidine | 970 | U |
| 129-00-0 | Pyrene | 240 | 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 | 190 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 180 | 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 | 260 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 260 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-29

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.11

Sample wt/vol: 10.44 (g/ml) G Lab File ID: BN1536.D

Level: (low/med) LOW Date Received: 04/20/98

% Moisture: 10.44 decanted: (Y/N) N Date Extracted: 04/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.48 | 34000 | JN |
| 2. | unknown | 14.99 | 1700 | J |
| 3. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.99 | 10000 | JN |
| 4. 074685-30-6 | 5-Eicosene, (E)- | 26.39 | 4400 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-30**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.15

Sample wt/vol: 10.45 (g/ml) G Lab File ID: BN1537.D

Level: (low/med) LOW Date Received: 04/20/98

% Moisture: 12.48 decanted:(Y/N) N Date Extracted: 04/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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-30

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.15

Sample wt/vol: 10.45 (g/ml) G Lab File ID: BN1537.D

Level: (low/med) LOW Date Received: 04/20/98

% Moisture: 12.48 decanted:(Y/N) N Date Extracted: 04/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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 | 120 | JB |
| 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 | 210 | U |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 1000 | B |
| 206-44-0 | Fluoranthene | 210 | U |
| 92-87-5 | Benzidine | 990 | U |
| 129-00-0 | Pyrene | 250 | U |
| 85-68-7 | Butylbenzylphthalate | 270 | U |
| 56-55-3 | Benzo[a]anthracene | 210 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 218-01-9 | Chrysene | 270 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 170 | JB |
| 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 | 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-30**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.15

Sample wt/vol: 10.45 (g/ml) G Lab File ID: BN1537.D

Level: (low/med) LOW Date Received: 04/20/98

% Moisture: 12.48 decanted: (Y/N) N Date Extracted: 04/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/98

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. 000110-83-8 | Cyclohexene | 3.46 | 43000 | JN |
| 2. | unknown | 14.99 | 1500 | J |
| 3. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.98 | 6800 | JN |
| 4. 074685-30-6 | 5-Eicosene, (E)- | 26.40 | 3200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-31

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.02

Sample wt/vol: 10.59 (g/ml) G Lab File ID: BN1563.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 12.44 decanted:(Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 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 | 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-31**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.02

Sample wt/vol: 10.59 (g/ml) G Lab File ID: BN1563.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 12.44 decanted:(Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 150 | 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 | 280 | U |
| 87-86-5 | Pentachlorophenol | 320 | U |
| 85-01-8 | Phenanthrene | 130 | J |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 25000 | EB |
| 206-44-0 | Fluoranthene | 120 | J |
| 92-87-5 | Benzidine | 980 | U |
| 129-00-0 | Pyrene | 190 | 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 | 130 | 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-31**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.02

Sample wt/vol: 10.59 (g/ml) G Lab File ID: BN1563.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 12.44 decanted: (Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 3.31 | 1200 | J |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.97 | 1200 | JN |
| 3. 074685-30-6 | 5-Eicosene, (E)- | 26.40 | 4100 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-31DL

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.02

Sample wt/vol: 10.59 (g/ml) G Lab File ID: BN1605.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 12.44 decanted:(Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/05/98

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1600 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1200 | U |
| 108-95-2 | Phenol | 1800 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1600 | U |
| 100-51-6 | Benzyl alcohol | 1400 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1300 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1400 | U |
| | 4-Methylphenol | 1400 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1300 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1400 | U |
| 78-59-1 | Isophorone | 1400 | U |
| 88-75-5 | 2-Nitrophenol | 910 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1600 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 640 | U |
| 120-83-2 | 2,4-Dichlorophenol | 850 | U |
| 65-85-0 | Benzoic Acid | 5400 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1400 | U |
| 91-20-3 | Naphthalene | 1300 | U |
| 106-47-8 | 4-Chloroaniline | 1600 | U |
| 87-68-3 | Hexachlorobutadiene | 1300 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1500 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 310 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 950 | U |
| 88-74-4 | 2-Nitroaniline | 900 | U |
| 131-11-3 | Dimethylphthalate | 810 | U |
| 208-96-8 | Acenaphthylene | 1000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1200 | U |
| 99-09-2 | 3-Nitroaniline | 1400 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-31DL**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.02

Sample wt/vol: 10.59 (g/ml) G Lab File ID: BN1605.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 12.44 decanted:(Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/05/98

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 940 | U |
| 51-28-5 | 2,4-Dinitrophenol | 5400 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 2500 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1100 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1500 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 5400 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 990 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 930 | U |
| 118-74-1 | Hexachlorobenzene | 1400 | U |
| 87-86-5 | Pentachlorophenol | 1600 | U |
| 85-01-8 | Phenanthrene | 1000 | U |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 26000 | BD |
| 206-44-0 | Fluoranthene | 1000 | U |
| 92-87-5 | Benzidine | 4900 | U |
| 129-00-0 | Pyrene | 1200 | U |
| 85-68-7 | Butylbenzylphthalate | 1400 | U |
| 56-55-3 | Benzo[a]anthracene | 1100 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1900 | U |
| 218-01-9 | Chrysene | 1400 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1500 | U |
| 117-84-0 | Di-n-octylphthalate | 1500 | U |
| 205-99-2 | Benzo[b]fluoranthene | 1300 | U |
| 207-08-9 | Benzo[k]fluoranthene | 980 | U |
| 50-32-8 | Benzo[a]pyrene | 1000 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1100 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 1300 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 1300 | U |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-32

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.06

Sample wt/vol: 10.28 (g/ml) G Lab File ID: BN1566.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 13.57 decanted:(Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 340 | U |
| 62-75-9 | N-nitroso-dimethylamine | 230 | U |
| 62-53-3 | Aniline | 250 | U |
| 108-95-2 | Phenol | 370 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 240 | 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 | 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 | 270 | 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 | 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 | 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-32

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.06

Sample wt/vol: 10.28 (g/ml) G Lab File ID: BN1566.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 13.57 decanted:(Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 140 | J |
| 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 | 210 | 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 | 170 | J |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 2500 | B |
| 206-44-0 | Fluoranthene | 250 | |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 270 | |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 170 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 390 | U |
| 218-01-9 | Chrysene | 300 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 160 | JB |
| 117-84-0 | Di-n-octylphthalate | 320 | U |
| 205-99-2 | Benzo[b]fluoranthene | 160 | J |
| 207-08-9 | Benzo[k]fluoranthene | 150 | J |
| 50-32-8 | Benzo[a]pyrene | 170 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 120 | 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-32

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.06

Sample wt/vol: 10.28 (g/ml) G Lab File ID: BN1566.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 13.57 decanted: (Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 3.31 | 1300 | J |
| 2. | unknown | 14.99 | 1600 | J |
| 3. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.99 | 11000 | JN |
| 4. 000112-92-5 | 1-Octadecanol | 26.40 | 3800 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-33

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.10

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN1567.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 12.63 decanted:(Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 290 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 260 | U |
| | 2-Methylphenol | 220 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 280 | 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 | 110 | J |
| 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 | 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 | 280 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-33

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.10

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN1567.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 12.63 decanted:(Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 300 | |
| 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 | 350 | |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 1000 | B |
| 206-44-0 | Fluoranthene | 550 | |
| 92-87-5 | Benzidine | 990 | U |
| 129-00-0 | Pyrene | 520 | |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 320 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 218-01-9 | Chrysene | 600 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 150 | JB |
| 117-84-0 | Di-n-octylphthalate | 310 | U |
| 205-99-2 | Benzo[b]fluoranthene | 350 | |
| 207-08-9 | Benzo[k]fluoranthene | 360 | |
| 50-32-8 | Benzo[a]pyrene | 370 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 260 | |
| 53-70-3 | Dibenz[a,h]anthracene | 260 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 230 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-33

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.10

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN1567.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 12.63 decanted: (Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 6.51 | 920 | J |
| 2. | unknown | 14.99 | 940 | J |
| 3. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.99 | 6800 | JN |
| 4. 074685-30-6 | 5-Eicosene, (E)- | 26.40 | 2900 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-34

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.14

Sample wt/vol: 10.56 (g/ml) G Lab File ID: BN1568.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 16.99 decanted:(Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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-34

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.14

Sample wt/vol: 10.56 (g/ml) G Lab File ID: BN1568.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 16.99 decanted:(Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 180 | J |
| 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 | 280 | |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 1400 | B |
| 206-44-0 | Fluoranthene | 570 | |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 460 | |
| 85-68-7 | Butylbenzylphthalate | 290 | U |
| 56-55-3 | Benzo[a]anthracene | 350 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 390 | U |
| 218-01-9 | Chrysene | 570 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 360 | B |
| 117-84-0 | Di-n-octylphthalate | 320 | U |
| 205-99-2 | Benzo[b]fluoranthene | 420 | |
| 207-08-9 | Benzo[k]fluoranthene | 340 | |
| 50-32-8 | Benzo[a]pyrene | 390 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 300 | |
| 53-70-3 | Dibenz[a,h]anthracene | 270 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 250 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-34

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.14

Sample wt/vol: 10.56 (g/ml) G Lab File ID: BN1568.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 16.99 decanted: (Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000141-79-7 | 3-Penten-2-one, 4-methyl- | 5.64 | 2100 | JN |
| 2. | unknown | 6.59 | 18000 | J |
| 3. | unknown | 14.99 | 1500 | J |
| 4. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.98 | 5600 | JN |
| 5. 000629-96-9 | 1-Eicosanol | 26.41 | 3900 | JN |
| 6. | unknown | 28.91 | 920 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-35

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.18

Sample wt/vol: 10.68 (g/ml) G Lab File ID: BN1569.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 12.53 decanted:(Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 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 | 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 | 220 | 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 | 120 | J |
| 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 | 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-35

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.18

Sample wt/vol: 10.68 (g/ml) G Lab File ID: BN1569.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 12.53 decanted:(Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 200 | U |
| 103-33-3 | Azobenzene | 200 | 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 | 670 | |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 6800 | B |
| 206-44-0 | Fluoranthene | 1300 | |
| 92-87-5 | Benzidine | 970 | U |
| 129-00-0 | Pyrene | 1100 | |
| 85-68-7 | Butylbenzylphthalate | 270 | U |
| 56-55-3 | Benzo[a]anthracene | 690 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 370 | U |
| 218-01-9 | Chrysene | 1200 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 130 | JB |
| 117-84-0 | Di-n-octylphthalate | 300 | U |
| 205-99-2 | Benzo[b]fluoranthene | 840 | |
| 207-08-9 | Benzo[k]fluoranthene | 700 | |
| 50-32-8 | Benzo[a]pyrene | 720 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 490 | |
| 53-70-3 | Dibenz[a,h]anthracene | 200 | J |
| 191-24-2 | Benzo[g,h,i]perylene | 400 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-35

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.18

Sample wt/vol: 10.68 (g/ml) G Lab File ID: BN1569.D

Level: (low/med) LOW Date Received: 04/21/98

% Moisture: 12.53 decanted: (Y/N) N Date Extracted: 04/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

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. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.97 | 920 | JN |
| 2. 000629-96-9 | 1-Eicosanol | 26.40 | 5000 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-36

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.02

Sample wt/vol: 10.72 (g/ml) G Lab File ID: BN1578.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 9.49 decanted:(Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 310 | U |
| 62-75-9 | N-nitroso-dimethylamine | 210 | U |
| 62-53-3 | Aniline | 220 | U |
| 108-95-2 | Phenol | 340 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 220 | U |
| 95-57-8 | 2-Chlorophenol | 200 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 210 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 300 | U |
| 100-51-6 | Benzyl alcohol | 280 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 210 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 260 | U |
| | 4-Methylphenol | 280 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 250 | U |
| 67-72-1 | Hexachloroethane | 220 | U |
| 98-95-3 | Nitrobenzene | 280 | 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 | 260 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 280 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 59 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 190 | U |
| | 2,4,5-Trichlorophenol | 220 | U |
| 91-58-7 | 2-Chloronaphthalene | 180 | U |
| 88-74-4 | 2-Nitroaniline | 170 | U |
| 131-11-3 | Dimethylphthalate | 160 | 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-36**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.02

Sample wt/vol: 10.72 (g/ml) G Lab File ID: BN1578.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 9.49 decanted:(Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 200 | 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 | 200 | 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 | 210 | |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 3300 | B |
| 206-44-0 | Fluoranthene | 220 | |
| 92-87-5 | Benzidine | 930 | U |
| 129-00-0 | Pyrene | 330 | |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 140 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 350 | U |
| 218-01-9 | Chrysene | 280 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 130 | JB |
| 117-84-0 | Di-n-octylphthalate | 290 | U |
| 205-99-2 | Benzo[b]fluoranthene | 110 | J |
| 207-08-9 | Benzo[k]fluoranthene | 120 | J |
| 50-32-8 | Benzo[a]pyrene | 120 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 210 | 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: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.02

Sample wt/vol: 10.72 (g/ml) G Lab File ID: BN1578.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 9.49 decanted: (Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.40 | 6000 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-37

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.06

Sample wt/vol: 10.91 (g/ml) G Lab File ID: BN1579.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 10.86 decanted:(Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 310 | U |
| 62-75-9 | N-nitroso-dimethylamine | 210 | U |
| 62-53-3 | Aniline | 220 | U |
| 108-95-2 | Phenol | 340 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 220 | U |
| 95-57-8 | 2-Chlorophenol | 200 | 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 | 220 | U |
| 98-95-3 | Nitrobenzene | 280 | 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 | 260 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 280 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 59 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 190 | U |
| | 2,4,5-Trichlorophenol | 220 | U |
| 91-58-7 | 2-Chloronaphthalene | 180 | U |
| 88-74-4 | 2-Nitroaniline | 170 | U |
| 131-11-3 | Dimethylphthalate | 160 | 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-37

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.06

Sample wt/vol: 10.91 (g/ml) G Lab File ID: BN1579.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 10.86 decanted:(Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 200 | 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 | 200 | 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 | 4700 | B |
| 206-44-0 | Fluoranthene | 200 | U |
| 92-87-5 | Benzidine | 930 | 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 | 130 | JB |
| 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 | 250 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 250 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-37

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.06

Sample wt/vol: 10.91 (g/ml) G Lab File ID: BN1579.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 10.86 decanted: (Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

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. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.97 | 1300 | JN |
| 2. 000629-96-9 | 1-Eicosanol | 26.41 | 5800 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-38

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.10

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BN1580.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 12.85 decanted:(Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 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: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.10

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BN1580.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 12.85 decanted:(Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 290 | U |
| 87-86-5 | Pentachlorophenol | 330 | U |
| 85-01-8 | Phenanthrene | 220 | U |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 6100 | B |
| 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 | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 150 | JB |
| 117-84-0 | Di-n-octylphthalate | 320 | 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 | 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: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.10

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BN1580.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 12.85 decanted: (Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

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. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.97 | 1000 | JN |
| 2. 000112-92-5 | 1-Octadecanol | 26.40 | 6300 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-39

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.14

Sample wt/vol: 10.83 (g/ml) G Lab File ID: BN1606.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 14.25 decanted:(Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/05/98

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1600 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1200 | U |
| 108-95-2 | Phenol | 1800 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1600 | U |
| 100-51-6 | Benzyl alcohol | 1400 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1300 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1400 | U |
| | 4-Methylphenol | 1400 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1300 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1400 | U |
| 78-59-1 | Isophorone | 1400 | U |
| 88-75-5 | 2-Nitrophenol | 900 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1600 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 640 | U |
| 120-83-2 | 2,4-Dichlorophenol | 850 | U |
| 65-85-0 | Benzoic Acid | 5400 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1400 | U |
| 91-20-3 | Naphthalene | 1300 | U |
| 106-47-8 | 4-Chloroaniline | 1600 | U |
| 87-68-3 | Hexachlorobutadiene | 1300 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1500 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 310 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 950 | U |
| 88-74-4 | 2-Nitroaniline | 890 | U |
| 131-11-3 | Dimethylphthalate | 810 | U |
| 208-96-8 | Acenaphthylene | 1000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1200 | U |
| 99-09-2 | 3-Nitroaniline | 1400 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-39

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.14

Sample wt/vol: 10.83 (g/ml) G Lab File ID: BN1606.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 14.25 decanted:(Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/05/98

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 940 | U |
| 51-28-5 | 2,4-Dinitrophenol | 5400 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 2500 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1100 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1500 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 5400 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 990 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 930 | U |
| 118-74-1 | Hexachlorobenzene | 1400 | U |
| 87-86-5 | Pentachlorophenol | 1600 | U |
| 85-01-8 | Phenanthrene | 1000 | U |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 35000 | BD |
| 206-44-0 | Fluoranthene | 1000 | U |
| 92-87-5 | Benzidine | 4900 | U |
| 129-00-0 | Pyrene | 1200 | U |
| 85-68-7 | Butylbenzylphthalate | 1400 | U |
| 56-55-3 | Benzo[a]anthracene | 1100 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1900 | U |
| 218-01-9 | Chrysene | 1400 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1500 | U |
| 117-84-0 | Di-n-octylphthalate | 1500 | U |
| 205-99-2 | Benzo[b]fluoranthene | 1300 | U |
| 207-08-9 | Benzo[k]fluoranthene | 980 | U |
| 50-32-8 | Benzo[a]pyrene | 1000 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1100 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 1300 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 1300 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-39**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.14 RD

Sample wt/vol: 10.83 (g/ml) G Lab File ID: BN1606.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 14.25 decanted: (Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/05/98

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-40

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.18

Sample wt/vol: 10.73 (g/ml) G Lab File ID: BN1582.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 12.29 decanted:(Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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-40**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.18

Sample wt/vol: 10.73 (g/ml) G Lab File ID: BN1582.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 12.29 decanted:(Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 4200 | B |
| 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 | 290 | U |
| 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-40**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.18

Sample wt/vol: 10.73 (g/ml) G Lab File ID: BN1582.D

Level: (low/med) LOW Date Received: 04/22/98

% Moisture: 12.29 decanted: (Y/N) N Date Extracted: 04/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.97 | 1000 | JN |
| 2. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.40 | 4800 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-41

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3539 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.02

Sample wt/vol: 10.35 (g/ml) G Lab File ID: BN1610.D

Level: (low/med) LOW Date Received: 05/01/98

% Moisture: 13.91 decanted:(Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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 | 340 | 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 | 240 | 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 | 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 | 290 | U |
| 91-20-3 | Naphthalene | 180 | J |
| 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 | 260 | J |
| 77-47-4 | Hexachlorocyclopentadiene | 64 | 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-41

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3539 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.02

Sample wt/vol: 10.35 (g/ml) G Lab File ID: BN1610.D

Level: (low/med) LOW Date Received: 05/01/98

% Moisture: 13.91 decanted:(Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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 | 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 | 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 | 210 | 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 | 350 | |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 1100 | B |
| 206-44-0 | Fluoranthene | 340 | |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 310 | |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 150 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 390 | U |
| 218-01-9 | Chrysene | 410 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 150 | JB |
| 117-84-0 | Di-n-octylphthalate | 320 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | J |
| 207-08-9 | Benzo[k]fluoranthene | 180 | J |
| 50-32-8 | Benzo[a]pyrene | 160 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 130 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 270 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 120 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-41**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3539 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.02

Sample wt/vol: 10.35 (g/ml) G Lab File ID: BN1610.D

Level: (low/med) LOW Date Received: 05/01/98

% Moisture: 13.91 decanted: (Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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. | unknown | 19.48 | 900 | J |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.96 | 1700 | JN |
| 3. 000057-10-3 | Hexadecanoic acid | 21.80 | 1200 | JN |
| 4. 001599-67-3 | 1-Docosene | 26.40 | 10000 | JN |
| 5. 000112-88-9 | 1-Octadecene | 27.91 | 990 | JN |
| 6. | unknown | 28.59 | 1400 | J |
| 7. 000629-96-9 | 1-Eicosanol | 30.97 | 1700 | JN |
| 8. | unknown | 31.99 | 1300 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-42

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3539 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.06

Sample wt/vol: 10.38 (g/ml) G Lab File ID: BN1613.D

Level: (low/med) LOW Date Received: 05/01/98

% Moisture: 12.35 decanted:(Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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 | 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 | 290 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 260 | U |
| | 2-Methylphenol | 230 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 280 | 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 | 310 | |
| 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 | 260 | J |
| 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 | 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 | 280 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-42

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3539 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.06

Sample wt/vol: 10.38 (g/ml) G Lab File ID: BN1613.D

Level: (low/med) LOW Date Received: 05/01/98

% Moisture: 12.35 decanted:(Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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 | 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 | 640 | |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 800 | JB |
| 206-44-0 | Fluoranthene | 1300 | |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 960 | |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 650 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 218-01-9 | Chrysene | 980 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 300 | U |
| 117-84-0 | Di-n-octylphthalate | 310 | U |
| 205-99-2 | Benzo[b]fluoranthene | 720 | |
| 207-08-9 | Benzo[k]fluoranthene | 590 | |
| 50-32-8 | Benzo[a]pyrene | 670 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 580 | |
| 53-70-3 | Dibenz[a,h]anthracene | 200 | J |
| 191-24-2 | Benzo[g,h,i]perylene | 500 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-42**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3539 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.06

Sample wt/vol: 10.38 (g/ml) G Lab File ID: BN1613.D

Level: (low/med) LOW Date Received: 05/01/98

% Moisture: 12.35 decanted: (Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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. 000108-38-3 | Benzene, 1,3-dimethyl- | 7.03 | 1500 | JN |
| 2. 000620-14-4 | Benzene, 1-ethyl-3-methyl- | 8.81 | 940 | JN |
| 3. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.95 | 1400 | JN |
| 4. 000057-10-3 | Hexadecanoic acid | 21.79 | 1100 | JN |
| 5. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.39 | 8700 | JN |
| 6. 000593-45-3 | Octadecane | 27.90 | 970 | JN |
| 7. | unknown | 28.58 | 1700 | J |
| 8. 000629-96-9 | 1-Eicosanol | 30.97 | 1800 | JN |
| 9. | unknown | 31.98 | 1200 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-43

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.02

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN1614.D

Level: (low/med) LOW Date Received: 05/04/98

% Moisture: 21.52 decanted:(Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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 | 380 | U |
| 62-75-9 | N-nitroso-dimethylamine | 250 | U |
| 62-53-3 | Aniline | 280 | U |
| 108-95-2 | Phenol | 420 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 270 | U |
| 95-57-8 | 2-Chlorophenol | 240 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 260 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 370 | U |
| 100-51-6 | Benzyl alcohol | 340 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 300 | U |
| | 2-Methylphenol | 260 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 320 | U |
| | 4-Methylphenol | 340 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 310 | U |
| 67-72-1 | Hexachloroethane | 270 | U |
| 98-95-3 | Nitrobenzene | 340 | U |
| 78-59-1 | Isophorone | 330 | U |
| 88-75-5 | 2-Nitrophenol | 210 | U |
| 105-67-9 | 2,4-Dimethylphenol | 370 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 150 | U |
| 120-83-2 | 2,4-Dichlorophenol | 200 | U |
| 65-85-0 | Benzoic Acid | 1300 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 330 | U |
| 91-20-3 | Naphthalene | 310 | U |
| 106-47-8 | 4-Chloroaniline | 370 | U |
| 87-68-3 | Hexachlorobutadiene | 320 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 250 | U |
| 91-57-6 | 2-Methylnaphthalene | 350 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 73 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 240 | U |
| | 2,4,5-Trichlorophenol | 270 | U |
| 91-58-7 | 2-Chloronaphthalene | 230 | 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 | 290 | U |
| 99-09-2 | 3-Nitroaniline | 320 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-43

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.02

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN1614.D

Level: (low/med) LOW Date Received: 05/04/98

% Moisture: 21.52 decanted:(Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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 | 220 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1300 | U |
| 132-64-9 | Dibenzofuran | 240 | U |
| 100-02-7 | 4-Nitrophenol | 580 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 240 | U |
| 84-66-2 | Diethylphthalate | 260 | U |
| 86-73-7 | Fluorene | 240 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 240 | U |
| 100-01-6 | 4-Nitroaniline | 360 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1300 | 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 | 340 | U |
| 87-86-5 | Pentachlorophenol | 380 | U |
| 85-01-8 | Phenanthrene | 250 | U |
| 120-12-7 | Anthracene | 250 | U |
| 84-74-2 | Di-n-butylphthalate | 400 | JB |
| 206-44-0 | Fluoranthene | 250 | U |
| 92-87-5 | Benzidine | 1200 | U |
| 129-00-0 | Pyrene | 290 | U |
| 85-68-7 | Butylbenzylphthalate | 320 | U |
| 56-55-3 | Benzo[a]anthracene | 250 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 440 | U |
| 218-01-9 | Chrysene | 130 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 350 | U |
| 117-84-0 | Di-n-octylphthalate | 360 | U |
| 205-99-2 | Benzo[b]fluoranthene | 310 | U |
| 207-08-9 | Benzo[k]fluoranthene | 230 | U |
| 50-32-8 | Benzo[a]pyrene | 240 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 260 | 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-43

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.02

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN1614.D

Level: (low/med) LOW Date Received: 05/04/98

% Moisture: 21.52 decanted: (Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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. 001599-67-3 | 1-Docosene | 26.39 | 11000 | JN |
| 2. | unknown | 28.58 | 1400 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-44

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.06

Sample wt/vol: 10.71 (g/ml) G Lab File ID: BN1615.D

Level: (low/med) LOW Date Received: 05/04/98

% Moisture: 19.46 decanted:(Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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 | 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 | 190 | J |
| 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 | 160 | J |
| 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-44

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.06

Sample wt/vol: 10.71 (g/ml) G Lab File ID: BN1615.D

Level: (low/med) LOW Date Received: 05/04/98

% Moisture: 19.46 decanted:(Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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 | 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 | 1300 | |
| 120-12-7 | Anthracene | 190 | J |
| 84-74-2 | Di-n-butylphthalate | 370 | JB |
| 206-44-0 | Fluoranthene | 2800 | |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 2500 | |
| 85-68-7 | Butylbenzylphthalate | 290 | U |
| 56-55-3 | Benzo[a]anthracene | 1500 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 400 | U |
| 218-01-9 | Chrysene | 2400 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 320 | U |
| 117-84-0 | Di-n-octylphthalate | 330 | U |
| 205-99-2 | Benzo[b]fluoranthene | 1600 | |
| 207-08-9 | Benzo[k]fluoranthene | 1500 | |
| 50-32-8 | Benzo[a]pyrene | 1600 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1300 | |
| 53-70-3 | Dibenz[a,h]anthracene | 470 | |
| 191-24-2 | Benzo[g,h,i]perylene | 1200 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-44**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.06

Sample wt/vol: 10.71 (g/ml) G Lab File ID: BN1615.D

Level: (low/med) LOW Date Received: 05/04/98

% Moisture: 19.46 decanted: (Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 13 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000057-10-3 | Hexadecanoic acid | 21.79 | 1400 | JN |
| 2. 000544-76-3 | Hexadecane | 23.94 | 1100 | JN |
| 3. 000238-84-6 | 11H-Benzo[a]fluorene | 24.51 | 1700 | JN |
| 4. 000629-99-2 | Pentacosane | 24.80 | 970 | JN |
| 5. 001599-67-3 | 1-Docosene | 26.39 | 9100 | JN |
| 6. 000295-65-8 | Cyclohexadecane | 27.91 | 1500 | JN |
| 7. | unknown | 28.58 | 1800 | J |
| 8. 000629-92-5 | Nonadecane | 29.29 | 1100 | JN |
| 9. | unknown | 29.34 | 1700 | J |
| 10. 000192-97-2 | Benzo[e]pyrene | 29.55 | 1200 | JN |
| 11. 000630-06-8 | Hexatriacontane | 30.87 | 1400 | JN |
| 12. 000629-96-9 | 1-Eicosanol | 30.97 | 2000 | JN |
| 13. | unknown | 31.98 | 1900 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-45

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.10

Sample wt/vol: 10.96 (g/ml) G Lab File ID: BN1616.D

Level: (low/med) LOW Date Received: 05/04/98

% Moisture: 12.04 decanted:(Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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 | 310 | 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 | 210 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 300 | U |
| 100-51-6 | Benzyl alcohol | 280 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 210 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 260 | U |
| | 4-Methylphenol | 280 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 250 | U |
| 67-72-1 | Hexachloroethane | 220 | U |
| 98-95-3 | Nitrobenzene | 280 | U |
| 78-59-1 | Isophorone | 270 | 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 | 260 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 280 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 59 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 200 | U |
| | 2,4,5-Trichlorophenol | 220 | U |
| 91-58-7 | 2-Chloronaphthalene | 180 | U |
| 88-74-4 | 2-Nitroaniline | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-45

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.10

Sample wt/vol: 10.96 (g/ml) G Lab File ID: BN1616.D

Level: (low/med) LOW Date Received: 05/04/98

% Moisture: 12.04 decanted:(Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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 | 180 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 210 | U |
| 86-73-7 | Fluorene | 200 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 200 | 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 | 200 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 180 | U |
| 118-74-1 | Hexachlorobenzene | 270 | U |
| 87-86-5 | Pentachlorophenol | 310 | U |
| 85-01-8 | Phenanthrene | 300 | |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 290 | JB |
| 206-44-0 | Fluoranthene | 710 | |
| 92-87-5 | Benzidine | 940 | U |
| 129-00-0 | Pyrene | 700 | |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 440 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 690 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 290 | U |
| 117-84-0 | Di-n-octylphthalate | 290 | U |
| 205-99-2 | Benzo[b]fluoranthene | 480 | |
| 207-08-9 | Benzo[k]fluoranthene | 470 | |
| 50-32-8 | Benzo[a]pyrene | 500 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 470 | |
| 53-70-3 | Dibenz[a,h]anthracene | 160 | J |
| 191-24-2 | Benzo[g,h,i]perylene | 420 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-45

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.10

Sample wt/vol: 10.96 (g/ml) G Lab File ID: BN1616.D

Level: (low/med) LOW Date Received: 05/04/98

% Moisture: 12.04 decanted: (Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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. 000057-10-3 | Hexadecanoic acid | 21.78 | 890 | JN |
| 2. 000629-96-9 | 1-Eicosanol | 26.40 | 7200 | JN |
| 3. | unknown | 28.58 | 1400 | J |
| 4. 000629-96-9 | 1-Eicosanol | 30.97 | 1600 | JN |
| 5. | unknown | 31.98 | 1200 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-46

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.14

Sample wt/vol: 10.83 (g/ml) G Lab File ID: BN1617.D

Level: (low/med) LOW Date Received: 05/04/98

% Moisture: 12.52 decanted:(Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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 | 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 | 260 | U |
| | 4-Methylphenol | 160 | J |
| 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 | 60 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-46

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.14

Sample wt/vol: 10.83 (g/ml) G Lab File ID: BN1617.D

Level: (low/med) LOW Date Received: 05/04/98

% Moisture: 12.52 decanted:(Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

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 | 180 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 200 | U |
| 100-02-7 | 4-Nitrophenol | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 200 | U |
| 84-66-2 | Diethylphthalate | 210 | 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 | 320 | |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 1000 | B |
| 206-44-0 | Fluoranthene | 560 | |
| 92-87-5 | Benzidine | 960 | U |
| 129-00-0 | Pyrene | 530 | |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 310 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 510 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 2900 | B |
| 117-84-0 | Di-n-octylphthalate | 300 | U |
| 205-99-2 | Benzo[b]fluoranthene | 330 | |
| 207-08-9 | Benzo[k]fluoranthene | 350 | |
| 50-32-8 | Benzo[a]pyrene | 360 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 310 | |
| 53-70-3 | Dibenz[a,h]anthracene | 250 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 280 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-46

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.14

Sample wt/vol: 10.83 (g/ml) G Lab File ID: BN1617.D

Level: (low/med) LOW Date Received: 05/04/98

% Moisture: 12.52 decanted: (Y/N) N Date Extracted: 05/05/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/06/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 21 (ug/L or ug/Kg) UG/KG

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | unknown | 6.51 | 1500 | J |
| 2. | 001599-67-3 | 1-Docosene | 26.39 | 7100 | JN |
| 3. | 000563-04-2 | Phosphoric acid, tris(3-methylphe | 27.80 | 3200 | JN |
| 4. | | unknown | 27.83 | 910 | J |
| 5. | 000629-96-9 | 1-Eicosanol | 27.92 | 1000 | JN |
| 6. | 000563-04-2 | Phosphoric acid, tris(3-methylphe | 28.03 | 5100 | JN |
| 7. | | unknown | 28.08 | 1900 | J |
| 8. | | unknown | 28.20 | 1700 | J |
| 9. | 001330-78-5 | Phosphoric acid, tris(methylphen | 28.25 | 4900 | JN |
| 10. | | unknown | 28.31 | 3400 | J |
| 11. | | unknown | 28.35 | 5600 | J |
| 12. | 000563-04-2 | Phosphoric acid, tris(3-methylphe | 28.47 | 1300 | JN |
| 13. | | unknown | 28.58 | 11000 | J |
| 14. | | unknown | 28.64 | 1800 | J |
| 15. | | unknown | 28.81 | 2400 | J |
| 16. | | unknown | 28.87 | 1000 | J |
| 17. | | unknown | 28.91 | 2100 | J |
| 18. | | unknown | 29.14 | 1100 | J |
| 19. | 000630-06-8 | Hexatriacontane | 29.29 | 860 | JN |
| 20. | 000629-96-9 | 1-Eicosanol | 30.97 | 1600 | JN |
| 21. | | unknown | 31.98 | 1100 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-47

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.02

Sample wt/vol: 10.78 (g/ml) G Lab File ID: BN1622.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 7.05 decanted:(Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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 | 300 | U |
| 62-75-9 | N-nitroso-dimethylamine | 200 | U |
| 62-53-3 | Aniline | 220 | U |
| 108-95-2 | Phenol | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 190 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-47

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.02

Sample wt/vol: 10.78 (g/ml) G Lab File ID: BN1622.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 7.05 decanted:(Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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 | 170 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 110 | JB |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 290 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 960 | B |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 900 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 240 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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-47

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.02

Sample wt/vol: 10.78 (g/ml) G Lab File ID: BN1622.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 7.05 decanted: (Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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. 000110-83-8 | Cyclohexene | 3.47 | 3400 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.96 | 1500 | JN |
| 3. 001599-67-3 | 1-Docosene | 26.40 | 6300 | JN |
| 4. 000629-96-9 | 1-Eicosanol | 27.91 | 960 | JN |
| 5. | unknown | 28.58 | 860 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-48**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.06

Sample wt/vol: 10.28 (g/ml) G Lab File ID: BN1623.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 7.13 decanted:(Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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 | 310 | 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 | 210 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 260 | 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 | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 170 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 270 | 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 | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 290 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 60 | 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 | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-48

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.06

Sample wt/vol: 10.28 (g/ml) G Lab File ID: BN1623.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 7.13 decanted:(Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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 | 180 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 210 | 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 | 1000 | 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 | 200 | U |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 630 | JB |
| 206-44-0 | Fluoranthene | 120 | J |
| 92-87-5 | Benzidine | 950 | U |
| 129-00-0 | Pyrene | 240 | U |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 210 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 260 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 290 | U |
| 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 | 210 | 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-48

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.06

Sample wt/vol: 10.28 (g/ml) G Lab File ID: BN1623.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 7.13 decanted: (Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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. 000110-83-8 | Cyclohexene | 3.48 | 28000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.96 | 1100 | JN |
| 3. 000629-96-9 | 1-Eicosanol | 26.40 | 8800 | JN |
| 4. 001454-84-8 | 1-Nonadecanol | 27.91 | 1600 | JN |
| 5. | unknown | 28.58 | 1400 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-49

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.10

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN1624.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 10.97 decanted:(Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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 | 580 | |
| 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-49

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.10

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN1624.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 10.97 decanted:(Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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 | U |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 490 | 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 | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 140 | J |
| 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 | 270 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 270 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-49

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.10

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN1624.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 10.97 decanted: (Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.95 | 960 | JN |
| 2. 001599-67-3 | 1-Docosene | 26.39 | 7900 | JN |
| 3. 006624-79-9 | 1-Dotriacontanol | 27.91 | 970 | JN |
| 4. | unknown | 28.58 | 1500 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-50

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.14

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN1625.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 8.43 decanted:(Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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 | 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 | 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 | 220 | 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 | 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-50

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.14

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN1625.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 8.43 decanted:(Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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 | 200 | 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 | 260 | JB |
| 206-44-0 | Fluoranthene | 170 | J |
| 92-87-5 | Benzidine | 970 | U |
| 129-00-0 | Pyrene | 130 | 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 | 130 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 120 | J |
| 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 | 260 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 260 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-50

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.14

Sample wt/vol: 10.23 (g/ml) G Lab File ID: BN1625.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 8.43 decanted: (Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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. 000110-83-8 | Cyclohexene | 3.48 | 40000 | JN |
| 2. 001599-67-3 | 1-Docosene | 26.39 | 6500 | JN |
| 3. 000112-92-5 | 1-Octadecanol | 27.91 | 1000 | JN |
| 4. | unknown | 28.58 | 1700 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-51

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.18

Sample wt/vol: 10.25 (g/ml) G Lab File ID: BN1626.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 9.95 decanted:(Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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 | 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-51

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.18

Sample wt/vol: 10.25 (g/ml) G Lab File ID: BN1626.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 9.95 decanted:(Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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 | 200 | 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 | 140 | J |
| 120-12-7 | Anthracene | 130 | J |
| 84-74-2 | Di-n-butylphthalate | 910 | B |
| 206-44-0 | Fluoranthene | 160 | 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 | 180 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 140 | J |
| 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 | 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-51**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.18

Sample wt/vol: 10.25 (g/ml) G Lab File ID: BN1626.D

Level: (low/med) LOW Date Received: 05/05/98

% Moisture: 9.95 decanted: (Y/N) N Date Extracted: 05/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/07/98

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. 000110-83-8 | Cyclohexene | 3.50 | 18000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.96 | 1700 | JN |
| 3. 000629-96-9 | 1-Eicosanol | 26.40 | 6900 | JN |
| 4. | unknown | 28.58 | 1400 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-52

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.03

Sample wt/vol: 10.76 (g/ml) G Lab File ID: BN1629.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: 12.41 decanted:(Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/08/98

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 | 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 | 60 | 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-52**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.03

Sample wt/vol: 10.76 (g/ml) G Lab File ID: BN1629.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: 12.41 decanted:(Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/08/98

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 | 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 | 110 | J |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 880 | U |
| 206-44-0 | Fluoranthene | 210 | U |
| 92-87-5 | Benzidine | 960 | U |
| 129-00-0 | Pyrene | 170 | J |
| 85-68-7 | Butylbenzylphthalate | 270 | U |
| 56-55-3 | Benzo[a]anthracene | 210 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 140 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 290 | U |
| 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-52

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.03

Sample wt/vol: 10.76 (g/ml) G Lab File ID: BN1629.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: 12.41 decanted: (Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/08/98

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. 000110-83-8 | Cyclohexene | 3.45 | 13000 | JN |
| 2. 000112-92-5 | 1-Octadecanol | 26.38 | 1200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-53

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.07

Sample wt/vol: 10.76 (g/ml) G Lab File ID: BN1630.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: 8.94 decanted:(Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/08/98

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 | 310 | 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-53**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.07

Sample wt/vol: 10.76 (g/ml) G Lab File ID: BN1630.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: 8.94 decanted:(Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/08/98

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 | 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 | 240 | |
| 120-12-7 | Anthracene | 240 | |
| 84-74-2 | Di-n-butylphthalate | 350 | JB |
| 206-44-0 | Fluoranthene | 260 | |
| 92-87-5 | Benzidine | 920 | U |
| 129-00-0 | Pyrene | 410 | |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 190 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 350 | U |
| 218-01-9 | Chrysene | 370 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 290 | U |
| 205-99-2 | Benzo[b]fluoranthene | 110 | J |
| 207-08-9 | Benzo[k]fluoranthene | 140 | J |
| 50-32-8 | Benzo[a]pyrene | 170 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 110 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 240 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 110 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-53

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.07

Sample wt/vol: 10.76 (g/ml) G Lab File ID: BN1630.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: 8.94 decanted: (Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/08/98

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. 000110-83-8 | Cyclohexene | 3.47 | 25000 | JN |
| 2. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.39 | 3900 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-54

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.11

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN1631.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: 9.6 decanted:(Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/08/98

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 | 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 | 60 | 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-54

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.11

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN1631.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: 9.6 decanted:(Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/08/98

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 | 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 | 110 | J |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 1600 | B |
| 206-44-0 | Fluoranthene | 160 | J |
| 92-87-5 | Benzidine | 960 | U |
| 129-00-0 | Pyrene | 240 | |
| 85-68-7 | Butylbenzylphthalate | 270 | U |
| 56-55-3 | Benzo[a]anthracene | 170 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 230 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 220 | J |
| 117-84-0 | Di-n-octylphthalate | 300 | U |
| 205-99-2 | Benzo[b]fluoranthene | 260 | U |
| 207-08-9 | Benzo[k]fluoranthene | 110 | J |
| 50-32-8 | Benzo[a]pyrene | 110 | J |
| 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-54**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.11

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN1631.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: 9.6 decanted: (Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/08/98

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. 000110-83-8 | Cyclohexene | 3.42 | 2800 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.95 | 960 | JN |
| 3. 000120-32-1 | Clorophene | 21.40 | 1500 | JN |
| 4. 000301-02-0 | 9-Octadecenamide, (Z)- | 25.43 | 940 | JN |
| 5. | unknown | 25.82 | 26000 | J |
| 6. 000629-96-9 | 1-Eicosanol | 26.39 | 6600 | JN |
| 7. | unknown | 28.58 | 1700 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-55

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.15

Sample wt/vol: 10.34 (g/ml) G Lab File ID: BN1632.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: 15.06 decanted:(Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/08/98

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 | 420 | |
| 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-55

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.15

Sample wt/vol: 10.34 (g/ml) G Lab File ID: BN1632.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: 15.06 decanted:(Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/08/98

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 | 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 | 900 | 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 | 290 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 130 | J |
| 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-55

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.15

Sample wt/vol: 10.34 (g/ml) G Lab File ID: BN1632.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: 15.06 decanted: (Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/08/98

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 | 20.96 | 1500 | JN |
| 2. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.39 | 6600 | JN |
| 3. | unknown | 28.58 | 1300 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-56

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.02

Sample wt/vol: 10.65 (g/ml) G Lab File ID: BN1690.D

Level: (low/med) LOW Date Received: 05/11/98

% Moisture: 17.08 decanted:(Y/N) N Date Extracted: 05/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/20/98

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-56**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.02

Sample wt/vol: 10.65 (g/ml) G Lab File ID: BN1690.D

Level: (low/med) LOW Date Received: 05/11/98

% Moisture: 17.08 decanted:(Y/N) N Date Extracted: 05/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/20/98

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 | 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 | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 220 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 390 | U |
| 218-01-9 | Chrysene | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 310 | U |
| 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-56

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.02

Sample wt/vol: 10.65 (g/ml) G Lab File ID: BN1690.D

Level: (low/med) LOW Date Received: 05/11/98

% Moisture: 17.08 decanted: (Y/N) N Date Extracted: 05/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/20/98

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. 000110-83-8 | Cyclohexene | 3.41 | 12000 | JN |
| 2. 000629-96-9 | 1-Eicosanol | 26.38 | 3300 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-57

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.06

Sample wt/vol: 10.71 (g/ml) G Lab File ID: BN1663.D

Level: (low/med) LOW Date Received: 05/11/98

% Moisture: 15.29 decanted:(Y/N) N Date Extracted: 05/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/18/98

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 | 290 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 260 | U |
| | 2-Methylphenol | 230 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 280 | 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 | 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 | 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 | 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-57

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.06

Sample wt/vol: 10.71 (g/ml) G Lab File ID: BN1663.D

Level: (low/med) LOW Date Received: 05/11/98

% Moisture: 15.29 decanted:(Y/N) N Date Extracted: 05/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/18/98

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 | 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 | 330 | U |
| 85-01-8 | Phenanthrene | 250 | |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 570 | JB |
| 206-44-0 | Fluoranthene | 300 | |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 450 | |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 210 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 218-01-9 | Chrysene | 290 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 140 | J |
| 117-84-0 | Di-n-octylphthalate | 310 | U |
| 205-99-2 | Benzo[b]fluoranthene | 270 | U |
| 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 | 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-57

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.06

Sample wt/vol: 10.71 (g/ml) G Lab File ID: BN1663.D

Level: (low/med) LOW Date Received: 05/11/98

% Moisture: 15.29 decanted: (Y/N) N Date Extracted: 05/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/18/98

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. 000110-83-8 | Cyclohexene | 3.42 | 30000 | JN |
| 2. 000629-96-9 | 1-Eicosanol | 26.38 | 4700 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-58

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.10

Sample wt/vol: 10.28 (g/ml) G Lab File ID: BN1691.D

Level: (low/med) LOW Date Received: 05/11/98

% Moisture: 7.4 decanted:(Y/N) N Date Extracted: 05/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/20/98

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 | 310 | 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 | 260 | 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 | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 290 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 60 | 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 | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-58

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.10

Sample wt/vol: 10.28 (g/ml) G Lab File ID: BN1691.D

Level: (low/med) LOW Date Received: 05/11/98

% Moisture: 7.4 decanted:(Y/N) N Date Extracted: 05/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/20/98

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 | 1100 | U |
| 132-64-9 | Dibenzofuran | 200 | U |
| 100-02-7 | 4-Nitrophenol | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 200 | U |
| 84-66-2 | Diethylphthalate | 210 | 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 | 200 | U |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 970 | B |
| 206-44-0 | Fluoranthene | 200 | U |
| 92-87-5 | Benzidine | 950 | U |
| 129-00-0 | Pyrene | 240 | U |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 210 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 260 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 200 | J |
| 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 | 210 | 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-58**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.10

Sample wt/vol: 10.28 (g/ml) G Lab File ID: BN1691.D

Level: (low/med) LOW Date Received: 05/11/98

% Moisture: 7.4 decanted: (Y/N) N Date Extracted: 05/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/20/98

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. 000110-83-8 | Cyclohexene | 3.34 | 6300 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.94 | 1500 | JN |
| 3. 000629-96-9 | 1-Eicosanol | 26.38 | 7500 | JN |
| 4. 000629-96-9 | 1-Eicosanol | 27.90 | 1100 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-59

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.14

Sample wt/vol: 10.12 (g/ml) G Lab File ID: BN1692.D

Level: (low/med) LOW Date Received: 05/11/98

% Moisture: 12 decanted:(Y/N) N Date Extracted: 05/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/20/98

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 | 220 | U |
| 62-53-3 | Aniline | 240 | U |
| 108-95-2 | Phenol | 370 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 240 | 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 | 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 | 270 | 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 | 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 | 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-59

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.14

Sample wt/vol: 10.12 (g/ml) G Lab File ID: BN1692.D

Level: (low/med) LOW Date Received: 05/11/98

% Moisture: 12 decanted:(Y/N) N Date Extracted: 05/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/20/98

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 | 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 | 210 | 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 | 220 | U |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 430 | JB |
| 206-44-0 | Fluoranthene | 140 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 120 | J |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 220 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 390 | U |
| 218-01-9 | Chrysene | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 310 | U |
| 117-84-0 | Di-n-octylphthalate | 320 | U |
| 205-99-2 | Benzo[b]fluoranthene | 280 | 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 | 270 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 270 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-59**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.14

Sample wt/vol: 10.12 (g/ml) G Lab File ID: BN1692.D

Level: (low/med) LOW Date Received: 05/11/98

% Moisture: 12 decanted: (Y/N) N Date Extracted: 05/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/20/98

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. 002597-49-1 | Cyclobutane, ethenyl- | 3.33 | 1600 | JN |
| 2. 000050-29-3 | Chlorophenothane | 25.57 | 980 | JN |
| 3. 000112-92-5 | 1-Octadecanol | 26.38 | 2100 | JN |
| 4. 056554-86-0 | 17-Octadecenal | 28.90 | 3300 | JN |
| 5. 000629-96-9 | 1-Eicosanol | 29.32 | 1600 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-60**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.02

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BN1724.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 13.55 decanted:(Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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-60**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.02

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BN1724.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 13.55 decanted:(Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 440 | |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 610 | JB |
| 206-44-0 | Fluoranthene | 710 | |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 530 | |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 280 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 390 | U |
| 218-01-9 | Chrysene | 300 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 200 | JB |
| 117-84-0 | Di-n-octylphthalate | 320 | U |
| 205-99-2 | Benzo[b]fluoranthene | 220 | J |
| 207-08-9 | Benzo[k]fluoranthene | 240 | |
| 50-32-8 | Benzo[a]pyrene | 260 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 180 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 270 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 170 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-60**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.02

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BN1724.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 13.55 decanted: (Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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. 000110-83-8 | Cyclohexene | 3.44 | 40000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.94 | 910 | JN |
| 3. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.38 | 6400 | JN |
| 4. | unknown | 28.88 | 2000 | J |
| 5. 000629-96-9 | 1-Eicosanol | 30.95 | 1400 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-61

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.06

Sample wt/vol: 10.32 (g/ml) G Lab File ID: BN1794.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 12.65 decanted:(Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 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 | 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-61

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.06

Sample wt/vol: 10.32 (g/ml) G Lab File ID: BN1794.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 12.65 decanted:(Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 880 | JB |
| 206-44-0 | Fluoranthene | 140 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 150 | 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 | 130 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 220 | JB |
| 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 | 270 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 270 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-61

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.06

Sample wt/vol: 10.32 (g/ml) G Lab File ID: BN1794.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 12.65 decanted: (Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000110-83-8 | Cyclohexene | 3.42 | 12000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.92 | 1500 | JN |
| 3. 000057-10-3 | Hexadecanoic acid | 21.76 | 1100 | JN |
| 4. 001599-67-3 | 1-Docosene | 26.35 | 6000 | JN |
| 5. 000629-96-9 | 1-Eicosanol | 27.87 | 930 | JN |
| 6. | unknown | 28.85 | 2500 | J |
| 7. 000629-96-9 | 1-Eicosanol | 29.29 | 1100 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-62

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.10

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BN1795.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 11.04 decanted:(Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 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 | 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-62

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.10

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BN1795.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 11.04 decanted:(Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 450 | 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 | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 110 | JB |
| 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 | 270 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 270 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-62

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.10

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BN1795.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 11.04 decanted: (Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

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. 000629-96-9 | 1-Eicosanol | 26.35 | 5900 | JN |
| 2. | unknown | 28.85 | 1000 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-63

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.14

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN1729.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 10.12 decanted:(Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 310 | 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 | 260 | 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 | 60 | 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 | 170 | U |
| 131-11-3 | Dimethylphthalate | 160 | U |
| 208-96-8 | Acenaphthylene | 140 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 240 | U |
| 99-09-2 | 3-Nitroaniline | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-63

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.14

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN1729.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 10.12 decanted:(Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 1100 | U |
| 132-64-9 | Dibenzofuran | 200 | U |
| 100-02-7 | 4-Nitrophenol | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 200 | U |
| 84-66-2 | Diethylphthalate | 210 | 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 | 540 | |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 380 | JB |
| 206-44-0 | Fluoranthene | 890 | |
| 92-87-5 | Benzidine | 950 | U |
| 129-00-0 | Pyrene | 1300 | |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 560 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 880 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 210 | JB |
| 117-84-0 | Di-n-octylphthalate | 300 | U |
| 205-99-2 | Benzo[b]fluoranthene | 410 | |
| 207-08-9 | Benzo[k]fluoranthene | 520 | |
| 50-32-8 | Benzo[a]pyrene | 580 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 370 | |
| 53-70-3 | Dibenz[a,h]anthracene | 250 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 440 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-63**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.14

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN1729.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 10.12 decanted: (Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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. 000057-10-3 | Hexadecanoic acid | 21.77 | 1300 | JN |
| 2. 000238-84-6 | 11H-Benzo[a]fluorene | 24.50 | 1100 | JN |
| 3. 001599-67-3 | 1-Docosene | 26.38 | 7900 | JN |
| 4. 001454-84-8 | 1-Nonadecanol | 27.89 | 940 | JN |
| 5. | unknown | 28.88 | 930 | J |
| 6. 000629-96-9 | 1-Eicosanol | 30.95 | 1800 | JN |
| 7. | unknown | 31.96 | 970 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-64

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.19

Sample wt/vol: 10.05 (g/ml) G Lab File ID: BN1796.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 17.15 decanted:(Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 250 | 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 | 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 | 150 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 270 | U |
| 99-09-2 | 3-Nitroaniline | 300 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-64

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.19

Sample wt/vol: 10.05 (g/ml) G Lab File ID: BN1796.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 17.15 decanted:(Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 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 | 350 | U |
| 85-01-8 | Phenanthrene | 1100 | |
| 120-12-7 | Anthracene | 230 | U |
| 84-74-2 | Di-n-butylphthalate | 820 | JB |
| 206-44-0 | Fluoranthene | 1200 | |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 2200 | |
| 85-68-7 | Butylbenzylphthalate | 300 | U |
| 56-55-3 | Benzo[a]anthracene | 660 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 410 | U |
| 218-01-9 | Chrysene | 1500 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | JB |
| 117-84-0 | Di-n-octylphthalate | 340 | U |
| 205-99-2 | Benzo[b]fluoranthene | 560 | |
| 207-08-9 | Benzo[k]fluoranthene | 560 | |
| 50-32-8 | Benzo[a]pyrene | 660 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 440 | |
| 53-70-3 | Dibenz[a,h]anthracene | 290 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 540 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-64**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.19

Sample wt/vol: 10.05 (g/ml) G Lab File ID: BN1796.D

Level: (low/med) LOW Date Received: 05/14/98

% Moisture: 17.15 decanted: (Y/N) N Date Extracted: 05/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 13 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000110-83-8 | Cyclohexene | 3.41 | 23000 | JN |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.92 | 1500 | JN |
| 3. 000057-10-3 | Hexadecanoic acid | 21.76 | 2600 | JN |
| 4. | unknown | 24.48 | 1800 | J |
| 5. 003442-78-2 | Pyrene, 2-methyl- | 24.71 | 980 | JN |
| 6. 001599-67-3 | 1-Docosene | 26.36 | 8500 | JN |
| 7. 000629-96-9 | 1-Eicosanol | 27.87 | 1300 | JN |
| 8. | unknown | 28.87 | 3800 | J |
| 9. 000544-76-3 | Hexadecane | 29.25 | 1100 | JN |
| 10. | unknown | 29.30 | 3000 | J |
| 11. 000630-06-8 | Hexatriacontane | 30.82 | 2100 | JN |
| 12. 000629-96-9 | 1-Eicosanol | 30.92 | 2100 | JN |
| 13. | unknown | 31.93 | 980 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-65

Lab Name: FMETL NJDEP: M-513461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.02

Sample wt/vol: 10.45 (g/ml) G Lab File ID: BN1799.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 12.24 decanted:(Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 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-65

Lab Name: FMETL NJDEP: M-513461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.02

Sample wt/vol: 10.45 (g/ml) G Lab File ID: BN1799.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 12.24 decanted:(Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 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 | 210 | U |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 210 | JB |
| 206-44-0 | Fluoranthene | 210 | U |
| 92-87-5 | Benzidine | 990 | U |
| 129-00-0 | Pyrene | 250 | U |
| 85-68-7 | Butylbenzylphthalate | 270 | U |
| 56-55-3 | Benzo[a]anthracene | 210 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 218-01-9 | Chrysene | 270 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 300 | U |
| 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 | 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-65

Lab Name: FMETL NJDEP: M-513461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.02

Sample wt/vol: 10.45 (g/ml) G Lab File ID: BN1799.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 12.24 decanted: (Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

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. 000629-96-9 | 1-Eicosanol | 26.35 | 9100 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-66

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.06

Sample wt/vol: 10.77 (g/ml) G Lab File ID: BN1735.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 12.26 decanted:(Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 60 | 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-66

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.06

Sample wt/vol: 10.77 (g/ml) G Lab File ID: BN1735.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 12.26 decanted:(Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 210 | 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 | 200 | U |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 590 | JB |
| 206-44-0 | Fluoranthene | 170 | J |
| 92-87-5 | Benzidine | 960 | U |
| 129-00-0 | Pyrene | 150 | J |
| 85-68-7 | Butylbenzylphthalate | 270 | U |
| 56-55-3 | Benzo[a]anthracene | 210 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 120 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 120 | JB |
| 117-84-0 | Di-n-octylphthalate | 300 | U |
| 205-99-2 | Benzo[b]fluoranthene | 110 | J |
| 207-08-9 | Benzo[k]fluoranthene | 110 | J |
| 50-32-8 | Benzo[a]pyrene | 120 | J |
| 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-66

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.06

Sample wt/vol: 10.77 (g/ml) G Lab File ID: BN1735.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 12.26 decanted: (Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 20.94 | 900 | JN |
| 2. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.37 | 7300 | JN |
| 3. 000629-96-9 | 1-Eicosanol | 27.90 | 850 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-67

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.10

Sample wt/vol: 10.05 (g/ml) G Lab File ID: BN1736.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 11.84 decanted:(Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 64 | 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 | 190 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 260 | U |
| 99-09-2 | 3-Nitroaniline | 280 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-67

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.10

Sample wt/vol: 10.05 (g/ml) G Lab File ID: BN1736.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 11.84 decanted:(Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 1500 | |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 250 | JB |
| 206-44-0 | Fluoranthene | 1200 | |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 2100 | |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 760 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 390 | U |
| 218-01-9 | Chrysene | 1200 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 310 | U |
| 117-84-0 | Di-n-octylphthalate | 320 | U |
| 205-99-2 | Benzo[b]fluoranthene | 410 | |
| 207-08-9 | Benzo[k]fluoranthene | 530 | |
| 50-32-8 | Benzo[a]pyrene | 720 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 430 | |
| 53-70-3 | Dibenz[a,h]anthracene | 270 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 530 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-67

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.10

Sample wt/vol: 10.05 (g/ml) G Lab File ID: BN1736.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 11.84 decanted: (Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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. 002531-84-2 | Phenanthrene, 2-methyl- | 21.74 | 1000 | JN |
| 2. 000238-84-6 | 11H-Benzo[a]fluorene | 24.50 | 1900 | JN |
| 3. 002381-21-7 | Pyrene, 1-methyl- | 24.73 | 960 | JN |
| 4. 001599-67-3 | 1-Docosene | 26.38 | 7700 | JN |
| 5. 000629-96-9 | 1-Eicosanol | 27.89 | 960 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-68

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.13

Sample wt/vol: 10.72 (g/ml) G Lab File ID: BN1737.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 12.73 decanted:(Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 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 | 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 | 220 | 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 | 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 | 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-68

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.13

Sample wt/vol: 10.72 (g/ml) G Lab File ID: BN1737.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 12.73 decanted:(Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 200 | 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 | 320 | U |
| 85-01-8 | Phenanthrene | 170 | J |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 180 | JB |
| 206-44-0 | Fluoranthene | 140 | J |
| 92-87-5 | Benzidine | 970 | U |
| 129-00-0 | Pyrene | 200 | 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 | 180 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 300 | U |
| 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 | 260 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 260 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-68**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.13

Sample wt/vol: 10.72 (g/ml) G Lab File ID: BN1737.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 12.73 decanted: (Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.38 | 8600 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-69

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.17

Sample wt/vol: 10.84 (g/ml) G Lab File ID: BN1738.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 14.52 decanted:(Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 120 | J |
| 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 | 140 | J |
| 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-69

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.17

Sample wt/vol: 10.84 (g/ml) G Lab File ID: BN1738.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 14.52 decanted:(Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 950 | |
| 120-12-7 | Anthracene | 150 | J |
| 84-74-2 | Di-n-butylphthalate | 220 | JB |
| 206-44-0 | Fluoranthene | 1500 | |
| 92-87-5 | Benzidine | 980 | U |
| 129-00-0 | Pyrene | 1300 | |
| 85-68-7 | Butylbenzylphthalate | 270 | U |
| 56-55-3 | Benzo[a]anthracene | 700 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 370 | U |
| 218-01-9 | Chrysene | 970 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 110 | JB |
| 117-84-0 | Di-n-octylphthalate | 300 | U |
| 205-99-2 | Benzo[b]fluoranthene | 740 | |
| 207-08-9 | Benzo[k]fluoranthene | 700 | |
| 50-32-8 | Benzo[a]pyrene | 720 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 470 | |
| 53-70-3 | Dibenz[a,h]anthracene | 260 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 450 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-69

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.17

Sample wt/vol: 10.84 (g/ml) G Lab File ID: BN1738.D

Level: (low/med) LOW Date Received: 05/15/98

% Moisture: 14.52 decanted: (Y/N) N Date Extracted: 05/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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. 000057-10-3 | Hexadecanoic acid | 21.77 | 1100 | JN |
| 2. 001599-67-3 | 1-Docosene | 26.38 | 7700 | JN |
| 3. 038043-98-0 | 2-Hepten-4-one, 6-hydroxy-2-met | 27.89 | 880 | JN |
| 4. 000506-52-5 | 1-Hexacosanol | 30.95 | 1200 | JN |
| 5. | unknown | 31.96 | 870 | J |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-70

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.02

Sample wt/vol: 10.49 (g/ml) G Lab File ID: BN1788.D

Level: (low/med) LOW Date Received: 05/18/98

% Moisture: 10.78 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 200 | 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 | 320 | U |
| 85-01-8 | Phenanthrene | 210 | U |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 540 | JB |
| 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 | 300 | U |
| 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 | 260 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 260 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-70**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.02

Sample wt/vol: 10.49 (g/ml) G Lab File ID: BN1788.D

Level: (low/med) LOW Date Received: 05/18/98

% Moisture: 10.78 decanted: (Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

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. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.92 | 1100 | JN |
| 2. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.35 | 8200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-70

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.02

Sample wt/vol: 10.49 (g/ml) G Lab File ID: BN1788.D

Level: (low/med) LOW Date Received: 05/18/98

% Moisture: 10.78 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 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 | 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 | 220 | 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 | 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 | 210 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 240 | U |
| 99-09-2 | 3-Nitroaniline | 270 | U |

# FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

**DIRECTORATE OF PUBLIC WORKS**
**PHONE: (732)532-6224 FAX: (732)532-6263**
**WET-CHEM - METALS - ORGANICS - FIELD SAMPLING**
**NJDEP LABORATORY CERTIFICATION # 13461**



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: #IJN 98-0211

# M-5 Landfill
# Volume III

# Table of Contents


| Section | Page No. |
|---|---|
| Volume I | |
| Sampling | 1 |
| Chain of Custody | 2-118 |
| GPS Maps | 119-128 |
| Landfill Cover | 128A-128C |
| Boring Logs | 129-302 |
| Field Duplicate Identification | 303-304 |
| Method Summary | 305-307 |
| Case Narrative | 308-309 |
| Laboratory Chronicle | 310-341 |
| Soil Clean-Up Criteria | 342-343 |
| Qualifier Codes | 344-345 |
| Analytical Results | 346 |
| Volatiles | 347 |
| Method Blanks | 348-456 |
| Trip Blanks | 457-549 |
| Field Duplicates | 550-577 |
| Samples | 578-695 |
| Volume II | |
| Samples (Cont.) | 696-1100 |
| Semi-Volatiles | 1101 |
| Method Blanks | 1102-1186 |
| Field Duplicates | 1187-1214 |
| Samples | 1215-1430 |
| Volume III | |
| Samples (Cont.) | 1431-1744 |
| Pest/PCB's | 1745 |
| Method Blanks | 1746-1779 |
| Field Duplicates | 1780-1789 |
| Samples | 1790-1963 |
| Metals | 1964 |
| Method blanks | 1965-1973 |
| Field Duplicates | 1974-1983 |
| Samples | 1984-2157 |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-71

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.06

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN1790.D

Level: (low/med) LOW Date Received: 05/18/98

% Moisture: 9.86 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 220 | J |
| 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 | 260 | J |
| 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 | 160 | U |
| 208-96-8 | Acenaphthylene | 740 | |
| 606-20-2 | 2,6-Dinitrotoluene | 250 | U |
| 99-09-2 | 3-Nitroaniline | 270 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-71

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.06

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN1790.D

Level: (low/med) LOW Date Received: 05/18/98

% Moisture: 9.86 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 180 | J |
| 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 | 460 | |
| 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 | 3800 | |
| 120-12-7 | Anthracene | 740 | |
| 84-74-2 | Di-n-butylphthalate | 1000 | B |
| 206-44-0 | Fluoranthene | 4500 | |
| 92-87-5 | Benzidine | 990 | U |
| 129-00-0 | Pyrene | 6400 | |
| 85-68-7 | Butylbenzylphthalate | 270 | U |
| 56-55-3 | Benzo[a]anthracene | 3100 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 218-01-9 | Chrysene | 5000 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 300 | U |
| 117-84-0 | Di-n-octylphthalate | 310 | U |
| 205-99-2 | Benzo[b]fluoranthene | 2400 | |
| 207-08-9 | Benzo[k]fluoranthene | 2400 | |
| 50-32-8 | Benzo[a]pyrene | 3000 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1900 | |
| 53-70-3 | Dibenz[a,h]anthracene | 1000 | |
| 191-24-2 | Benzo[g,h,i]perylene | 2300 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-71

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.06

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN1790.D

Level: (low/med) LOW Date Received: 05/18/98

% Moisture: 9.86 decanted: (Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 24 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 | 20.92 | 2300 | JN |
| 2. | 000613-12-7 | Anthracene, 2-methyl- | 21.44 | 970 | JN |
| 3. | 000832-69-9 | Phenanthrene, 1-methyl- | 21.51 | 1400 | JN |
| 4. | 000779-02-2 | Anthracene, 9-methyl- | 21.72 | 1800 | JN |
| 5. | 000613-12-7 | Anthracene, 2-methyl- | 21.76 | 930 | JN |
| 6. | 003674-66-6 | Phenanthrene, 2,5-dimethyl- | 22.80 | 1100 | JN |
| 7. | 003674-73-5 | Phenanthrene, 2,3,5-trimethyl- | 23.91 | 1500 | JN |
| 8. | 000243-17-4 | 11H-Benzo[b]fluorene | 24.22 | 1000 | JN |
| 9. | 000238-84-6 | 11H-Benzo[a]fluorene | 24.48 | 5400 | JN |
| 10. | | unknown | 24.65 | 960 | J |
| 11. | 002381-21-7 | Pyrene, 1-methyl- | 24.71 | 2000 | JN |
| 12. | 002381-21-7 | Pyrene, 1-methyl- | 24.94 | 2100 | JN |
| 13. | 002381-21-7 | Pyrene, 1-methyl- | 25.00 | 1500 | JN |
| 14. | 000082-05-3 | 7H-Benz[de]anthracen-7-one | 25.72 | 2100 | JN |
| 15. | 064401-21-4 | Pyrene, 1,3-dimethyl- | 25.88 | 880 | JN |
| 16. | 000239-35-0 | Benzo[b]naphtho[2,1-d]thiophene | 25.95 | 1200 | JN |
| 17. | | unknown | 26.03 | 1400 | J |
| 18. | 001599-67-3 | 1-Docosene | 26.35 | 7900 | JN |
| 19. | 001705-85-7 | Chrysene, 6-methyl- | 27.50 | 2500 | JN |
| 20. | 003351-32-4 | 2-Methylchrysene | 27.59 | 980 | JN |
| 21. | 003351-32-4 | 2-Methylchrysene | 27.81 | 940 | JN |
| 22. | | unknown | 27.87 | 1400 | J |
| 23. | 000205-99-2 | Benz[e]acephenanthrylene | 29.52 | 2500 | JN |
| 24. | 000629-96-9 | 1-Eicosanol | 30.91 | 1100 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-72

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.10

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN1791.D

Level: (low/med) LOW Date Received: 05/18/98

% Moisture: 10.48 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 220 | J |
| 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 | 230 | J |
| 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-72

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.10

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN1791.D

Level: (low/med) LOW Date Received: 05/18/98

% Moisture: 10.48 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 1200 | |
| 120-12-7 | Anthracene | 130 | J |
| 84-74-2 | Di-n-butylphthalate | 820 | JB |
| 206-44-0 | Fluoranthene | 2300 | |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 2200 | |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 970 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 218-01-9 | Chrysene | 1700 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 310 | U |
| 117-84-0 | Di-n-octylphthalate | 310 | U |
| 205-99-2 | Benzo[b]fluoranthene | 1200 | |
| 207-08-9 | Benzo[k]fluoranthene | 1200 | |
| 50-32-8 | Benzo[a]pyrene | 1100 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 760 | |
| 53-70-3 | Dibenz[a,h]anthracene | 270 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 770 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-72

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.10

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BN1791.D

Level: (low/med) LOW Date Received: 05/18/98

% Moisture: 10.48 decanted: (Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

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. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.92 | 1600 | JN |
| 2. 000057-10-3 | Hexadecanoic acid | 21.74 | 1100 | JN |
| 3. 000238-84-6 | 11H-Benzo[a]fluorene | 24.48 | 990 | JN |
| 4. 000629-96-9 | 1-Eicosanol | 26.36 | 9600 | JN |
| 5. 000295-65-8 | Cyclohexadecane | 27.87 | 990 | JN |
| 6. 000629-96-9 | 1-Eicosanol | 30.91 | 2300 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-73

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.14

Sample wt/vol: 10.74 (g/ml) G Lab File ID: BN1792.D

Level: (low/med) LOW Date Received: 05/18/98

% Moisture: 11.46 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 310 | 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 | 260 | 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 | 60 | 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 | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-73

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.14

Sample wt/vol: 10.74 (g/ml) G Lab File ID: BN1792.D

Level: (low/med) LOW Date Received: 05/18/98

% Moisture: 11.46 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 180 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 200 | U |
| 100-02-7 | 4-Nitrophenol | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 200 | U |
| 84-66-2 | Diethylphthalate | 210 | 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 | 250 | |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 510 | JB |
| 206-44-0 | Fluoranthene | 330 | |
| 92-87-5 | Benzidine | 950 | U |
| 129-00-0 | Pyrene | 560 | |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 240 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 430 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 290 | U |
| 117-84-0 | Di-n-octylphthalate | 300 | U |
| 205-99-2 | Benzo[b]fluoranthene | 210 | J |
| 207-08-9 | Benzo[k]fluoranthene | 230 | |
| 50-32-8 | Benzo[a]pyrene | 260 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 210 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 250 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 220 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-73

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.14

Sample wt/vol: 10.74 (g/ml) G Lab File ID: BN1792.D

Level: (low/med) LOW Date Received: 05/18/98

% Moisture: 11.46 decanted: (Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

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. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.91 | 890 | JN |
| 2. 000057-10-3 | Hexadecanoic acid | 21.75 | 980 | JN |
| 3. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.35 | 7500 | JN |
| 4. 000629-96-9 | 1-Eicosanol | 30.91 | 1800 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-74

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.02

Sample wt/vol: 10.87 (g/ml) G Lab File ID: BN1739.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 11.95 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 310 | 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 | 210 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 260 | U |
| | 4-Methylphenol | 280 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 250 | 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 | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 170 | 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 | 310 | U |
| 87-68-3 | Hexachlorobutadiene | 260 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 290 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 60 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 200 | U |
| | 2,4,5-Trichlorophenol | 220 | U |
| 91-58-7 | 2-Chloronaphthalene | 180 | U |
| 88-74-4 | 2-Nitroaniline | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-74

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.02

Sample wt/vol: 10.87 (g/ml) G Lab File ID: BN1739.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 11.95 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 210 | U |
| 86-73-7 | Fluorene | 200 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 200 | 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 | 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 | 120 | J |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 320 | JB |
| 206-44-0 | Fluoranthene | 130 | J |
| 92-87-5 | Benzidine | 950 | U |
| 129-00-0 | Pyrene | 170 | J |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 120 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 290 | U |
| 117-84-0 | Di-n-octylphthalate | 290 | 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 | 210 | 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-74

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.02

Sample wt/vol: 10.87 (g/ml) G Lab File ID: BN1739.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 11.95 decanted: (Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000629-96-9 | 1-Eicosanol | 26.38 | 6200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-75**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.05

Sample wt/vol: 10.69 (g/ml) G Lab File ID: BN1740.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 6.85 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 330 | 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 | 290 | 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 | 250 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 250 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-75

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.05

Sample wt/vol: 10.69 (g/ml) G Lab File ID: BN1740.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 6.85 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 270 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 480 | |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 760 | JB |
| 206-44-0 | Fluoranthene | 300 | |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 510 | |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 180 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 350 | U |
| 218-01-9 | Chrysene | 300 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | J |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 110 | 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 | 200 | 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-75**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.05

Sample wt/vol: 10.69 (g/ml) G Lab File ID: BN1740.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 6.85 decanted: (Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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. 000075-85-4 | Amylene Hydrate | 3.03 | 1100 | JN |
| 2. | unknown | 6.49 | 1200 | J |
| 3. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.94 | 1000 | JN |
| 4. 000629-96-9 | 1-Eicosanol | 26.38 | 6800 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-76

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.08

Sample wt/vol: 10.87 (g/ml) G Lab File ID: BN1741.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 8.33 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 330 | 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 | 290 | 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 | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-76

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.08

Sample wt/vol: 10.87 (g/ml) G Lab File ID: BN1741.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 8.33 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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 | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 720 | |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 780 | JB |
| 206-44-0 | Fluoranthene | 500 | |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 820 | |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 310 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 350 | U |
| 218-01-9 | Chrysene | 520 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 100 | J |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 200 | J |
| 207-08-9 | Benzo[k]fluoranthene | 220 | |
| 50-32-8 | Benzo[a]pyrene | 290 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 160 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 240 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 190 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-76**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.08

Sample wt/vol: 10.87 (g/ml) G Lab File ID: BN1741.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 8.33 decanted: (Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/23/98

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. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.95 | 1100 | JN |
| 2. 001599-67-3 | 1-Docosene | 26.38 | 6700 | JN |
| 3. 000629-96-9 | 1-Eicosanol | 27.90 | 860 | JN |
| 4. 000629-96-9 | 1-Eicosanol | 30.96 | 1200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-77

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.11

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BN1800.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 12.09 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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-77

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.11

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BN1800.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 12.09 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 170 | J |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 380 | JB |
| 206-44-0 | Fluoranthene | 190 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 120 | 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 | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 310 | U |
| 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-77

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.11

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BN1800.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 12.09 decanted: (Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 001599-67-3 | 1-Docosene | 26.35 | 5400 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-78

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.14

Sample wt/vol: 10.4 (g/ml) G Lab File ID: BN1801.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 6.76 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 310 | U |
| 62-75-9 | N-nitroso-dimethylamine | 210 | U |
| 62-53-3 | Aniline | 220 | U |
| 108-95-2 | Phenol | 340 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 220 | U |
| 95-57-8 | 2-Chlorophenol | 200 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 210 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 300 | U |
| 100-51-6 | Benzyl alcohol | 280 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 210 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 260 | U |
| | 4-Methylphenol | 280 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 250 | U |
| 67-72-1 | Hexachloroethane | 220 | U |
| 98-95-3 | Nitrobenzene | 280 | 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 | 260 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 280 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 59 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 190 | U |
| | 2,4,5-Trichlorophenol | 220 | U |
| 91-58-7 | 2-Chloronaphthalene | 180 | U |
| 88-74-4 | 2-Nitroaniline | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-78

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.14

Sample wt/vol: 10.4 (g/ml) G Lab File ID: BN1801.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 6.76 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 200 | 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 | 200 | 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 | 130 | J |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 670 | JB |
| 206-44-0 | Fluoranthene | 200 | U |
| 92-87-5 | Benzidine | 930 | U |
| 129-00-0 | Pyrene | 120 | J |
| 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 | 290 | 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 | 250 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 250 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-78

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.14

Sample wt/vol: 10.4 (g/ml) G Lab File ID: BN1801.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 6.76 decanted: (Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

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. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.92 | 1100 | JN |
| 2. 000629-96-9 | 1-Eicosanol | 26.35 | 8500 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-79

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.18

Sample wt/vol: 10.4 (g/ml) G Lab File ID: BN1802.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 13.19 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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-79

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.18

Sample wt/vol: 10.4 (g/ml) G Lab File ID: BN1802.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 13.19 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 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 | 330 | U |
| 85-01-8 | Phenanthrene | 210 | U |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 600 | JB |
| 206-44-0 | Fluoranthene | 210 | 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 | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 310 | U |
| 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-79

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.18

Sample wt/vol: 10.4 (g/ml) G Lab File ID: BN1802.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 13.19 decanted: (Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.92 | 1100 | JN |
| 2. 000629-96-9 | 1-Eicosanol | 26.35 | 9300 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-80**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.22

Sample wt/vol: 10.31 (g/ml) G Lab File ID: BN1803.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 12.04 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 290 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 260 | U |
| | 2-Methylphenol | 230 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 280 | 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 | 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 | 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 | 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-80**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.22

Sample wt/vol: 10.31 (g/ml) G Lab File ID: BN1803.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 12.04 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 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 | 330 | U |
| 85-01-8 | Phenanthrene | 210 | U |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 270 | JB |
| 206-44-0 | Fluoranthene | 210 | 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 | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 310 | U |
| 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 | 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-80**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.22

Sample wt/vol: 10.31 (g/ml) G Lab File ID: BN1803.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 12.04 decanted: (Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

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. 000629-96-9 | 1-Eicosanol | 26.35 | 7400 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-81

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.26

Sample wt/vol: 10.63 (g/ml) G Lab File ID: BN1804.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 7.51 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 400 | |
| 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 | 660 | |
| 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 | 120 | J |
| 208-96-8 | Acenaphthylene | 110 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-81

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.26

Sample wt/vol: 10.63 (g/ml) G Lab File ID: BN1804.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 7.51 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 180 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 250 | |
| 100-02-7 | 4-Nitrophenol | 470 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 170 | J |
| 86-73-7 | Fluorene | 110 | J |
| 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 | 150 | J |
| 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 | 570 | |
| 120-12-7 | Anthracene | 160 | J |
| 84-74-2 | Di-n-butylphthalate | 840 | JB |
| 206-44-0 | Fluoranthene | 400 | |
| 92-87-5 | Benzidine | 920 | U |
| 129-00-0 | Pyrene | 580 | |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 300 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 350 | U |
| 218-01-9 | Chrysene | 510 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 290 | U |
| 205-99-2 | Benzo[b]fluoranthene | 180 | J |
| 207-08-9 | Benzo[k]fluoranthene | 220 | |
| 50-32-8 | Benzo[a]pyrene | 240 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 150 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 240 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 190 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-81**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.26

Sample wt/vol: 10.63 (g/ml) G Lab File ID: BN1804.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 7.51 decanted: (Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.92 | 1000 | JN |
| 2. 000629-96-9 | 1-Eicosanol | 26.35 | 6600 | JN |
| 3. 002136-70-1 | Ethanol, 2-(tetradecyloxy)- | 27.87 | 820 | JN |
| 4. 000629-96-9 | 1-Eicosanol | 30.91 | 1400 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-82

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.30

Sample wt/vol: 10.59 (g/ml) G Lab File ID: BN1805.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 6.55 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

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 | 250 | 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 | 260 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-82**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.30

Sample wt/vol: 10.59 (g/ml) G Lab File ID: BN1805.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 6.55 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

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 | 460 | 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 | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | 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 | 170 | JB |
| 206-44-0 | Fluoranthene | 200 | U |
| 92-87-5 | Benzidine | 920 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 350 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | 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-82

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.30

Sample wt/vol: 10.59 (g/ml) G Lab File ID: BN1805.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 6.55 decanted: (Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

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. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.35 | 1900 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-83

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.34

Sample wt/vol: 10.85 (g/ml) G Lab File ID: BN1806.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 7.49 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

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 | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 190 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-83

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.34

Sample wt/vol: 10.85 (g/ml) G Lab File ID: BN1806.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 7.49 decanted:(Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

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 | 170 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 290 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 180 | JB |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 900 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 240 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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-83

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.34

Sample wt/vol: 10.85 (g/ml) G Lab File ID: BN1806.D

Level: (low/med) LOW Date Received: 05/19/98

% Moisture: 7.49 decanted: (Y/N) N Date Extracted: 05/20/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

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. 019047-85-9 | Phosphonic acid, dioctadecyl est | 26.35 | 2500 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-84

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.02

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN1821.D

Level: (low/med) LOW Date Received: ~~07/20/98~~ 5/20/98

% Moisture: 8.7 decanted:(Y/N) N Date Extracted: ~~07/21/98~~ 5/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

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 | 310 | 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 | 210 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 300 | U |
| 100-51-6 | Benzyl alcohol | 280 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 210 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 260 | U |
| | 4-Methylphenol | 280 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 250 | U |
| 67-72-1 | Hexachloroethane | 220 | U |
| 98-95-3 | Nitrobenzene | 280 | U |
| 78-59-1 | Isophorone | 270 | 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 | 2300 | |
| 106-47-8 | 4-Chloroaniline | 300 | U |
| 87-68-3 | Hexachlorobutadiene | 260 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 4900 | |
| 77-47-4 | Hexachlorocyclopentadiene | 59 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 190 | U |
| | 2,4,5-Trichlorophenol | 220 | U |
| 91-58-7 | 2-Chloronaphthalene | 180 | U |
| 88-74-4 | 2-Nitroaniline | 170 | U |
| 131-11-3 | Dimethylphthalate | 160 | U |
| 208-96-8 | Acenaphthylene | 4400 | |
| 606-20-2 | 2,6-Dinitrotoluene | 240 | U |
| 99-09-2 | 3-Nitroaniline | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-84

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.02

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN1821.D

Level: (low/med) LOW Date Received: 07/20/98

% Moisture: 8.7 decanted:(Y/N) N Date Extracted: 07/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

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 | 1900 | |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 540 | |
| 100-02-7 | 4-Nitrophenol | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 210 | U |
| 86-73-7 | Fluorene | 5300 | |
| 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 | 200 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 180 | U |
| 118-74-1 | Hexachlorobenzene | 270 | U |
| 87-86-5 | Pentachlorophenol | 310 | U |
| 85-01-8 | Phenanthrene | 29000 | E |
| 120-12-7 | Anthracene | 3200 | |
| 84-74-2 | Di-n-butylphthalate | 270 | JB |
| 206-44-0 | Fluoranthene | 16000 | E |
| 92-87-5 | Benzidine | 940 | U |
| 129-00-0 | Pyrene | 30000 | E |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 13000 | E |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1000 | |
| 218-01-9 | Chrysene | 21000 | E |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 120 | J |
| 117-84-0 | Di-n-octylphthalate | 290 | U |
| 205-99-2 | Benzo[b]fluoranthene | 9200 | |
| 207-08-9 | Benzo[k]fluoranthene | 8800 | |
| 50-32-8 | Benzo[a]pyrene | 11000 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 4900 | |
| 53-70-3 | Dibenz[a,h]anthracene | 2900 | |
| 191-24-2 | Benzo[g,h,i]perylene | 5800 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-84**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.02

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN1821.D

Level: (low/med) LOW Date Received: 07/20/98

% Moisture: 8.7 decanted: (Y/N) N Date Extracted: 07/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 25 (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000090-12-0 | Naphthalene, 1-methyl- | 14.49 | 6500 | JN |
| 2. | unknown | 15.74 | 3700 | J |
| 3. 000575-41-7 | Naphthalene, 1,3-dimethyl- | 15.95 | 5300 | JN |
| 4. 000575-43-9 | Naphthalene, 1,6-dimethyl- | 15.99 | 2900 | JN |
| 5. | unknown | 16.21 | 2200 | J |
| 6. 000829-26-5 | Naphthalene, 2,3,6-trimethyl- | 17.27 | 1800 | JN |
| 7. | unknown | 17.33 | 2200 | J |
| 8. | unknown | 17.53 | 2200 | J |
| 9. | unknown | 17.74 | 1600 | J |
| 10. | unknown | 17.78 | 1600 | J |
| 11. 000613-12-7 | Anthracene, 2-methyl- | 21.49 | 1900 | JN |
| 12. 000779-02-2 | Anthracene, 9-methyl- | 21.58 | 1900 | JN |
| 13. | unknown | 21.77 | 2000 | J |
| 14. 003674-66-6 | Phenanthrene, 2,5-dimethyl- | 22.86 | 1400 | JN |
| 15. 003674-73-5 | Phenanthrene, 2,3,5-trimethyl- | 23.94 | 1900 | JN |
| 16. 002381-21-7 | Pyrene, 1-methyl- | 24.28 | 3200 | JN |
| 17. | unknown | 24.55 | 8200 | J |
| 18. | unknown | 24.78 | 3000 | J |
| 19. | unknown | 24.99 | 3400 | J |
| 20. | unknown | 25.06 | 3000 | J |
| 21. 000082-05-3 | 7H-Benz[de]anthracen-7-one | 25.77 | 2600 | JN |
| 22. 000239-35-0 | Benzo[b]naphtho[2,1-d]thiophene | 25.99 | 1500 | JN |
| 23. 000629-96-9 | 1-Eicosanol | 26.37 | 2200 | JN |
| 24. 003351-32-4 | 2-Methylchrysene | 27.54 | 2700 | JN |
| 25. | unknown | 29.56 | 3100 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-85

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.06

Sample wt/vol: 10.85 (g/ml) G Lab File ID: BN1822.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 8.05 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

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 | 330 | 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 | 290 | 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 | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-85**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.06

Sample wt/vol: 10.85 (g/ml) G Lab File ID: BN1822.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 8.05 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

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 | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 640 | JB |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 140 | J |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 120 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 110 | J |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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-85**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.06

Sample wt/vol: 10.85 (g/ml) G Lab File ID: BN1822.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 8.05 decanted: (Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/98

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 | 20.92 | 1100 | JN |
| 2. 001599-67-3 | 1-Docosene | 26.36 | 9500 | JN |
| 3. 000629-96-9 | 1-Eicosanol | 27.88 | 1100 | JN |
| 4. | unknown | 28.50 | 3600 | J |
| 5. 000629-96-9 | 1-Eicosanol | 30.91 | 2600 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-86**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.10

Sample wt/vol: 10.38 (g/ml) G Lab File ID: BN1767.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 9.26 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/24/98

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-86

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.10

Sample wt/vol: 10.38 (g/ml) G Lab File ID: BN1767.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 9.26 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/24/98

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 | 200 | U |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 870 | 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 | 150 | J |
| 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-86**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.10

Sample wt/vol: 10.38 (g/ml) G Lab File ID: BN1767.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 9.26 decanted: (Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/24/98

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. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.94 | 1100 | JN |
| 2. 000629-96-9 | 1-Eicosanol | 26.38 | 8800 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-87

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.14

Sample wt/vol: 10.86 (g/ml) G Lab File ID: BN1768.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 8.17 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/24/98

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 | 330 | 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 | 290 | 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 | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | 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 | 290 | 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 | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-87

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.14

Sample wt/vol: 10.86 (g/ml) G Lab File ID: BN1768.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 8.17 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/24/98

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 | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 660 | JB |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 910 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 160 | J |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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-87**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.14

Sample wt/vol: 10.86 (g/ml) G Lab File ID: BN1768.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 8.17 decanted: (Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/24/98

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. 001599-67-3 | 1-Docosene | 26.38 | 8400 | JN |
| 2. 000629-96-9 | 1-Eicosanol | 27.90 | 940 | JN |
| 3. 002765-11-9 | Pentadecanal- | 28.90 | 910 | JN |
| 4. 000629-96-9 | 1-Eicosanol | 29.32 | 1400 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-88

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.18

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN1939.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 14.51 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/98

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 | 220 | U |
| 62-53-3 | Aniline | 240 | U |
| 108-95-2 | Phenol | 370 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 240 | 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 | 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 | 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 | 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-88

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.18

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN1939.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 14.51 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/98

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 | 210 | 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 | 220 | U |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 290 | 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 | 390 | U |
| 218-01-9 | Chrysene | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 310 | U |
| 117-84-0 | Di-n-octylphthalate | 320 | 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 | 270 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 270 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-88

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.18

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN1939.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 14.51 decanted: (Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/98

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. 000057-10-3 | Hexadecanoic acid | 21.72 | 3000 | JN |
| 2. 000057-11-4 | Octadecanoic acid | 23.57 | 1900 | JN |
| 3. 001599-67-3 | 1-Docosene | 26.31 | 10000 | JN |
| 4. 000629-96-9 | 1-Eicosanol | 30.85 | 1800 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-89

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.22

Sample wt/vol: 10.42 (g/ml) G Lab File ID: BN1872.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 17.64 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 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 | 310 | 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 | 270 | U |
| 99-09-2 | 3-Nitroaniline | 290 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-89**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.22

Sample wt/vol: 10.42 (g/ml) G Lab File ID: BN1872.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 17.64 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 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 | 220 | U |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 970 | U |
| 206-44-0 | Fluoranthene | 230 | U |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 260 | U |
| 85-68-7 | Butylbenzylphthalate | 290 | U |
| 56-55-3 | Benzo[a]anthracene | 230 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 400 | U |
| 218-01-9 | Chrysene | 290 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 320 | U |
| 117-84-0 | Di-n-octylphthalate | 330 | U |
| 205-99-2 | Benzo[b]fluoranthene | 290 | U |
| 207-08-9 | Benzo[k]fluoranthene | 210 | U |
| 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-89

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.22

Sample wt/vol: 10.42 (g/ml) G Lab File ID: BN1872.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 17.64 decanted: (Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000112-92-5 | 1-Octadecanol | 26.33 | 8600 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. **B-90**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.26

Sample wt/vol: 10.78 (g/ml) G Lab File ID: BN1773.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 13.72 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/24/98

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 | 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 | 130 | J |
| 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 | 170 | J |
| 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-90**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.26

Sample wt/vol: 10.78 (g/ml) G Lab File ID: BN1773.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 13.72 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/24/98

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 | 480 | |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 510 | JB |
| 206-44-0 | Fluoranthene | 480 | |
| 92-87-5 | Benzidine | 970 | U |
| 129-00-0 | Pyrene | 840 | |
| 85-68-7 | Butylbenzylphthalate | 270 | U |
| 56-55-3 | Benzo[a]anthracene | 360 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 370 | U |
| 218-01-9 | Chrysene | 590 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 120 | J |
| 117-84-0 | Di-n-octylphthalate | 300 | U |
| 205-99-2 | Benzo[b]fluoranthene | 250 | J |
| 207-08-9 | Benzo[k]fluoranthene | 340 | |
| 50-32-8 | Benzo[a]pyrene | 410 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 260 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 230 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-90

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.26

Sample wt/vol: 10.78 (g/ml) G Lab File ID: BN1773.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 13.72 decanted: (Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/24/98

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. 000629-96-9 | 1-Eicosanol | 26.38 | 8500 | JN |
| 2. 000112-92-5 | 1-Octadecanol | 30.96 | 1600 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-91**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.30

Sample wt/vol: 10.94 (g/ml) G Lab File ID: BN1774.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 7.97 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/24/98

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 | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 230 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | U |
| 67-72-1 | Hexachloroethane | 210 | U |
| 98-95-3 | Nitrobenzene | 270 | U |
| 78-59-1 | Isophorone | 250 | U |
| 88-75-5 | 2-Nitrophenol | 170 | U |
| 105-67-9 | 2,4-Dimethylphenol | 290 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 160 | U |
| 65-85-0 | Benzoic Acid | 990 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 190 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 160 | U |
| 131-11-3 | Dimethylphthalate | 150 | U |
| 208-96-8 | Acenaphthylene | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-91

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.30

Sample wt/vol: 10.94 (g/ml) G Lab File ID: BN1774.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 7.97 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/24/98

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 | 170 | U |
| 51-28-5 | 2,4-Dinitrophenol | 990 | U |
| 132-64-9 | Dibenzofuran | 180 | U |
| 100-02-7 | 4-Nitrophenol | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 180 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 990 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 290 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 320 | JB |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 900 | U |
| 129-00-0 | Pyrene | 220 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 190 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 110 | J |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 240 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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-91**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.30

Sample wt/vol: 10.94 (g/ml) G Lab File ID: BN1774.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 7.97 decanted: (Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/24/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 001454-85-9 | 1-Heptadecanol | 26.38 | 8400 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-92

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.34

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN1873.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 8.41 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 310 | U |
| 62-75-9 | N-nitroso-dimethylamine | 210 | U |
| 62-53-3 | Aniline | 230 | U |
| 108-95-2 | Phenol | 340 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 220 | U |
| 95-57-8 | 2-Chlorophenol | 200 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 210 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 300 | U |
| 100-51-6 | Benzyl alcohol | 280 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 210 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 260 | U |
| | 4-Methylphenol | 280 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 250 | U |
| 67-72-1 | Hexachloroethane | 220 | U |
| 98-95-3 | Nitrobenzene | 280 | 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 | 260 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 280 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 59 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 190 | U |
| | 2,4,5-Trichlorophenol | 220 | U |
| 91-58-7 | 2-Chloronaphthalene | 180 | U |
| 88-74-4 | 2-Nitroaniline | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-92

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.34

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN1873.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 8.41 decanted:(Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 590 | |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 640 | |
| 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 | 1100 | |
| 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 | 200 | 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 | 3300 | |
| 84-74-2 | Di-n-butylphthalate | 280 | JB |
| 206-44-0 | Fluoranthene | 200 | U |
| 92-87-5 | Benzidine | 940 | U |
| 129-00-0 | Pyrene | 11000 | |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 7200 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 9700 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 290 | U |
| 117-84-0 | Di-n-octylphthalate | 290 | U |
| 205-99-2 | Benzo[b]fluoranthene | 5600 | |
| 207-08-9 | Benzo[k]fluoranthene | 3900 | |
| 50-32-8 | Benzo[a]pyrene | 5300 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 3000 | |
| 53-70-3 | Dibenz[a,h]anthracene | 640 | |
| 191-24-2 | Benzo[g,h,i]perylene | 2800 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-92

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.34

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN1873.D

Level: (low/med) LOW Date Received: 05/20/98

% Moisture: 8.41 decanted: (Y/N) N Date Extracted: 05/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 23 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 000086-74-8 | Carbazole | 20.82 | 1400 | JN |
| 2. | 000613-12-7 | Anthracene, 2-methyl- | 21.43 | 840 | JN |
| 3. | 000613-12-7 | Anthracene, 2-methyl- | 21.49 | 1100 | JN |
| 4. | 000203-64-5 | 4H-Cyclopenta[def]phenanthrene | 21.69 | 2200 | JN |
| 5. | | unknown | 23.00 | 920 | J |
| 6. | 000243-42-5 | Benzo[b]naphtho[2,3-d]furan | 23.80 | 970 | JN |
| 7. | 000243-42-5 | Benzo[b]naphtho[2,3-d]furan | 23.94 | 1200 | JN |
| 8. | 000238-84-6 | 11H-Benzo[a]fluorene | 24.47 | 4700 | JN |
| 9. | 000243-17-4 | 11H-Benzo[b]fluorene | 24.62 | 2200 | JN |
| 10. | 002381-21-7 | Pyrene, 1-methyl- | 24.70 | 1600 | JN |
| 11. | | unknown | 24.74 | 1400 | J |
| 12. | 000082-05-3 | 7H-Benz[de]anthracen-7-one | 25.70 | 1200 | JN |
| 13. | | unknown | 26.02 | 1800 | J |
| 14. | 000082-05-3 | 7H-Benz[de]anthracen-7-one | 26.20 | 1200 | JN |
| 15. | 001599-67-3 | 1-Docosene | 26.34 | 11000 | JN |
| 16. | 000630-06-8 | Hexatriacontane | 27.11 | 1400 | JN |
| 17. | 001705-85-7 | Chrysene, 6-methyl- | 27.48 | 1200 | JN |
| 18. | | unknown | 27.85 | 2700 | J |
| 19. | 000207-08-9 | Benzo[k]fluoranthene | 29.15 | 1500 | JN |
| 20. | 000544-76-3 | Hexadecane | 29.23 | 1700 | JN |
| 21. | 000198-55-0 | Perylene | 29.51 | 3100 | JN |
| 22. | 000112-95-8 | Eicosane | 30.79 | 1100 | JN |
| 23. | 000112-92-5 | 1-Octadecanol | 30.89 | 1500 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-93

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.02

Sample wt/vol: 10.67 (g/ml) G Lab File ID: BN1863.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 12.06 decanted:(Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 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 | 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 | 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-93

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.02

Sample wt/vol: 10.67 (g/ml) G Lab File ID: BN1863.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 12.06 decanted:(Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 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 | 200 | 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 | 470 | JB |
| 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 | 300 | U |
| 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-93

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.02

Sample wt/vol: 10.67 (g/ml) G Lab File ID: BN1863.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 12.06 decanted: (Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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. 001599-67-3 | 1-Docosene | 26.34 | 7100 | JN |
| 2. 006624-79-9 | 1-Dotriacontanol | 27.85 | 1100 | JN |
| 3. 002765-11-9 | Pentadecanal- | 28.84 | 880 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-94

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.06

Sample wt/vol: 10.76 (g/ml) G Lab File ID: BN1866.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 8.45 decanted:(Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 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 | 250 | 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 | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-94

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.06

Sample wt/vol: 10.76 (g/ml) G Lab File ID: BN1866.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 8.45 decanted:(Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 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 | 270 | JB |
| 206-44-0 | Fluoranthene | 200 | U |
| 92-87-5 | Benzidine | 920 | U |
| 129-00-0 | Pyrene | 230 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 350 | U |
| 218-01-9 | Chrysene | 250 | 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 | 180 | 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-94

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.06

Sample wt/vol: 10.76 (g/ml) G Lab File ID: BN1866.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 8.45 decanted: (Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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. 000112-88-9 | 1-Octadecene | 26.33 | 6400 | JN |
| 2. | unknown | 28.38 | 3100 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-95

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.10

Sample wt/vol: 10.9 (g/ml) G Lab File ID: BN1867.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 11.29 decanted:(Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 310 | U |
| 62-75-9 | N-nitroso-dimethylamine | 210 | U |
| 62-53-3 | Aniline | 230 | U |
| 108-95-2 | Phenol | 340 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 220 | U |
| 95-57-8 | 2-Chlorophenol | 200 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 210 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 300 | U |
| 100-51-6 | Benzyl alcohol | 280 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 210 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 260 | U |
| | 4-Methylphenol | 280 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 250 | U |
| 67-72-1 | Hexachloroethane | 220 | U |
| 98-95-3 | Nitrobenzene | 280 | 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 | 260 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 280 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 59 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 190 | U |
| | 2,4,5-Trichlorophenol | 220 | U |
| 91-58-7 | 2-Chloronaphthalene | 180 | U |
| 88-74-4 | 2-Nitroaniline | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-95

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.10

Sample wt/vol: 10.9 (g/ml) G Lab File ID: BN1867.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 11.29 decanted:(Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 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 | 200 | 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 | 200 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 180 | U |
| 118-74-1 | Hexachlorobenzene | 270 | U |
| 87-86-5 | Pentachlorophenol | 310 | U |
| 85-01-8 | Phenanthrene | 200 | U |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 860 | U |
| 206-44-0 | Fluoranthene | 200 | U |
| 92-87-5 | Benzidine | 940 | 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 | 360 | U |
| 218-01-9 | Chrysene | 260 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 290 | 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 | 250 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 250 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-95

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.10

Sample wt/vol: 10.9 (g/ml) G Lab File ID: BN1867.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 11.29 decanted: (Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 25 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 000057-10-3 | Hexadecanoic acid | 21.87 | 27000 | JN |
| 2. | 000112-80-1 | Oleic Acid | 23.57 | 63000 | JN |
| 3. | 000057-11-4 | Octadecanoic acid | 23.74 | 22000 | JN |
| 4. | 001120-07-6 | Nonanamide | 23.91 | 2600 | JN |
| 5. | 000086-20-4 | 9H-Carbazole, 9-ethyl-3-nitro- | 24.46 | 7700 | JN |
| 6. | 055683-21-1 | 2-Cyclopenten-1-one, 3,4,5-trime | 25.20 | 4600 | JN |
| 7. | 006363-87-7 | 1-Aminoanthraquinone-2-carboxa | 25.33 | 1400 | JN |
| 8. | 001740-19-8 | 1-Phenanthrenecarboxylic acid, 1 | 25.42 | 6200 | JN |
| 9. | 000087-62-7 | Benzenamine, 2,6-dimethyl- | 25.65 | 2000 | JN |
| 10. | | unknown | 26.05 | 8700 | J |
| 11. | 004090-62-4 | 9H-Xanthen-9-one, 1-hydroxy-3,5 | 26.72 | 6300 | JN |
| 12. | 000699-22-9 | 1H-Pyrrole, 1-pentyl- | 28.83 | 1500 | JN |
| 13. | 000629-78-7 | Heptadecane | 29.24 | 1400 | JN |
| 14. | 074630-16-3 | Phosphonous dichloride, (1,7,7-tr | 29.38 | 1900 | JN |
| 15. | 006673-69-4 | 5.alpha.-Ergost-8(14)-ene | 29.98 | 3700 | JN |
| 16. | 000481-21-0 | Cholestane | 30.12 | 3100 | JN |
| 17. | 019594-90-2 | A-Norcholestan-3-one, 5-ethenyl- | 30.33 | 2800 | JN |
| 18. | 095884-24-5 | 1-Phenyl-3-benzoyl-4-hydroxy-5- | 30.49 | 5100 | JN |
| 19. | 019594-90-2 | A-Norcholestan-3-one, 5-ethenyl- | 30.78 | 22000 | JN |
| 20. | 019594-90-2 | A-Norcholestan-3-one, 5-ethenyl- | 30.90 | 14000 | JN |
| 21. | 003745-36-6 | 5.beta.-Podocarpa-8,11,13-trien- | 31.08 | 3300 | JN |
| 22. | 054494-06-3 | 3,9-Dioxa-2,10-disilaundecane, 2 | 31.33 | 3200 | JN |
| 23. | 000079-70-9 | .beta.-Methylionone | 31.93 | 4900 | JN |
| 24. | 055401-75-7 | Anthracene, 9-dodecyltetradecah | 32.35 | 1400 | JN |
| 25. | 072101-33-8 | 1,1'-Biphenyl, ar-methoxy-ar'-(2,2 | 32.59 | 4000 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-96

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.14

Sample wt/vol: 10.66 (g/ml) G Lab File ID: BN1868.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 11.19 decanted:(Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 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 | 60 | 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-96

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.14

Sample wt/vol: 10.66 (g/ml) G Lab File ID: BN1868.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 11.19 decanted:(Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 180 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 200 | U |
| 100-02-7 | 4-Nitrophenol | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 200 | U |
| 84-66-2 | Diethylphthalate | 210 | 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 | 200 | U |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 430 | JB |
| 206-44-0 | Fluoranthene | 200 | 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 | 360 | U |
| 218-01-9 | Chrysene | 270 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 290 | U |
| 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-96**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.14

Sample wt/vol: 10.66 (g/ml) G Lab File ID: BN1868.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 11.19 decanted: (Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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. 001599-67-3 | 1-Docosene | 26.34 | 7700 | JN |
| 2. | unknown | 31.90 | 1000 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-97

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.18

Sample wt/vol: 10.69 (g/ml) G Lab File ID: BN1869.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 1.85 decanted:(Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 280 | U |
| 62-75-9 | N-nitroso-dimethylamine | 190 | U |
| 62-53-3 | Aniline | 210 | U |
| 108-95-2 | Phenol | 320 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 200 | U |
| 95-57-8 | 2-Chlorophenol | 180 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 200 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 280 | U |
| 100-51-6 | Benzyl alcohol | 250 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 220 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 240 | U |
| | 4-Methylphenol | 250 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 230 | U |
| 67-72-1 | Hexachloroethane | 200 | U |
| 98-95-3 | Nitrobenzene | 260 | U |
| 78-59-1 | Isophorone | 240 | U |
| 88-75-5 | 2-Nitrophenol | 160 | U |
| 105-67-9 | 2,4-Dimethylphenol | 280 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 110 | U |
| 120-83-2 | 2,4-Dichlorophenol | 150 | U |
| 65-85-0 | Benzoic Acid | 950 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 250 | U |
| 91-20-3 | Naphthalene | 230 | U |
| 106-47-8 | 4-Chloroaniline | 280 | U |
| 87-68-3 | Hexachlorobutadiene | 240 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 190 | U |
| 91-57-6 | 2-Methylnaphthalene | 260 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 54 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 180 | U |
| | 2,4,5-Trichlorophenol | 200 | U |
| 91-58-7 | 2-Chloronaphthalene | 170 | U |
| 88-74-4 | 2-Nitroaniline | 160 | U |
| 131-11-3 | Dimethylphthalate | 140 | U |
| 208-96-8 | Acenaphthylene | 180 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 220 | U |
| 99-09-2 | 3-Nitroaniline | 240 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-97

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.18

Sample wt/vol: 10.69 (g/ml) G Lab File ID: BN1869.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 1.85 decanted:(Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 170 | U |
| 51-28-5 | 2,4-Dinitrophenol | 950 | U |
| 132-64-9 | Dibenzofuran | 180 | U |
| 100-02-7 | 4-Nitrophenol | 440 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 180 | U |
| 84-66-2 | Diethylphthalate | 190 | U |
| 86-73-7 | Fluorene | 180 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 180 | U |
| 100-01-6 | 4-Nitroaniline | 270 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 950 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 170 | U |
| 103-33-3 | Azobenzene | 180 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 160 | U |
| 118-74-1 | Hexachlorobenzene | 250 | U |
| 87-86-5 | Pentachlorophenol | 280 | U |
| 85-01-8 | Phenanthrene | 180 | U |
| 120-12-7 | Anthracene | 180 | U |
| 84-74-2 | Di-n-butylphthalate | 730 | JB |
| 206-44-0 | Fluoranthene | 240 | |
| 92-87-5 | Benzidine | 860 | U |
| 129-00-0 | Pyrene | 160 | J |
| 85-68-7 | Butylbenzylphthalate | 240 | U |
| 56-55-3 | Benzo[a]anthracene | 120 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 330 | U |
| 218-01-9 | Chrysene | 170 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 100 | J |
| 117-84-0 | Di-n-octylphthalate | 270 | U |
| 205-99-2 | Benzo[b]fluoranthene | 110 | J |
| 207-08-9 | Benzo[k]fluoranthene | 170 | U |
| 50-32-8 | Benzo[a]pyrene | 110 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 190 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 230 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 230 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-97

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.18

Sample wt/vol: 10.69 (g/ml) G Lab File ID: BN1869.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 1.85 decanted: (Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.90 | 1500 | JN |
| 2. 001599-67-3 | 1-Docosene | 26.34 | 6000 | JN |
| 3. 007320-37-8 | Oxirane, tetradecyl- | 28.85 | 1200 | JN |
| 4. 000544-85-4 | Dotriacontane | 29.23 | 930 | JN |
| 5. 019047-85-9 | Phosphonic acid, dioctadecyl est | 29.28 | 990 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-98

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.22

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BN1870.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 17.73 decanted:(Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 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 | 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 | 290 | 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-98

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.22

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BN1870.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 17.73 decanted:(Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

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 | 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 | 230 | 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 | 230 | 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 | 160 | J |
| 120-12-7 | Anthracene | 230 | U |
| 84-74-2 | Di-n-butylphthalate | 500 | JB |
| 206-44-0 | Fluoranthene | 210 | J |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 200 | J |
| 85-68-7 | Butylbenzylphthalate | 300 | U |
| 56-55-3 | Benzo[a]anthracene | 140 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 410 | U |
| 218-01-9 | Chrysene | 290 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 330 | U |
| 117-84-0 | Di-n-octylphthalate | 330 | U |
| 205-99-2 | Benzo[b]fluoranthene | 160 | J |
| 207-08-9 | Benzo[k]fluoranthene | 220 | U |
| 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-98**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.22

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BN1870.D

Level: (low/med) LOW Date Received: 05/21/98

% Moisture: 17.73 decanted: (Y/N) N Date Extracted: 05/22/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 001599-67-3 | 1-Docosene | 26.33 | 8500 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-99

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No: 3593 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.02

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN1836.D

Level: (low/med) LOW Date Received: 05/26/98

% Moisture: 10.16 decanted:(Y/N) N Date Extracted: 05/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/03/98

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 3100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 2100 | U |
| 62-53-3 | Aniline | 2300 | U |
| 108-95-2 | Phenol | 3500 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 2200 | U |
| 95-57-8 | 2-Chlorophenol | 2000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 2200 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 3100 | U |
| 100-51-6 | Benzyl alcohol | 2800 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 2500 | U |
| | 2-Methylphenol | 2200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 2600 | U |
| | 4-Methylphenol | 2800 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 2600 | U |
| 67-72-1 | Hexachloroethane | 2200 | U |
| 98-95-3 | Nitrobenzene | 2800 | U |
| 78-59-1 | Isophorone | 2700 | U |
| 88-75-5 | 2-Nitrophenol | 1800 | U |
| 105-67-9 | 2,4-Dimethylphenol | 3100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1300 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1700 | U |
| 65-85-0 | Benzoic Acid | 11000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 2800 | U |
| 91-20-3 | Naphthalene | 2600 | U |
| 106-47-8 | 4-Chloroaniline | 3100 | U |
| 87-68-3 | Hexachlorobutadiene | 2600 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 2100 | U |
| 91-57-6 | 2-Methylnaphthalene | 2900 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 600 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 2000 | U |
| | 2,4,5-Trichlorophenol | 2200 | U |
| 91-58-7 | 2-Chloronaphthalene | 1900 | U |
| 88-74-4 | 2-Nitroaniline | 1700 | U |
| 131-11-3 | Dimethylphthalate | 1600 | U |
| 208-96-8 | Acenaphthylene | 2000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 2400 | U |
| 99-09-2 | 3-Nitroaniline | 2600 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-99

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No: 3593 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.02

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN1836.D

Level: (low/med) LOW Date Received: 05/26/98

% Moisture: 10.16 decanted:(Y/N) N Date Extracted: 05/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/03/98

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1800 | U |
| 51-28-5 | 2,4-Dinitrophenol | 11000 | U |
| 132-64-9 | Dibenzofuran | 2000 | U |
| 100-02-7 | 4-Nitrophenol | 4800 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 2000 | U |
| 84-66-2 | Diethylphthalate | 2100 | U |
| 86-73-7 | Fluorene | 2000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 2000 | U |
| 100-01-6 | 4-Nitroaniline | 3000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 11000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1900 | U |
| 103-33-3 | Azobenzene | 2000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1800 | U |
| 118-74-1 | Hexachlorobenzene | 2800 | U |
| 87-86-5 | Pentachlorophenol | 3100 | U |
| 85-01-8 | Phenanthrene | 2000 | U |
| 120-12-7 | Anthracene | 2000 | U |
| 84-74-2 | Di-n-butylphthalate | 8800 | U |
| 206-44-0 | Fluoranthene | 2000 | U |
| 92-87-5 | Benzidine | 9500 | U |
| 129-00-0 | Pyrene | 2400 | U |
| 85-68-7 | Butylbenzylphthalate | 2600 | U |
| 56-55-3 | Benzo[a]anthracene | 2100 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 3600 | U |
| 218-01-9 | Chrysene | 2600 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 2900 | U |
| 117-84-0 | Di-n-octylphthalate | 3000 | U |
| 205-99-2 | Benzo[b]fluoranthene | 2600 | U |
| 207-08-9 | Benzo[k]fluoranthene | 1900 | U |
| 50-32-8 | Benzo[a]pyrene | 2000 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 2100 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 2500 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 2500 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-99

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No: 3593 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.02

Sample wt/vol: 10.57 (g/ml) G Lab File ID: BN1836.D

Level: (low/med) LOW Date Received: 05/26/98

% Moisture: 10.16 decanted: (Y/N) N Date Extracted: 05/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/03/98

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

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. 001740-19-8 | 1-Phenanthrenecarboxylic acid, 1 | 25.42 | 9600 | JND |
| 2. 000630-03-5 | Nonacosane | 25.58 | 9300 | JND |
| 3. | unknown | 25.95 | 12000 | JD |
| 4. 001740-19-8 | 1-Phenanthrenecarboxylic acid, 1 | 26.26 | 25000 | JND |
| 5. 007098-22-8 | Tetratetracontane | 26.37 | 21000 | JND |
| 6. 007225-64-1 | Heptadecane, 9-octyl- | 27.13 | 10000 | JND |
| 7. 000544-85-4 | Dotriacontane | 27.86 | 9400 | JND |
| 8. 000630-03-5 | Nonacosane | 28.56 | 9000 | JND |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-158**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.12

Sample wt/vol: 10.87 (g/ml) G Lab File ID: BNA00242.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 6.12 decanted:(Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

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 | 290 | U |
| 62-75-9 | N-nitroso-dimethylamine | 200 | U |
| 62-53-3 | Aniline | 210 | U |
| 108-95-2 | Phenol | 330 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 210 | U |
| 95-57-8 | 2-Chlorophenol | 190 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 200 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 290 | U |
| 100-51-6 | Benzyl alcohol | 260 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 230 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 260 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | U |
| 67-72-1 | Hexachloroethane | 210 | U |
| 98-95-3 | Nitrobenzene | 260 | U |
| 78-59-1 | Isophorone | 250 | U |
| 88-75-5 | 2-Nitrophenol | 160 | U |
| 105-67-9 | 2,4-Dimethylphenol | 290 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 150 | U |
| 65-85-0 | Benzoic Acid | 490 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 240 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 190 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 56 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 180 | U |
| | 2,4,5-Trichlorophenol | 210 | U |
| 91-58-7 | 2-Chloronaphthalene | 170 | U |
| 88-74-4 | 2-Nitroaniline | 160 | U |
| 131-11-3 | Dimethylphthalate | 150 | U |
| 208-96-8 | Acenaphthylene | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 220 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-158**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.12

Sample wt/vol: 10.87 (g/ml) G Lab File ID: BNA00242.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 6.12 decanted:(Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

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 | 170 | U |
| 51-28-5 | 2,4-Dinitrophenol | 490 | U |
| 132-64-9 | Dibenzofuran | 180 | U |
| 100-02-7 | 4-Nitrophenol | 450 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 180 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 180 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 490 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 290 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 230 | JB |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 890 | U |
| 129-00-0 | Pyrene | 220 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 190 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 270 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 240 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 180 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 230 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 230 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-158**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.12

Sample wt/vol: 10.87 (g/ml) G Lab File ID: BNA00242.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 6.12 decanted: (Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 5.80 | 1700 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-159**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.16

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BNA00243.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 11.63 decanted:(Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

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 | 220 | U |
| 62-53-3 | Aniline | 240 | U |
| 108-95-2 | Phenol | 370 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 240 | 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 | 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 | 560 | 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 | 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-159**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.16

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BNA00243.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 11.63 decanted:(Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

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 | 560 | 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 | 560 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 210 | 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 | 220 | U |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 210 | 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 | 390 | U |
| 218-01-9 | Chrysene | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 310 | U |
| 117-84-0 | Di-n-octylphthalate | 320 | 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 | 270 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 270 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-159

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.16

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BNA00243.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 11.63 decanted: (Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 5.83 | 1600 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-160**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.19

Sample wt/vol: 10.73 (g/ml) G Lab File ID: BNA00244.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 11.12 decanted:(Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

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 | 310 | 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 | 210 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 260 | 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 | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 170 | U |
| 65-85-0 | Benzoic Acid | 520 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 270 | 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 | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 290 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 60 | 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 | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-160**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.19

Sample wt/vol: 10.73 (g/ml) G Lab File ID: BNA00244.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 11.12 decanted:(Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

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 | 520 | U |
| 132-64-9 | Dibenzofuran | 200 | U |
| 100-02-7 | 4-Nitrophenol | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 200 | U |
| 84-66-2 | Diethylphthalate | 210 | 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 | 520 | 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 | 200 | U |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 900 | B |
| 206-44-0 | Fluoranthene | 300 | |
| 92-87-5 | Benzidine | 950 | U |
| 129-00-0 | Pyrene | 400 | |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 150 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 340 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 290 | U |
| 117-84-0 | Di-n-octylphthalate | 300 | U |
| 205-99-2 | Benzo[b]fluoranthene | 140 | 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 | 210 | 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-160**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.19

Sample wt/vol: 10.73 (g/ml) G Lab File ID: BNA00244.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 11.12 decanted: (Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.26 | 1200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-161**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.22

Sample wt/vol: 10.37 (g/ml) G Lab File ID: BNA00245.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 7.14 decanted:(Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

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 | 310 | 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 | 210 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 300 | U |
| 100-51-6 | Benzyl alcohol | 280 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 250 | U |
| | 2-Methylphenol | 210 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 260 | U |
| | 4-Methylphenol | 280 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 250 | U |
| 67-72-1 | Hexachloroethane | 220 | U |
| 98-95-3 | Nitrobenzene | 280 | U |
| 78-59-1 | Isophorone | 270 | 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 | 520 | 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 | 260 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 280 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 59 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 200 | U |
| | 2,4,5-Trichlorophenol | 220 | U |
| 91-58-7 | 2-Chloronaphthalene | 180 | U |
| 88-74-4 | 2-Nitroaniline | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-161**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.22

Sample wt/vol: 10.37 (g/ml) G Lab File ID: BNA00245.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 7.14 decanted:(Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

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 | 520 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 210 | U |
| 86-73-7 | Fluorene | 200 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 200 | U |
| 100-01-6 | 4-Nitroaniline | 290 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 520 | 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 | 270 | U |
| 87-86-5 | Pentachlorophenol | 310 | U |
| 85-01-8 | Phenanthrene | 200 | U |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 180 | JB |
| 206-44-0 | Fluoranthene | 200 | U |
| 92-87-5 | Benzidine | 940 | 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 | 360 | U |
| 218-01-9 | Chrysene | 260 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 290 | 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 | 250 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 250 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-161**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.22

Sample wt/vol: 10.37 (g/ml) G Lab File ID: BNA00245.D

Level: (low/med) LOW Date Received: 06/18/98

% Moisture: 7.14 decanted: (Y/N) N Date Extracted: 06/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-162**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.04

Sample wt/vol: 10.19 (g/ml) G Lab File ID: BNA00266.D

Level: (low/med) LOW Date Received: 06/26/98

% Moisture: 21.62 decanted:(Y/N) N Date Extracted: 06/29/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/98

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 | 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 | 370 | U |
| 100-51-6 | Benzyl alcohol | 330 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 300 | 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 | 310 | U |
| 67-72-1 | Hexachloroethane | 260 | U |
| 98-95-3 | Nitrobenzene | 340 | U |
| 78-59-1 | Isophorone | 320 | U |
| 88-75-5 | 2-Nitrophenol | 210 | U |
| 105-67-9 | 2,4-Dimethylphenol | 370 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 150 | U |
| 120-83-2 | 2,4-Dichlorophenol | 200 | U |
| 65-85-0 | Benzoic Acid | 630 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 330 | U |
| 91-20-3 | Naphthalene | 310 | U |
| 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 | 340 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 71 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 240 | 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 | 290 | U |
| 99-09-2 | 3-Nitroaniline | 310 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-162

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.04

Sample wt/vol: 10.19 (g/ml) G Lab File ID: BNA00266.D

Level: (low/med) LOW Date Received: 06/26/98

% Moisture: 21.62 decanted:(Y/N) N Date Extracted: 06/29/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/98

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 | 630 | 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 | 240 | U |
| 100-01-6 | 4-Nitroaniline | 350 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 630 | 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 | 460 | 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 | 250 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 430 | U |
| 218-01-9 | Chrysene | 310 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 350 | U |
| 117-84-0 | Di-n-octylphthalate | 350 | U |
| 205-99-2 | Benzo[b]fluoranthene | 310 | 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 | 260 | 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-162

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.04

Sample wt/vol: 10.19 (g/ml) G Lab File ID: BNA00266.D

Level: (low/med) LOW Date Received: 06/26/98

% Moisture: 21.62 decanted: (Y/N) N Date Extracted: 06/29/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-163

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.07

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BNA00267.D

Level: (low/med) LOW Date Received: 06/26/98

% Moisture: 14.2 decanted:(Y/N) N Date Extracted: 06/29/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/98

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 | 550 | 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-163

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.07

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BNA00267.D

Level: (low/med) LOW Date Received: 06/26/98

% Moisture: 14.2 decanted:(Y/N) N Date Extracted: 06/29/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/98

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 | 550 | 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 | 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 | 550 | 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 | 230 | |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 1100 | B |
| 206-44-0 | Fluoranthene | 830 | |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 1100 | |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 590 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 380 | U |
| 218-01-9 | Chrysene | 1100 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 13000 | |
| 117-84-0 | Di-n-octylphthalate | 310 | U |
| 205-99-2 | Benzo[b]fluoranthene | 610 | |
| 207-08-9 | Benzo[k]fluoranthene | 630 | |
| 50-32-8 | Benzo[a]pyrene | 530 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 290 | |
| 53-70-3 | Dibenz[a,h]anthracene | 260 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 310 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-163

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.07

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BNA00267.D

Level: (low/med) LOW Date Received: 06/26/98

% Moisture: 14.2 decanted: (Y/N) N Date Extracted: 06/29/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/98

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. 000088-19-7 | Benzenesulfonamide, 2-methyl- | 17.70 | 920 | JN |
| 2. 000070-55-3 | Benzenesulfonamide, 4-methyl- | 18.17 | 1300 | JN |
| 3. | unknown | 26.16 | 6100 | J |
| 4. 000629-78-7 | Heptadecane | 27.32 | 900 | JN |
| 5. 000629-78-7 | Heptadecane | 28.03 | 2000 | JN |
| 6. 000000-00-0 | 1-Hexacosanal | 28.31 | 1300 | JN |
| 7. 000646-31-1 | Tetracosane | 29.40 | 1400 | JN |
| 8. 000638-66-4 | Octadecanal | 29.73 | 2000 | JN |
| 9. 000630-06-8 | Hexatriacontane | 30.16 | 2600 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-164**

Lab Name: FMETL NJDEP: 13641

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.10

Sample wt/vol: 10.3 (g/ml) G Lab File ID: BNA00268.D

Level: (low/med) LOW Date Received: 06/26/98

% Moisture: 7.21 decanted:(Y/N) N Date Extracted: 06/29/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/98

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 | 310 | 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 | 210 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 260 | 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 | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 170 | U |
| 65-85-0 | Benzoic Acid | 520 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 270 | 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 | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 290 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 60 | 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 | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-164

Lab Name: FMETL NJDEP: 13641

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.10

Sample wt/vol: 10.3 (g/ml) G Lab File ID: BNA00268.D

Level: (low/med) LOW Date Received: 06/26/98

% Moisture: 7.21 decanted:(Y/N) N Date Extracted: 06/29/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/98

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 | 520 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 210 | 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 | 520 | 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 | 200 | U |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 380 | JB |
| 206-44-0 | Fluoranthene | 200 | U |
| 92-87-5 | Benzidine | 950 | U |
| 129-00-0 | Pyrene | 240 | U |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 210 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 260 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 290 | U |
| 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 | 210 | 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-164

Lab Name: FMETL NJDEP: 13641

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.10

Sample wt/vol: 10.3 (g/ml) G Lab File ID: BNA00268.D

Level: (low/med) LOW Date Received: 06/26/98

% Moisture: 7.21 decanted: (Y/N) N Date Extracted: 06/29/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000112-95-8 | Eicosane | 28.72 | 940 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**B-165**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.02

Sample wt/vol: 9.95 (g/ml) G Lab File ID: BNA00282.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 8.78 decanted:(Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/98

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 | 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 | 290 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 260 | U |
| | 2-Methylphenol | 230 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 280 | 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 | 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 | 170 | U |
| 65-85-0 | Benzoic Acid | 550 | 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 | 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-165**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.02

Sample wt/vol: 9.95 (g/ml) G Lab File ID: BNA00282.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 8.78 decanted:(Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/98

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 | 190 | U |
| 51-28-5 | 2,4-Dinitrophenol | 550 | U |
| 132-64-9 | Dibenzofuran | 200 | U |
| 100-02-7 | 4-Nitrophenol | 510 | 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 | 550 | 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 | 240 | JB |
| 206-44-0 | Fluoranthene | 210 | U |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 110 | 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 | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 310 | U |
| 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 | 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-165**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.02

Sample wt/vol: 9.95 (g/ml) G Lab File ID: BNA00282.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 8.78 decanted: (Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/98

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 | 5.79 | 900 | J |
| 2. 000084-64-0 | 1,2-Benzenedicarboxylic acid, bu | 20.26 | 1200 | JN |
| 3. 000630-06-8 | Hexatriacontane | 28.72 | 890 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-166

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.06

Sample wt/vol: 10.69 (g/ml) G Lab File ID: BNA00292.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 11.65 decanted:(Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/07/98

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 | 530 | 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 | 60 | 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-166

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.06

Sample wt/vol: 10.69 (g/ml) G Lab File ID: BNA00292.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 11.65 decanted:(Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/07/98

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 | 530 | 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 | 210 | 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 | 530 | 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 | 200 | U |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 290 | 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 | 360 | U |
| 218-01-9 | Chrysene | 160 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 290 | U |
| 117-84-0 | Di-n-octylphthalate | 300 | U |
| 205-99-2 | Benzo[b]fluoranthene | 170 | 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 | 120 | J |
| 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-166

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.06

Sample wt/vol: 10.69 (g/ml) G Lab File ID: BNA00292.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 11.65 decanted: (Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/07/98

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. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.27 | 1400 | JN |
| 2. 000629-96-9 | 1-Eicosanol | 30.23 | 1100 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-167

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.09

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BNA00284.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 8.94 decanted:(Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/98

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 | 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 | 540 | 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-167**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.09

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BNA00284.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 8.94 decanted:(Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/98

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 | 190 | U |
| 51-28-5 | 2,4-Dinitrophenol | 540 | 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 | 540 | 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 | 740 | |
| 120-12-7 | Anthracene | 210 | U |
| 84-74-2 | Di-n-butylphthalate | 120 | JB |
| 206-44-0 | Fluoranthene | 470 | |
| 92-87-5 | Benzidine | 970 | U |
| 129-00-0 | Pyrene | 920 | |
| 85-68-7 | Butylbenzylphthalate | 270 | U |
| 56-55-3 | Benzo[a]anthracene | 280 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 370 | U |
| 218-01-9 | Chrysene | 580 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 300 | U |
| 117-84-0 | Di-n-octylphthalate | 300 | U |
| 205-99-2 | Benzo[b]fluoranthene | 200 | J |
| 207-08-9 | Benzo[k]fluoranthene | 220 | |
| 50-32-8 | Benzo[a]pyrene | 210 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 120 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 260 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 140 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

B-167

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.09

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BNA00284.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 8.94 decanted: (Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/98

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 | 28.29 | 2000 | J |
| 2. 074685-33-9 | 3-Eicosene, (E)- | 30.22 | 1000 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-168

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.12

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BNA00285.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 15.94 decanted:(Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/98

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 | 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 | 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 | 290 | 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 | 570 | 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 | 220 | U |
| 91-57-6 | 2-Methylnaphthalene | 310 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 65 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 220 | 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-168**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.12

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BNA00285.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 15.94 decanted:(Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/98

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 | 200 | U |
| 51-28-5 | 2,4-Dinitrophenol | 570 | U |
| 132-64-9 | Dibenzofuran | 210 | U |
| 100-02-7 | 4-Nitrophenol | 530 | 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 | 220 | U |
| 100-01-6 | 4-Nitroaniline | 320 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 570 | 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 | 480 | 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 | 230 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 400 | U |
| 218-01-9 | Chrysene | 290 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 320 | U |
| 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-168

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.12

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BNA00285.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 15.94 decanted: (Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.27 | 3100 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-169

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.15

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BNA00294.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 23.96 decanted:(Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/07/98

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 | 390 | U |
| 62-75-9 | N-nitroso-dimethylamine | 260 | U |
| 62-53-3 | Aniline | 290 | U |
| 108-95-2 | Phenol | 440 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 280 | U |
| 95-57-8 | 2-Chlorophenol | 250 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 270 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 380 | U |
| 100-51-6 | Benzyl alcohol | 350 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 310 | U |
| | 2-Methylphenol | 270 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 330 | U |
| | 4-Methylphenol | 350 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 320 | U |
| 67-72-1 | Hexachloroethane | 280 | U |
| 98-95-3 | Nitrobenzene | 350 | U |
| 78-59-1 | Isophorone | 340 | U |
| 88-75-5 | 2-Nitrophenol | 220 | U |
| 105-67-9 | 2,4-Dimethylphenol | 380 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 160 | U |
| 120-83-2 | 2,4-Dichlorophenol | 210 | U |
| 65-85-0 | Benzoic Acid | 660 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 340 | U |
| 91-20-3 | Naphthalene | 320 | U |
| 106-47-8 | 4-Chloroaniline | 390 | U |
| 87-68-3 | Hexachlorobutadiene | 330 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 260 | U |
| 91-57-6 | 2-Methylnaphthalene | 360 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 75 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 250 | U |
| | 2,4,5-Trichlorophenol | 280 | U |
| 91-58-7 | 2-Chloronaphthalene | 230 | U |
| 88-74-4 | 2-Nitroaniline | 220 | U |
| 131-11-3 | Dimethylphthalate | 200 | U |
| 208-96-8 | Acenaphthylene | 250 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 300 | U |
| 99-09-2 | 3-Nitroaniline | 330 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. B-169

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.15

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BNA00294.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 23.96 decanted:(Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/07/98

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 | 230 | U |
| 51-28-5 | 2,4-Dinitrophenol | 660 | U |
| 132-64-9 | Dibenzofuran | 240 | U |
| 100-02-7 | 4-Nitrophenol | 600 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 240 | U |
| 84-66-2 | Diethylphthalate | 270 | U |
| 86-73-7 | Fluorene | 250 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 250 | U |
| 100-01-6 | 4-Nitroaniline | 370 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 660 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 240 | U |
| 103-33-3 | Azobenzene | 250 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 230 | U |
| 118-74-1 | Hexachlorobenzene | 350 | U |
| 87-86-5 | Pentachlorophenol | 390 | U |
| 85-01-8 | Phenanthrene | 250 | U |
| 120-12-7 | Anthracene | 250 | U |
| 84-74-2 | Di-n-butylphthalate | 190 | JB |
| 206-44-0 | Fluoranthene | 260 | U |
| 92-87-5 | Benzidine | 1200 | U |
| 129-00-0 | Pyrene | 300 | U |
| 85-68-7 | Butylbenzylphthalate | 330 | U |
| 56-55-3 | Benzo[a]anthracene | 260 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 450 | U |
| 218-01-9 | Chrysene | 330 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 360 | U |
| 117-84-0 | Di-n-octylphthalate | 370 | U |
| 205-99-2 | Benzo[b]fluoranthene | 320 | U |
| 207-08-9 | Benzo[k]fluoranthene | 240 | U |
| 50-32-8 | Benzo[a]pyrene | 250 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 270 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 310 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 310 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

**B-169**

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.15

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BNA00294.D

Level: (low/med) LOW Date Received: 06/29/98

% Moisture: 23.96 decanted: (Y/N) N Date Extracted: 06/30/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/07/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|



001556

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-178

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.12

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BN2073.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 6.53 decanted:(Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 310 | 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 | 210 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 260 | 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 | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 170 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 270 | 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 | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 290 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 60 | 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 | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-178

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.12

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BN2073.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 6.53 decanted:(Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 180 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 210 | 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 | 1000 | 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 | 200 | U |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 580 | JB |
| 206-44-0 | Fluoranthene | 200 | U |
| 92-87-5 | Benzidine | 950 | U |
| 129-00-0 | Pyrene | 240 | U |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 210 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 260 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 290 | U |
| 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 | 210 | 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-178

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.12

Sample wt/vol: 10.22 (g/ml) G Lab File ID: BN2073.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 6.53 decanted: (Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

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 | 6.30 | 5800 | J |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.73 | 1100 | JN |
| 3. 001599-67-3 | 1-Docosene | 26.17 | 8600 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-179

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No: 3722 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.15

Sample wt/vol: 10.48 (g/ml) G Lab File ID: BN2075.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 3.87 decanted:(Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 300 | U |
| 62-75-9 | N-nitroso-dimethylamine | 200 | U |
| 62-53-3 | Aniline | 220 | U |
| 108-95-2 | Phenol | 330 | 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 | 290 | U |
| 100-51-6 | Benzyl alcohol | 270 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 230 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 270 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | U |
| 67-72-1 | Hexachloroethane | 210 | U |
| 98-95-3 | Nitrobenzene | 270 | U |
| 78-59-1 | Isophorone | 250 | U |
| 88-75-5 | 2-Nitrophenol | 170 | U |
| 105-67-9 | 2,4-Dimethylphenol | 290 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 160 | U |
| 65-85-0 | Benzoic Acid | 990 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 190 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 57 | 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 | 160 | U |
| 131-11-3 | Dimethylphthalate | 150 | U |
| 208-96-8 | Acenaphthylene | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 230 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-179

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No: 3722 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.15

Sample wt/vol: 10.48 (g/ml) G Lab File ID: BN2075.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 3.87 decanted:(Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 170 | U |
| 51-28-5 | 2,4-Dinitrophenol | 990 | U |
| 132-64-9 | Dibenzofuran | 180 | U |
| 100-02-7 | 4-Nitrophenol | 460 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 180 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 990 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 290 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 310 | JB |
| 206-44-0 | Fluoranthene | 190 | U |
| 92-87-5 | Benzidine | 900 | U |
| 129-00-0 | Pyrene | 220 | U |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 190 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 110 | J |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 240 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 190 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | 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-179

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No: 3722 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.15

Sample wt/vol: 10.48 (g/ml) G Lab File ID: BN2075.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 3.87 decanted: (Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 6.30 | 1600 | J |
| 2. 001454-84-8 | 1-Nonadecanol | 26.17 | 11000 | JN |
| 3. 001599-67-3 | 1-Docosene | 27.69 | 1400 | JN |
| 4. | unknown | 28.66 | 830 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-180

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.18

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN2076.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 5.8 decanted:(Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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-180

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.18

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN2076.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 5.8 decanted:(Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 250 | |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 610 | JB |
| 206-44-0 | Fluoranthene | 230 | |
| 92-87-5 | Benzidine | 920 | U |
| 129-00-0 | Pyrene | 370 | |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 140 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 350 | U |
| 218-01-9 | Chrysene | 390 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 280 | U |
| 117-84-0 | Di-n-octylphthalate | 290 | U |
| 205-99-2 | Benzo[b]fluoranthene | 110 | J |
| 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-180

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.18

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BN2076.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 5.8 decanted: (Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

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. | unknown | 6.29 | 1700 | J |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.72 | 980 | JN |
| 3. 001599-67-3 | 1-Docosene | 26.17 | 8300 | JN |
| 4. 000506-52-5 | 1-Hexacosanol | 27.69 | 860 | JN |
| 5. | unknown | 28.69 | 1300 | J |
| 6. 001454-84-8 | 1-Nonadecanol | 29.11 | 1000 | JN |
| 7. 000544-85-4 | Dotriacontane | 30.59 | 870 | JN |
| 8. 000112-92-5 | 1-Octadecanol | 30.68 | 1300 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-181

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.21

Sample wt/vol: 9.94 (g/ml) G Lab File ID: BN2077.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 10.94 decanted:(Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 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 | 64 | 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-181

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.21

Sample wt/vol: 9.94 (g/ml) G Lab File ID: BN2077.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 10.94 decanted:(Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 220 | U |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 760 | JB |
| 206-44-0 | Fluoranthene | 220 | U |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 260 | U |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 220 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 390 | U |
| 218-01-9 | Chrysene | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 310 | U |
| 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-181

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.21

Sample wt/vol: 9.94 (g/ml) G Lab File ID: BN2077.D

Level: (low/med) LOW Date Received: 07/13/98

% Moisture: 10.94 decanted: (Y/N) N Date Extracted: 07/14/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/98

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 | 6.29 | 2800 | J |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 20.72 | 1500 | JN |
| 3. 001599-67-3 | 1-Docosene | 26.17 | 12000 | JN |
| 4. 006624-79-9 | 1-Dotriacontanol | 27.69 | 1200 | JN |
| 5. | unknown | 28.66 | 950 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 197

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.02

Sample wt/vol: 10.34 (g/ml) G Lab File ID: BNA00406.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 10.13 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 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 | 540 | 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. 197

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.02

Sample wt/vol: 10.34 (g/ml) G Lab File ID: BNA00406.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 10.13 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 540 | 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 | 540 | 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 | 900 | U |
| 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 | 300 | U |
| 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

197

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.02

Sample wt/vol: 10.34 (g/ml) G Lab File ID: BNA00406.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 10.13 decanted: (Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 19.53 | 1200 | J |
| 2. 000057-10-3 | Hexadecanoic acid | 20.40 | 930 | JN |
| 3. 010544-50-0 | Sulfur, mol. (S8) | 21.33 | 1900 | JN |
| 4. 074685-33-9 | 3-Eicosene, (E)- | 25.00 | 8100 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 198

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.04

Sample wt/vol: 10.33 (g/ml) G Lab File ID: BNA00407.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 7.54 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 310 | 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 | 210 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 260 | 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 | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 170 | U |
| 65-85-0 | Benzoic Acid | 520 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 270 | 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 | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 290 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 60 | 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 | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 198

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.04

Sample wt/vol: 10.33 (g/ml) G Lab File ID: BNA00407.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 7.54 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 520 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 210 | 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 | 520 | 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 | 200 | U |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 720 | J |
| 206-44-0 | Fluoranthene | 200 | U |
| 92-87-5 | Benzidine | 950 | U |
| 129-00-0 | Pyrene | 240 | U |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 210 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 260 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 290 | U |
| 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 | 210 | 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

198

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.04

Sample wt/vol: 10.33 (g/ml) G Lab File ID: BNA00407.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 7.54 decanted: (Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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. 000295-48-7 | Cyclopentadecane | 26.53 | 2000 | JN |
| 2. | unknown | 19.53 | 980 | J |
| 3. 007704-34-9 | Sulfur | 21.34 | 2700 | JN |
| 4. 000112-88-9 | 1-Octadecene | 25.02 | 4200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 199

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.06

Sample wt/vol: 10.3 (g/ml) G Lab File ID: BNA00408.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 20.84 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 230 | 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 | 310 | 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 | 610 | 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 | 330 | 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 | 78 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 280 | U |
| 99-09-2 | 3-Nitroaniline | 310 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 199

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.06

Sample wt/vol: 10.3 (g/ml) G Lab File ID: BNA00408.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 20.84 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 610 | 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 | 350 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 610 | 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 | 260 | |
| 120-12-7 | Anthracene | 240 | U |
| 84-74-2 | Di-n-butylphthalate | 700 | J |
| 206-44-0 | Fluoranthene | 400 | |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 560 | |
| 85-68-7 | Butylbenzylphthalate | 310 | U |
| 56-55-3 | Benzo[a]anthracene | 230 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 420 | U |
| 218-01-9 | Chrysene | 460 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 340 | U |
| 117-84-0 | Di-n-octylphthalate | 350 | U |
| 205-99-2 | Benzo[b]fluoranthene | 220 | J |
| 207-08-9 | Benzo[k]fluoranthene | 230 | |
| 50-32-8 | Benzo[a]pyrene | 240 | |
| 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

199

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.06

Sample wt/vol: 10.3 (g/ml) G Lab File ID: BNA00408.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 20.84 decanted: (Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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. 000295-48-7 | Cyclopentadecane | 26.53 | 3700 | JN |
| 2. 000057-11-4 | Octadecanoic acid | 27.07 | 1300 | JN |
| 3. 000638-67-5 | Tricosane | 29.26 | 2600 | JN |
| 4. | unknown | 29.81 | 1200 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

200

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.08

Sample wt/vol: 10.64 (g/ml) G Lab File ID: BNA00409.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 10.02 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 310 | 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 | 300 | U |
| 100-51-6 | Benzyl alcohol | 280 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 250 | U |
| | 2-Methylphenol | 210 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 260 | U |
| | 4-Methylphenol | 280 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 250 | 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 | 300 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 170 | U |
| 65-85-0 | Benzoic Acid | 520 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 270 | U |
| 91-20-3 | Naphthalene | 250 | U |
| 106-47-8 | 4-Chloroaniline | 310 | U |
| 87-68-3 | Hexachlorobutadiene | 260 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 290 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 60 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 200 | U |
| | 2,4,5-Trichlorophenol | 220 | U |
| 91-58-7 | 2-Chloronaphthalene | 180 | U |
| 88-74-4 | 2-Nitroaniline | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

200

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.08

Sample wt/vol: 10.64 (g/ml) G Lab File ID: BNA00409.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 10.02 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 520 | U |
| 132-64-9 | Dibenzofuran | 190 | U |
| 100-02-7 | 4-Nitrophenol | 480 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 190 | U |
| 84-66-2 | Diethylphthalate | 210 | U |
| 86-73-7 | Fluorene | 200 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 200 | U |
| 100-01-6 | 4-Nitroaniline | 290 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 520 | 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 | 200 | U |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 630 | J |
| 206-44-0 | Fluoranthene | 170 | J |
| 92-87-5 | Benzidine | 950 | U |
| 129-00-0 | Pyrene | 260 | |
| 85-68-7 | Butylbenzylphthalate | 260 | U |
| 56-55-3 | Benzo[a]anthracene | 130 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 218-01-9 | Chrysene | 290 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 290 | U |
| 117-84-0 | Di-n-octylphthalate | 290 | U |
| 205-99-2 | Benzo[b]fluoranthene | 160 | J |
| 207-08-9 | Benzo[k]fluoranthene | 170 | J |
| 50-32-8 | Benzo[a]pyrene | 130 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 210 | 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

| 200 |
|---|

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.08

Sample wt/vol: 10.64 (g/ml) G Lab File ID: BNA00409.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 10.02 decanted: (Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 201

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.10

Sample wt/vol: 10.44 (g/ml) G Lab File ID: BNA00412.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 17.32 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 580 | 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 | 170 | 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

201

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.10

Sample wt/vol: 10.44 (g/ml) G Lab File ID: BNA00412.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 17.32 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 580 | 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 | 580 | 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 | 1000 | |
| 120-12-7 | Anthracene | 280 | |
| 84-74-2 | Di-n-butylphthalate | 1200 | |
| 206-44-0 | Fluoranthene | 1100 | |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 950 | |
| 85-68-7 | Butylbenzylphthalate | 290 | U |
| 56-55-3 | Benzo[a]anthracene | 470 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 400 | U |
| 218-01-9 | Chrysene | 670 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 320 | U |
| 117-84-0 | Di-n-octylphthalate | 330 | U |
| 205-99-2 | Benzo[b]fluoranthene | 360 | |
| 207-08-9 | Benzo[k]fluoranthene | 360 | |
| 50-32-8 | Benzo[a]pyrene | 390 | |
| 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

201

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.10

Sample wt/vol: 10.44 (g/ml) G Lab File ID: BNA00412.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 17.32 decanted: (Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 19.53 | 1800 | J |
| 2. 000297-03-0 | Cyclotetracosane | 26.53 | 2400 | JN |
| 3. 000000-00-0 | 1-Hexacosanal | 28.88 | 1000 | JN |
| 4. 000593-45-3 | Octadecane | 29.24 | 1400 | JN |
| 5. | unknown | 29.28 | 3500 | J |
| 6. 000000-00-0 | 1-Hexacosanal | 30.31 | 1100 | JN |
| 7. 018435-45-5 | 1-Nonadecene | 30.83 | 5200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 202

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.12

Sample wt/vol: 10.93 (g/ml) G Lab File ID: BNA00413.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 7.23 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 290 | U |
| 62-75-9 | N-nitroso-dimethylamine | 200 | U |
| 62-53-3 | Aniline | 210 | U |
| 108-95-2 | Phenol | 330 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 210 | U |
| 95-57-8 | 2-Chlorophenol | 190 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 200 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 290 | U |
| 100-51-6 | Benzyl alcohol | 260 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 230 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 260 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | U |
| 67-72-1 | Hexachloroethane | 210 | U |
| 98-95-3 | Nitrobenzene | 260 | U |
| 78-59-1 | Isophorone | 250 | U |
| 88-75-5 | 2-Nitrophenol | 170 | U |
| 105-67-9 | 2,4-Dimethylphenol | 290 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 160 | U |
| 65-85-0 | Benzoic Acid | 490 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 260 | U |
| 91-20-3 | Naphthalene | 130 | J |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 190 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 56 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 190 | U |
| | 2,4,5-Trichlorophenol | 210 | U |
| 91-58-7 | 2-Chloronaphthalene | 170 | U |
| 88-74-4 | 2-Nitroaniline | 160 | U |
| 131-11-3 | Dimethylphthalate | 150 | U |
| 208-96-8 | Acenaphthylene | 530 | |
| 606-20-2 | 2,6-Dinitrotoluene | 220 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 202

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.12

Sample wt/vol: 10.93 (g/ml) G Lab File ID: BNA00413.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 7.23 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 170 | U |
| 51-28-5 | 2,4-Dinitrophenol | 490 | U |
| 132-64-9 | Dibenzofuran | 180 | U |
| 100-02-7 | 4-Nitrophenol | 450 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 180 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 490 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 290 | U |
| 85-01-8 | Phenanthrene | 2100 | |
| 120-12-7 | Anthracene | 390 | |
| 84-74-2 | Di-n-butylphthalate | 570 | J |
| 206-44-0 | Fluoranthene | 4500 | |
| 92-87-5 | Benzidine | 890 | U |
| 129-00-0 | Pyrene | 5100 | |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 2700 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 4900 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 270 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 3100 | |
| 207-08-9 | Benzo[k]fluoranthene | 2800 | |
| 50-32-8 | Benzo[a]pyrene | 2900 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 2100 | |
| 53-70-3 | Dibenz[a,h]anthracene | 1500 | |
| 191-24-2 | Benzo[g,h,i]perylene | 2200 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

202

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.12

Sample wt/vol: 10.93 (g/ml) G Lab File ID: BNA00413.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 7.23 decanted: (Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 11 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 017851-53-5 | 1,2-Benzenedicarboxylic acid, but | 19.53 | 990 | JN |
| 2. 000779-02-2 | Anthracene, 9-methyl- | 19.96 | 800 | JN |
| 3. 000832-64-4 | Phenanthrene, 4-methyl- | 20.15 | 900 | JN |
| 4. 003674-66-6 | Phenanthrene, 2,5-dimethyl- | 21.26 | 870 | JN |
| 5. 007704-34-9 | Sulfur | 21.35 | 2800 | JN |
| 6. | unknown | 22.37 | 1100 | J |
| 7. 003442-78-2 | Pyrene, 2-methyl- | 23.11 | 1100 | JN |
| 8. 002381-21-7 | Pyrene, 1-methyl- | 23.33 | 1200 | JN |
| 9. 003351-28-8 | Chrysene, 1-methyl- | 25.90 | 1500 | JN |
| 10. 018435-45-5 | 1-Nonadecene | 26.53 | 1300 | JN |
| 11. 000297-03-0 | Cyclotetracosane | 29.29 | 2700 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 203

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.14

Sample wt/vol: 10.94 (g/ml) G Lab File ID: BNA00414.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 7.28 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 290 | U |
| 62-75-9 | N-nitroso-dimethylamine | 200 | U |
| 62-53-3 | Aniline | 210 | U |
| 108-95-2 | Phenol | 330 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 210 | U |
| 95-57-8 | 2-Chlorophenol | 190 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 200 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 290 | U |
| 100-51-6 | Benzyl alcohol | 260 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 230 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 260 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | U |
| 67-72-1 | Hexachloroethane | 210 | U |
| 98-95-3 | Nitrobenzene | 260 | U |
| 78-59-1 | Isophorone | 250 | U |
| 88-75-5 | 2-Nitrophenol | 170 | U |
| 105-67-9 | 2,4-Dimethylphenol | 290 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 160 | U |
| 65-85-0 | Benzoic Acid | 490 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 250 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 190 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 56 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 190 | U |
| | 2,4,5-Trichlorophenol | 210 | U |
| 91-58-7 | 2-Chloronaphthalene | 170 | U |
| 88-74-4 | 2-Nitroaniline | 160 | U |
| 131-11-3 | Dimethylphthalate | 150 | U |
| 208-96-8 | Acenaphthylene | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 220 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 203

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.14

Sample wt/vol: 10.94 (g/ml) G Lab File ID: BNA00414.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 7.28 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 170 | U |
| 51-28-5 | 2,4-Dinitrophenol | 490 | U |
| 132-64-9 | Dibenzofuran | 180 | U |
| 100-02-7 | 4-Nitrophenol | 450 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 180 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 490 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 290 | U |
| 85-01-8 | Phenanthrene | 380 | |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 210 | J |
| 206-44-0 | Fluoranthene | 510 | |
| 92-87-5 | Benzidine | 890 | U |
| 129-00-0 | Pyrene | 740 | |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 260 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 490 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 270 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 230 | J |
| 207-08-9 | Benzo[k]fluoranthene | 250 | |
| 50-32-8 | Benzo[a]pyrene | 260 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 150 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 240 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 140 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

203

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.14

Sample wt/vol: 10.94 (g/ml) G Lab File ID: BNA00414.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 7.28 decanted: (Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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. 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl | 5.13 | 1000 | JN |
| 2. 000295-48-7 | Cyclopentadecane | 26.52 | 1100 | JN |
| 3. 000629-96-9 | 1-Eicosanol | 29.29 | 2500 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

204

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.16

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00495.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 11 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/03/98

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 | 340 | 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 | 240 | 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 | 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 | 270 | 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 | 560 | 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 | 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.

204

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.16

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00495.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 11 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/03/98

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 | 200 | U |
| 51-28-5 | 2,4-Dinitrophenol | 560 | 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 | 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 | 560 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 210 | 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 | 220 | U |
| 120-12-7 | Anthracene | 220 | U |
| 84-74-2 | Di-n-butylphthalate | 210 | J |
| 206-44-0 | Fluoranthene | 140 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 260 | |
| 85-68-7 | Butylbenzylphthalate | 280 | U |
| 56-55-3 | Benzo[a]anthracene | 120 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 390 | U |
| 218-01-9 | Chrysene | 240 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 310 | U |
| 117-84-0 | Di-n-octylphthalate | 320 | U |
| 205-99-2 | Benzo[b]fluoranthene | 280 | 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 | 270 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 270 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

204

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.16

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA00495.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 11 decanted: (Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/03/98

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. 074685-30-6 | 5-Eicosene, (E)- | 24.44 | 2500 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 205

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.18

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BNA00516.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 11.36 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

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 | 550 | 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. 205

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.18

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BNA00516.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 11.36 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

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 | 550 | 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 | 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 | 550 | 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 | 270 | J |
| 206-44-0 | Fluoranthene | 210 | 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 | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 310 | U |
| 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

205

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.18

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BNA00516.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 11.36 decanted: (Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

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. 007704-34-9 | Sulfur | 20.67 | 980 | JN |
| 2. 074685-30-6 | 5-Eicosene, (E)- | 24.42 | 1800 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 206

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.20

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BNA00417.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 17.31 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 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 | 290 | 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 | 570 | 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 | 220 | U |
| 91-57-6 | 2-Methylnaphthalene | 310 | 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 | 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. 206

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.20

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BNA00417.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 17.31 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 570 | U |
| 132-64-9 | Dibenzofuran | 210 | U |
| 100-02-7 | 4-Nitrophenol | 530 | 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 | 220 | U |
| 100-01-6 | 4-Nitroaniline | 320 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 570 | 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 | 240 | J |
| 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 | 230 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 400 | U |
| 218-01-9 | Chrysene | 290 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 320 | U |
| 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

206

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.20

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BNA00417.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 17.31 decanted: (Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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. 074685-30-6 | 5-Eicosene, (E)- | 25.01 | 7900 | JN |
| 2. 000297-03-0 | Cyclotetracosane | 26.52 | 1000 | JN |
| 3. 018435-45-5 | 1-Nonadecene | 27.95 | 1500 | JN |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

207

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.22

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BNA00517.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 13.47 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

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 | 550 | 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. 207

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.22

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BNA00517.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 13.47 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

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 | 550 | 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 | 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 | 550 | 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 | 920 | U |
| 206-44-0 | Fluoranthene | 210 | 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 | 280 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 310 | U |
| 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

207

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.22

Sample wt/vol: 10.43 (g/ml) G Lab File ID: BNA00517.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 13.47 decanted: (Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 208

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.24

Sample wt/vol: 10.61 (g/ml) G Lab File ID: BNA00518.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 20.4 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

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 | 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 | 590 | 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 | 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.

208

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.24

Sample wt/vol: 10.61 (g/ml) G Lab File ID: BNA00518.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 20.4 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

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 | 590 | 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 | 230 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 220 | U |
| 100-01-6 | 4-Nitroaniline | 330 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 590 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 220 | U |
| 103-33-3 | Azobenzene | 230 | 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 | 250 | J |
| 206-44-0 | Fluoranthene | 230 | U |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 270 | U |
| 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 | 330 | U |
| 117-84-0 | Di-n-octylphthalate | 330 | U |
| 205-99-2 | Benzo[b]fluoranthene | 290 | U |
| 207-08-9 | Benzo[k]fluoranthene | 220 | U |
| 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

208

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.24

Sample wt/vol: 10.61 (g/ml) G Lab File ID: BNA00518.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 20.4 decanted: (Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000629-96-9 | 1-Eicosanol | 24.43 | 2200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

209

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.26

Sample wt/vol: 10.56 (g/ml) G Lab File ID: BNA00420.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 3.31 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 290 | U |
| 62-75-9 | N-nitroso-dimethylamine | 200 | U |
| 62-53-3 | Aniline | 210 | U |
| 108-95-2 | Phenol | 330 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 210 | U |
| 95-57-8 | 2-Chlorophenol | 190 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 200 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 290 | U |
| 100-51-6 | Benzyl alcohol | 260 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 230 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 260 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | U |
| 67-72-1 | Hexachloroethane | 210 | U |
| 98-95-3 | Nitrobenzene | 260 | U |
| 78-59-1 | Isophorone | 250 | U |
| 88-75-5 | 2-Nitrophenol | 160 | U |
| 105-67-9 | 2,4-Dimethylphenol | 290 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 150 | U |
| 65-85-0 | Benzoic Acid | 490 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 260 | U |
| 91-20-3 | Naphthalene | 120 | J |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 240 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 190 | U |
| 91-57-6 | 2-Methylnaphthalene | 120 | J |
| 77-47-4 | Hexachlorocyclopentadiene | 56 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 180 | U |
| | 2,4,5-Trichlorophenol | 210 | U |
| 91-58-7 | 2-Chloronaphthalene | 170 | U |
| 88-74-4 | 2-Nitroaniline | 160 | U |
| 131-11-3 | Dimethylphthalate | 150 | U |
| 208-96-8 | Acenaphthylene | 260 | |
| 606-20-2 | 2,6-Dinitrotoluene | 220 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 209

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.26

Sample wt/vol: 10.56 (g/ml) G Lab File ID: BNA00420.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 3.31 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

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 | 170 | U |
| 51-28-5 | 2,4-Dinitrophenol | 490 | U |
| 132-64-9 | Dibenzofuran | 180 | U |
| 100-02-7 | 4-Nitrophenol | 450 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 180 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 180 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 490 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 180 | U |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 290 | U |
| 85-01-8 | Phenanthrene | 760 | |
| 120-12-7 | Anthracene | 200 | |
| 84-74-2 | Di-n-butylphthalate | 540 | J |
| 206-44-0 | Fluoranthene | 1400 | |
| 92-87-5 | Benzidine | 890 | U |
| 129-00-0 | Pyrene | 1100 | |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 190 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 250 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 270 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 530 | |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 400 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 190 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 170 | J |
| 191-24-2 | Benzo[g,h,i]perylene | 190 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

209

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.26

Sample wt/vol: 10.56 (g/ml) G Lab File ID: BNA00420.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 3.31 decanted: (Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

210

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.28

Sample wt/vol: 10.81 (g/ml) G Lab File ID: BNA00519.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 5.61 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

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 | 290 | U |
| 62-75-9 | N-nitroso-dimethylamine | 200 | U |
| 62-53-3 | Aniline | 210 | U |
| 108-95-2 | Phenol | 330 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 210 | U |
| 95-57-8 | 2-Chlorophenol | 190 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 200 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 290 | U |
| 100-51-6 | Benzyl alcohol | 260 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 230 | U |
| | 2-Methylphenol | 200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 250 | U |
| | 4-Methylphenol | 260 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 240 | U |
| 67-72-1 | Hexachloroethane | 210 | U |
| 98-95-3 | Nitrobenzene | 260 | U |
| 78-59-1 | Isophorone | 250 | U |
| 88-75-5 | 2-Nitrophenol | 160 | U |
| 105-67-9 | 2,4-Dimethylphenol | 290 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 120 | U |
| 120-83-2 | 2,4-Dichlorophenol | 150 | U |
| 65-85-0 | Benzoic Acid | 490 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 260 | U |
| 91-20-3 | Naphthalene | 240 | U |
| 106-47-8 | 4-Chloroaniline | 290 | U |
| 87-68-3 | Hexachlorobutadiene | 240 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 190 | U |
| 91-57-6 | 2-Methylnaphthalene | 270 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 56 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 180 | U |
| | 2,4,5-Trichlorophenol | 210 | U |
| 91-58-7 | 2-Chloronaphthalene | 170 | U |
| 88-74-4 | 2-Nitroaniline | 160 | U |
| 131-11-3 | Dimethylphthalate | 150 | U |
| 208-96-8 | Acenaphthylene | 190 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 220 | U |
| 99-09-2 | 3-Nitroaniline | 250 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

210

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.28

Sample wt/vol: 10.81 (g/ml) G Lab File ID: BNA00519.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 5.61 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

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 | 170 | U |
| 51-28-5 | 2,4-Dinitrophenol | 490 | U |
| 132-64-9 | Dibenzofuran | 180 | U |
| 100-02-7 | 4-Nitrophenol | 450 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 180 | U |
| 84-66-2 | Diethylphthalate | 200 | U |
| 86-73-7 | Fluorene | 190 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 180 | U |
| 100-01-6 | 4-Nitroaniline | 280 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 490 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 60 | J |
| 103-33-3 | Azobenzene | 190 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 170 | U |
| 118-74-1 | Hexachlorobenzene | 260 | U |
| 87-86-5 | Pentachlorophenol | 290 | U |
| 85-01-8 | Phenanthrene | 190 | U |
| 120-12-7 | Anthracene | 190 | U |
| 84-74-2 | Di-n-butylphthalate | 840 | |
| 206-44-0 | Fluoranthene | 190 | J |
| 92-87-5 | Benzidine | 890 | U |
| 129-00-0 | Pyrene | 260 | |
| 85-68-7 | Butylbenzylphthalate | 250 | U |
| 56-55-3 | Benzo[a]anthracene | 110 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 340 | U |
| 218-01-9 | Chrysene | 240 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 270 | U |
| 117-84-0 | Di-n-octylphthalate | 280 | U |
| 205-99-2 | Benzo[b]fluoranthene | 240 | U |
| 207-08-9 | Benzo[k]fluoranthene | 180 | U |
| 50-32-8 | Benzo[a]pyrene | 180 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 230 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 230 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

210

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.28

Sample wt/vol: 10.81 (g/ml) G Lab File ID: BNA00519.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 5.61 decanted: (Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

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. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 18.96 | 1400 | JN |
| 2. 074685-30-6 | 5-Eicosene, (E)- | 24.43 | 2000 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 211

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.30

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BNA00520.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 4.9 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

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 | 310 | U |
| 62-75-9 | N-nitroso-dimethylamine | 210 | U |
| 62-53-3 | Aniline | 220 | U |
| 108-95-2 | Phenol | 340 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 220 | U |
| 95-57-8 | 2-Chlorophenol | 200 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 210 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 300 | U |
| 100-51-6 | Benzyl alcohol | 280 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 240 | U |
| | 2-Methylphenol | 210 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 260 | U |
| | 4-Methylphenol | 280 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 250 | U |
| 67-72-1 | Hexachloroethane | 220 | U |
| 98-95-3 | Nitrobenzene | 280 | 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 | 520 | 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 | 260 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 200 | U |
| 91-57-6 | 2-Methylnaphthalene | 280 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 59 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 190 | U |
| | 2,4,5-Trichlorophenol | 220 | U |
| 91-58-7 | 2-Chloronaphthalene | 180 | U |
| 88-74-4 | 2-Nitroaniline | 170 | 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 | 260 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 211

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.30

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BNA00520.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 4.9 decanted:(Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

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 | 520 | 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 | 200 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 190 | U |
| 100-01-6 | 4-Nitroaniline | 290 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 520 | 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 | 270 | U |
| 87-86-5 | Pentachlorophenol | 300 | U |
| 85-01-8 | Phenanthrene | 150 | J |
| 120-12-7 | Anthracene | 200 | U |
| 84-74-2 | Di-n-butylphthalate | 580 | J |
| 206-44-0 | Fluoranthene | 160 | J |
| 92-87-5 | Benzidine | 930 | U |
| 129-00-0 | Pyrene | 270 | |
| 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 | 290 | 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 | 250 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 250 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

211

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3805 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3805.30

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BNA00520.D

Level: (low/med) LOW Date Received: 08/12/98

% Moisture: 4.9 decanted: (Y/N) N Date Extracted: 08/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/04/98

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 | 18.96 | 1100 | J |
| 2. 000112-92-5 | 1-Octadecanol | 24.43 | 2300 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 212

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.02

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA00543.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 16.23 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 1200 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1200 | U |
| 62-53-3 | Aniline | 1200 | U |
| 108-95-2 | Phenol | 1200 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1200 | U |
| 95-57-8 | 2-Chlorophenol | 1200 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1200 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1200 | U |
| 100-51-6 | Benzyl alcohol | 1200 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1200 | U |
| | 2-Methylphenol | 1200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1200 | U |
| | 4-Methylphenol | 1200 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1200 | U |
| 67-72-1 | Hexachloroethane | 1200 | U |
| 98-95-3 | Nitrobenzene | 1200 | U |
| 78-59-1 | Isophorone | 1200 | U |
| 88-75-5 | 2-Nitrophenol | 1200 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1200 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1200 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1200 | U |
| 65-85-0 | Benzoic Acid | 1200 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1200 | U |
| 91-20-3 | Naphthalene | 1200 | U |
| 106-47-8 | 4-Chloroaniline | 1200 | U |
| 87-68-3 | Hexachlorobutadiene | 1200 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1200 | U |
| 91-57-6 | 2-Methylnaphthalene | 1200 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1200 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1200 | U |
| | 2,4,5-Trichlorophenol | 1200 | U |
| 91-58-7 | 2-Chloronaphthalene | 1200 | U |
| 88-74-4 | 2-Nitroaniline | 1200 | U |
| 131-11-3 | Dimethylphthalate | 1200 | U |
| 208-96-8 | Acenaphthylene | 1200 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1200 | U |
| 99-09-2 | 3-Nitroaniline | 1200 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 212

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.02

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA00543.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 16.23 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 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 | 330 | JB |
| 206-44-0 | Fluoranthene | 370 | J |
| 92-87-5 | Benzidine | 1200 | U |
| 129-00-0 | Pyrene | 400 | J |
| 85-68-7 | Butylbenzylphthalate | 1200 | U |
| 56-55-3 | Benzo[a]anthracene | 230 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1200 | U |
| 218-01-9 | Chrysene | 360 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1200 | U |
| 117-84-0 | Di-n-octylphthalate | 1200 | U |
| 205-99-2 | Benzo[b]fluoranthene | 180 | J |
| 207-08-9 | Benzo[k]fluoranthene | 220 | J |
| 50-32-8 | Benzo[a]pyrene | 200 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 120 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 1200 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 210 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

212

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.02

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA00543.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 16.23 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000057-11-4 | Octadecanoic acid | 21.70 | 1200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 213

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.04

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BNA00544.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 21.6 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 1200 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1200 | U |
| 62-53-3 | Aniline | 1200 | U |
| 108-95-2 | Phenol | 1200 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1200 | U |
| 95-57-8 | 2-Chlorophenol | 1200 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1200 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1200 | U |
| 100-51-6 | Benzyl alcohol | 1200 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1200 | U |
| | 2-Methylphenol | 1200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1200 | U |
| | 4-Methylphenol | 1200 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1200 | U |
| 67-72-1 | Hexachloroethane | 1200 | U |
| 98-95-3 | Nitrobenzene | 1200 | U |
| 78-59-1 | Isophorone | 1200 | U |
| 88-75-5 | 2-Nitrophenol | 1200 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1200 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1200 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1200 | U |
| 65-85-0 | Benzoic Acid | 1200 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1200 | U |
| 91-20-3 | Naphthalene | 1200 | U |
| 106-47-8 | 4-Chloroaniline | 1200 | U |
| 87-68-3 | Hexachlorobutadiene | 1200 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1200 | U |
| 91-57-6 | 2-Methylnaphthalene | 1200 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1200 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1200 | U |
| | 2,4,5-Trichlorophenol | 1200 | U |
| 91-58-7 | 2-Chloronaphthalene | 1200 | U |
| 88-74-4 | 2-Nitroaniline | 1200 | U |
| 131-11-3 | Dimethylphthalate | 1200 | U |
| 208-96-8 | Acenaphthylene | 1200 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1200 | U |
| 99-09-2 | 3-Nitroaniline | 1200 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

213

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.04

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BNA00544.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 21.6 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 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 | 670 | JB |
| 206-44-0 | Fluoranthene | 370 | J |
| 92-87-5 | Benzidine | 1200 | U |
| 129-00-0 | Pyrene | 560 | 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 | 460 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1200 | U |
| 117-84-0 | Di-n-octylphthalate | 1200 | U |
| 205-99-2 | Benzo[b]fluoranthene | 190 | J |
| 207-08-9 | Benzo[k]fluoranthene | 240 | J |
| 50-32-8 | Benzo[a]pyrene | 220 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 140 | J |
| 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

213

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.04

Sample wt/vol: 10.52 (g/ml) G Lab File ID: BNA00544.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 21.6 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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. 017851-53-5 | 1,2-Benzenedicarboxylic acid, but | 18.95 | 1200 | JN |
| 2. 000072-54-8 | 1,1-Dichloro-2,2-bis(p-chlorophen | 22.74 | 1300 | JN |
| 3. 000000-00-0 | 1-Hexacosanal | 26.94 | 2400 | JN |
| 4. 000112-95-8 | Eicosane | 27.35 | 2200 | JN |
| 5. 056554-87-1 | 16-Octadecenal | 28.30 | 1600 | JN |
| 6. 000630-06-8 | Hexatriacontane | 28.66 | 3000 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 214

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.06

Sample wt/vol: 10.55 (g/ml) G Lab File ID: BNA00545.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 12.83 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 1100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1100 | U |
| 108-95-2 | Phenol | 1100 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1100 | U |
| 100-51-6 | Benzyl alcohol | 1100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1100 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1100 | U |
| | 4-Methylphenol | 1100 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1100 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1100 | U |
| 78-59-1 | Isophorone | 1100 | U |
| 88-75-5 | 2-Nitrophenol | 1100 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1100 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1100 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1100 | U |
| 91-20-3 | Naphthalene | 1100 | U |
| 106-47-8 | 4-Chloroaniline | 1100 | U |
| 87-68-3 | Hexachlorobutadiene | 1100 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1100 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1100 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 1100 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 1100 | U |
| 208-96-8 | Acenaphthylene | 1100 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 214

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.06

Sample wt/vol: 10.55 (g/ml) G Lab File ID: BNA00545.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 12.83 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 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 | 190 | J |
| 120-12-7 | Anthracene | 1100 | U |
| 84-74-2 | Di-n-butylphthalate | 260 | JB |
| 206-44-0 | Fluoranthene | 220 | J |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 310 | 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 | 240 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1100 | U |
| 117-84-0 | Di-n-octylphthalate | 1100 | U |
| 205-99-2 | Benzo[b]fluoranthene | 1100 | U |
| 207-08-9 | Benzo[k]fluoranthene | 1100 | U |
| 50-32-8 | Benzo[a]pyrene | 1100 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1100 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 1100 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 1100 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

214

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.06

Sample wt/vol: 10.55 (g/ml) G Lab File ID: BNA00545.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 12.83 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000629-96-9 | 1-Eicosanol | 24.41 | 1300 | JN |
| 2. 014167-59-0 | Tetratriacontane | 25.95 | 1500 | JN |
| 3. 000000-00-0 | 1-Hexacosanal | 26.94 | 1800 | JN |
| 4. 000593-49-7 | Heptacosane | 27.35 | 2400 | JN |
| 5. 000000-00-0 | 1-Hexacosanal | 28.29 | 1800 | JN |
| 6. 000629-94-7 | Heneicosane | 28.65 | 2400 | JN |
| 7. 000000-00-0 | 2-Nonacosanone | 28.81 | 1000 | JN |
| 8. 056554-86-0 | 17-Octadecenal | 29.60 | 2200 | JN |
| 9. | unknown | 29.75 | 910 | J |
| 10. | unknown | 29.96 | 1100 | J |
| 11. | unknown | 30.18 | 1400 | J |
| 12. | unknown | 30.30 | 6800 | J |
| 13. | unknown | 30.50 | 1500 | J |
| 14. 000638-66-4 | Octadecanal | 31.22 | 1400 | JN |
| 15. | unknown | 32.36 | 900 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 215

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.08

Sample wt/vol: 10.96 (g/ml) G Lab File ID: BNA00546.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 5.66 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 970 | U |
| 62-75-9 | N-nitroso-dimethylamine | 970 | U |
| 62-53-3 | Aniline | 970 | U |
| 108-95-2 | Phenol | 970 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 970 | U |
| 95-57-8 | 2-Chlorophenol | 970 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 970 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 970 | U |
| 100-51-6 | Benzyl alcohol | 970 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 970 | U |
| | 2-Methylphenol | 970 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 970 | U |
| | 4-Methylphenol | 970 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 970 | U |
| 67-72-1 | Hexachloroethane | 970 | U |
| 98-95-3 | Nitrobenzene | 970 | U |
| 78-59-1 | Isophorone | 970 | U |
| 88-75-5 | 2-Nitrophenol | 970 | U |
| 105-67-9 | 2,4-Dimethylphenol | 970 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 970 | U |
| 120-83-2 | 2,4-Dichlorophenol | 970 | U |
| 65-85-0 | Benzoic Acid | 970 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 970 | U |
| 91-20-3 | Naphthalene | 970 | U |
| 106-47-8 | 4-Chloroaniline | 970 | U |
| 87-68-3 | Hexachlorobutadiene | 970 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 970 | U |
| 91-57-6 | 2-Methylnaphthalene | 970 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 970 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 970 | U |
| | 2,4,5-Trichlorophenol | 970 | U |
| 91-58-7 | 2-Chloronaphthalene | 970 | U |
| 88-74-4 | 2-Nitroaniline | 970 | U |
| 131-11-3 | Dimethylphthalate | 970 | U |
| 208-96-8 | Acenaphthylene | 970 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 970 | U |
| 99-09-2 | 3-Nitroaniline | 970 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 215

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.08

Sample wt/vol: 10.96 (g/ml) G Lab File ID: BNA00546.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 5.66 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 970 | U |
| 51-28-5 | 2,4-Dinitrophenol | 970 | U |
| 132-64-9 | Dibenzofuran | 970 | U |
| 100-02-7 | 4-Nitrophenol | 970 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 970 | U |
| 84-66-2 | Diethylphthalate | 970 | U |
| 86-73-7 | Fluorene | 970 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 970 | U |
| 100-01-6 | 4-Nitroaniline | 970 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 970 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 970 | U |
| 103-33-3 | Azobenzene | 970 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 970 | U |
| 118-74-1 | Hexachlorobenzene | 970 | U |
| 87-86-5 | Pentachlorophenol | 970 | U |
| 85-01-8 | Phenanthrene | 160 | J |
| 120-12-7 | Anthracene | 970 | U |
| 84-74-2 | Di-n-butylphthalate | 660 | JB |
| 206-44-0 | Fluoranthene | 160 | J |
| 92-87-5 | Benzidine | 970 | U |
| 129-00-0 | Pyrene | 270 | J |
| 85-68-7 | Butylbenzylphthalate | 970 | U |
| 56-55-3 | Benzo[a]anthracene | 970 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 970 | U |
| 218-01-9 | Chrysene | 970 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 970 | U |
| 117-84-0 | Di-n-octylphthalate | 970 | U |
| 205-99-2 | Benzo[b]fluoranthene | 970 | U |
| 207-08-9 | Benzo[k]fluoranthene | 970 | U |
| 50-32-8 | Benzo[a]pyrene | 970 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 970 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 970 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 970 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

215

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.08

Sample wt/vol: 10.96 (g/ml) G Lab File ID: BNA00546.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 5.66 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 017851-53-5 | 1,2-Benzenedicarboxylic acid, but | 18.95 | 1200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 216

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.10

Sample wt/vol: 10.85 (g/ml) G Lab File ID: BNA00547.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 5.6 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 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 |
| | 2-Methylphenol | 980 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 980 | U |
| | 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 |
| | 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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 216

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.10

Sample wt/vol: 10.85 (g/ml) G Lab File ID: BNA00547.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 5.6 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 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 | 250 | JB |
| 206-44-0 | Fluoranthene | 280 | J |
| 92-87-5 | Benzidine | 980 | U |
| 129-00-0 | Pyrene | 340 | J |
| 85-68-7 | Butylbenzylphthalate | 980 | U |
| 56-55-3 | Benzo[a]anthracene | 140 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 980 | U |
| 218-01-9 | Chrysene | 280 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 980 | U |
| 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

216

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.10

Sample wt/vol: 10.85 (g/ml) G Lab File ID: BNA00547.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 5.6 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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. 000629-94-7 | Heneicosane | 27.35 | 1200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 217

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.12

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BNA00548.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 6.92 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 1000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 217

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.12

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BNA00548.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 6.92 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 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 | 140 | J |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 190 | JB |
| 206-44-0 | Fluoranthene | 190 | 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 | 1000 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1000 | U |
| 218-01-9 | Chrysene | 1000 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1000 | U |
| 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

217

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.12

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BNA00548.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 6.92 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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. 000629-96-9 | 1-Eicosanol | 24.41 | 1300 | JN |
| 2. 056554-87-1 | 16-Octadecenal | 26.94 | 1000 | JN |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

218

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.14

Sample wt/vol: 9.98 (g/ml) G Lab File ID: BNA00549.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 5.52 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 1100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1100 | U |
| 108-95-2 | Phenol | 1100 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1100 | U |
| 100-51-6 | Benzyl alcohol | 1100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1100 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1100 | U |
| | 4-Methylphenol | 1100 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1100 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1100 | U |
| 78-59-1 | Isophorone | 1100 | U |
| 88-75-5 | 2-Nitrophenol | 1100 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1100 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1100 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1100 | U |
| 91-20-3 | Naphthalene | 1100 | U |
| 106-47-8 | 4-Chloroaniline | 1100 | U |
| 87-68-3 | Hexachlorobutadiene | 1100 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1100 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1100 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 1100 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 1100 | U |
| 208-96-8 | Acenaphthylene | 480 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 218

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.14

Sample wt/vol: 9.98 (g/ml) G Lab File ID: BNA00549.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 5.52 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 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 | 1300 | |
| 120-12-7 | Anthracene | 250 | J |
| 84-74-2 | Di-n-butylphthalate | 650 | JB |
| 206-44-0 | Fluoranthene | 2900 | |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 3500 | |
| 85-68-7 | Butylbenzylphthalate | 1100 | U |
| 56-55-3 | Benzo[a]anthracene | 1000 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1100 | U |
| 218-01-9 | Chrysene | 2500 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1100 | U |
| 117-84-0 | Di-n-octylphthalate | 1100 | U |
| 205-99-2 | Benzo[b]fluoranthene | 1100 | |
| 207-08-9 | Benzo[k]fluoranthene | 1200 | |
| 50-32-8 | Benzo[a]pyrene | 1000 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 550 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 1100 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 490 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

218

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.14

Sample wt/vol: 9.98 (g/ml) G Lab File ID: BNA00549.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 5.52 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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. 017851-53-5 | 1,2-Benzenedicarboxylic acid, but | 18.95 | 1100 | JN |
| 2. 074685-30-6 | 5-Eicosene, (E)- | 24.42 | 1100 | JN |
| 3. | unknown | 25.11 | 950 | J |
| 4. | unknown | 25.23 | 2800 | J |
| 5. | unknown | 25.33 | 1300 | J |
| 6. | unknown | 25.50 | 2000 | J |
| 7. | unknown | 25.59 | 1300 | J |
| 8. | unknown | 25.72 | 880 | J |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

219

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.16

Sample wt/vol: 9.98 (g/ml) G Lab File ID: BNA00550.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 6.01 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 1100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1100 | U |
| 108-95-2 | Phenol | 1100 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1100 | U |
| 100-51-6 | Benzyl alcohol | 1100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1100 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1100 | U |
| | 4-Methylphenol | 1100 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1100 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1100 | U |
| 78-59-1 | Isophorone | 1100 | U |
| 88-75-5 | 2-Nitrophenol | 1100 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1100 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1100 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1100 | U |
| 91-20-3 | Naphthalene | 1100 | U |
| 106-47-8 | 4-Chloroaniline | 1100 | U |
| 87-68-3 | Hexachlorobutadiene | 1100 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1100 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1100 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 1100 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 1100 | U |
| 208-96-8 | Acenaphthylene | 1100 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 219

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.16

Sample wt/vol: 9.98 (g/ml) G Lab File ID: BNA00550.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 6.01 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 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 | 110 | J |
| 120-12-7 | Anthracene | 1100 | U |
| 84-74-2 | Di-n-butylphthalate | 380 | JB |
| 206-44-0 | Fluoranthene | 220 | J |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 280 | J |
| 85-68-7 | Butylbenzylphthalate | 1100 | U |
| 56-55-3 | Benzo[a]anthracene | 110 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1100 | U |
| 218-01-9 | Chrysene | 280 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 120 | J |
| 117-84-0 | Di-n-octylphthalate | 1100 | U |
| 205-99-2 | Benzo[b]fluoranthene | 170 | J |
| 207-08-9 | Benzo[k]fluoranthene | 1100 | U |
| 50-32-8 | Benzo[a]pyrene | 1100 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1100 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 1100 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 1100 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

219

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.16

Sample wt/vol: 9.98 (g/ml) G Lab File ID: BNA00550.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 6.01 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 007704-34-9 | Sulfur | 20.65 | 880 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 220

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.18

Sample wt/vol: 10.7 (g/ml) G Lab File ID: BNA00551.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 4.8 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 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 |
| | 2-Methylphenol | 980 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 980 | U |
| | 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 | 3600 | |
| 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 | 6600 | |
| 77-47-4 | Hexachlorocyclopentadiene | 980 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 980 | U |
| | 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 | 5200 | |
| 606-20-2 | 2,6-Dinitrotoluene | 980 | U |
| 99-09-2 | 3-Nitroaniline | 980 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 220

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.18

Sample wt/vol: 10.7 (g/ml) G Lab File ID: BNA00551.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 4.8 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

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 | 3300 | |
| 51-28-5 | 2,4-Dinitrophenol | 980 | U |
| 132-64-9 | Dibenzofuran | 830 | J |
| 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 | 8000 | |
| 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 | 37000 | E |
| 120-12-7 | Anthracene | 6000 | |
| 84-74-2 | Di-n-butylphthalate | 490 | JB |
| 206-44-0 | Fluoranthene | 17000 | E |
| 92-87-5 | Benzidine | 980 | U |
| 129-00-0 | Pyrene | 41000 | E |
| 85-68-7 | Butylbenzylphthalate | 980 | U |
| 56-55-3 | Benzo[a]anthracene | 13000 | E |
| 91-94-1 | 3,3'-Dichlorobenzidine | 980 | U |
| 218-01-9 | Chrysene | 22000 | E |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 980 | U |
| 117-84-0 | Di-n-octylphthalate | 980 | U |
| 205-99-2 | Benzo[b]fluoranthene | 9500 | |
| 207-08-9 | Benzo[k]fluoranthene | 1300 | |
| 50-32-8 | Benzo[a]pyrene | 6700 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 2000 | |
| 53-70-3 | Dibenz[a,h]anthracene | 1400 | |
| 191-24-2 | Benzo[g,h,i]perylene | 2000 | |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

220

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.18

Sample wt/vol: 10.7 (g/ml) G Lab File ID: BNA00551.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 4.8 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/10/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 24 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000091-57-6 | Naphthalene, 2-methyl- | 12.45 | 9100 | JN |
| 2. | unknown | 13.36 | 1100 | J |
| 3. 001127-76-0 | Naphthalene, 1-ethyl- | 13.55 | 1200 | JN |
| 4. 000582-16-1 | Naphthalene, 2,7-dimethyl- | 13.71 | 8300 | JN |
| 5. 000571-61-9 | Naphthalene, 1,5-dimethyl- | 13.92 | 12000 | JN |
| 6. 000581-42-0 | Naphthalene, 2,6-dimethyl- | 13.96 | 5000 | JN |
| 7. 000827-54-3 | Naphthalene, 2-ethenyl- | 14.02 | 1200 | JN |
| 8. 000581-40-8 | Naphthalene, 2,3-dimethyl- | 14.16 | 5100 | JN |
| 9. 000573-98-8 | Naphthalene, 1,2-dimethyl- | 14.19 | 2100 | JN |
| 10. 000581-40-8 | Naphthalene, 2,3-dimethyl- | 14.35 | 3100 | JN |
| 11. 000644-08-6 | 1,1'-Biphenyl, 4-methyl- | 14.82 | 1800 | JN |
| 12. 002131-42-2 | Naphthalene, 1,4,6-trimethyl- | 14.95 | 2200 | JN |
| 13. 002245-38-7 | Naphthalene, 1,6,7-trimethyl- | 15.22 | 3200 | JN |
| 14. 000829-26-5 | Naphthalene, 2,3,6-trimethyl- | 15.29 | 4700 | JN |
| 15. 002131-42-2 | Naphthalene, 1,4,6-trimethyl- | 15.48 | 4300 | JN |
| 16. 002131-41-1 | Naphthalene, 1,4,5-trimethyl- | 15.52 | 2900 | JN |
| 17. 000829-26-5 | Naphthalene, 2,3,6-trimethyl- | 15.69 | 4500 | JN |
| 18. 001989-33-9 | 9H-Fluorene-9-carboxylic acid | 15.85 | 1500 | JN |
| 19. | unknown | 16.07 | 1400 | J |
| 20. | unknown | 16.28 | 810 | J |
| 21. 007320-53-8 | Dibenzofuran, 4-methyl- | 16.35 | 2300 | JN |
| 22. 000779-02-2 | Anthracene, 9-methyl- | 19.37 | 2000 | JN |
| 23. | unknown | 19.61 | 1000 | J |
| 24. | unknown | 21.81 | 7100 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**220dl**

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.18dl

Sample wt/vol: 10.7 (g/ml) G Lab File ID: BNA00563.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 4.8 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 9800 | U |
| 62-75-9 | N-nitroso-dimethylamine | 9800 | U |
| 62-53-3 | Aniline | 9800 | U |
| 108-95-2 | Phenol | 9800 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 9800 | U |
| 95-57-8 | 2-Chlorophenol | 9800 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 9800 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 9800 | U |
| 100-51-6 | Benzyl alcohol | 9800 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 9800 | U |
| | 2-Methylphenol | 9800 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 9800 | U |
| | 4-Methylphenol | 9800 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 9800 | U |
| 67-72-1 | Hexachloroethane | 9800 | U |
| 98-95-3 | Nitrobenzene | 9800 | U |
| 78-59-1 | Isophorone | 9800 | U |
| 88-75-5 | 2-Nitrophenol | 9800 | U |
| 105-67-9 | 2,4-Dimethylphenol | 9800 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 9800 | U |
| 120-83-2 | 2,4-Dichlorophenol | 9800 | U |
| 65-85-0 | Benzoic Acid | 9800 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 9800 | U |
| 91-20-3 | Naphthalene | 4000 | JD |
| 106-47-8 | 4-Chloroaniline | 9800 | U |
| 87-68-3 | Hexachlorobutadiene | 9800 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 9800 | U |
| 91-57-6 | 2-Methylnaphthalene | 7600 | JD |
| 77-47-4 | Hexachlorocyclopentadiene | 9800 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 9800 | U |
| | 2,4,5-Trichlorophenol | 9800 | U |
| 91-58-7 | 2-Chloronaphthalene | 9800 | U |
| 88-74-4 | 2-Nitroaniline | 9800 | U |
| 131-11-3 | Dimethylphthalate | 9800 | U |
| 208-96-8 | Acenaphthylene | 6100 | JD |
| 606-20-2 | 2,6-Dinitrotoluene | 9800 | U |
| 99-09-2 | 3-Nitroaniline | 9800 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**220dl**

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.18dl

Sample wt/vol: 10.7 (g/ml) G Lab File ID: BNA00563.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 4.8 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

| CAS NO. | COMPOUND | | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 9800 | U |
| 51-28-5 | 2,4-Dinitrophenol | 9800 | U |
| 132-64-9 | Dibenzofuran | 9800 | U |
| 100-02-7 | 4-Nitrophenol | 9800 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 9800 | U |
| 84-66-2 | Diethylphthalate | 9800 | U |
| 86-73-7 | Fluorene | 9800 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 9800 | U |
| 100-01-6 | 4-Nitroaniline | 9800 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 9800 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 9800 | U |
| 103-33-3 | Azobenzene | 9800 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 9800 | U |
| 118-74-1 | Hexachlorobenzene | 9800 | U |
| 87-86-5 | Pentachlorophenol | 9800 | U |
| 85-01-8 | Phenanthrene | 55000 | D |
| 120-12-7 | Anthracene | 6700 | JD |
| 84-74-2 | Di-n-butylphthalate | 9800 | U |
| 206-44-0 | Fluoranthene | 23000 | D |
| 92-87-5 | Benzidine | 9800 | U |
| 129-00-0 | Pyrene | 44000 | D |
| 85-68-7 | Butylbenzylphthalate | 9800 | U |
| 56-55-3 | Benzo[a]anthracene | 14000 | D |
| 91-94-1 | 3,3'-Dichlorobenzidine | 9800 | U |
| 218-01-9 | Chrysene | 25000 | D |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 9800 | U |
| 117-84-0 | Di-n-octylphthalate | 9800 | U |
| 205-99-2 | Benzo[b]fluoranthene | 4700 | JD |
| 207-08-9 | Benzo[k]fluoranthene | 9000 | JD |
| 50-32-8 | Benzo[a]pyrene | 8900 | JD |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 19000 | D |
| 53-70-3 | Dibenz[a,h]anthracene | 25000 | D |
| 191-24-2 | Benzo[g,h,i]perylene | 22000 | D |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

221

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.20

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BNA00564.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 11.46 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1100 | U |
| 108-95-2 | Phenol | 1100 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1100 | U |
| 100-51-6 | Benzyl alcohol | 1100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1100 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1100 | U |
| | 4-Methylphenol | 1100 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1100 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1100 | U |
| 78-59-1 | Isophorone | 1100 | U |
| 88-75-5 | 2-Nitrophenol | 1100 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1100 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1100 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1100 | U |
| 91-20-3 | Naphthalene | 1100 | U |
| 106-47-8 | 4-Chloroaniline | 1100 | U |
| 87-68-3 | Hexachlorobutadiene | 1100 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1100 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1100 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 1100 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 1100 | U |
| 208-96-8 | Acenaphthylene | 120 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 221

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.20

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BNA00564.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 11.46 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1100 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1100 | U |
| 84-66-2 | Diethylphthalate | 1100 | U |
| 86-73-7 | Fluorene | 1100 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1100 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1100 | U |
| 103-33-3 | Azobenzene | 1100 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1100 | U |
| 118-74-1 | Hexachlorobenzene | 1100 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 560 | J |
| 120-12-7 | Anthracene | 1100 | U |
| 84-74-2 | Di-n-butylphthalate | 220 | JB |
| 206-44-0 | Fluoranthene | 640 | J |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 900 | J |
| 85-68-7 | Butylbenzylphthalate | 1100 | U |
| 56-55-3 | Benzo[a]anthracene | 320 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1100 | U |
| 218-01-9 | Chrysene | 680 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1100 | U |
| 117-84-0 | Di-n-octylphthalate | 1100 | U |
| 205-99-2 | Benzo[b]fluoranthene | 330 | J |
| 207-08-9 | Benzo[k]fluoranthene | 430 | J |
| 50-32-8 | Benzo[a]pyrene | 360 | 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

221

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.20

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BNA00564.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 11.46 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 14 (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000072-54-8 | 1,1-Dichloro-2,2-bis(p-chlorophen | 22.73 | 3000 | JN |
| 2. 000050-29-3 | Chlorophenothane | 23.40 | 1100 | JN |
| 3. 000629-96-9 | 1-Eicosanol | 24.41 | 2900 | JN |
| 4. 002136-71-2 | Ethanol, 2-(hexadecyloxy)- | 25.94 | 3000 | JN |
| 5. 056554-91-7 | 12-Octadecenal | 26.93 | 2200 | JN |
| 6. 000638-66-4 | Octadecanal | 28.29 | 2400 | JN |
| 7. 000646-31-1 | Tetracosane | 28.65 | 3900 | JN |
| 8. | unknown | 28.79 | 1100 | J |
| 9. 056554-87-1 | 16-Octadecenal | 29.59 | 2900 | JN |
| 10. | unknown | 29.74 | 1800 | J |
| 11. | unknown | 29.95 | 4600 | J |
| 12. | unknown | 30.17 | 1200 | J |
| 13. | unknown | 30.49 | 910 | J |
| 14. | unknown | 31.20 | 1500 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 222

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.22

Sample wt/vol: 10.31 (g/ml) G Lab File ID: BNA00565.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 13.04 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1100 | U |
| 108-95-2 | Phenol | 1100 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1100 | U |
| 100-51-6 | Benzyl alcohol | 1100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1100 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1100 | U |
| | 4-Methylphenol | 1100 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1100 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1100 | U |
| 78-59-1 | Isophorone | 1100 | U |
| 88-75-5 | 2-Nitrophenol | 1100 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1100 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1100 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1100 | U |
| 91-20-3 | Naphthalene | 1100 | U |
| 106-47-8 | 4-Chloroaniline | 1100 | U |
| 87-68-3 | Hexachlorobutadiene | 1100 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1100 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1100 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 1100 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 1100 | U |
| 208-96-8 | Acenaphthylene | 1100 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 222

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.22

Sample wt/vol: 10.31 (g/ml) G Lab File ID: BNA00565.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 13.04 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1100 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1100 | U |
| 84-66-2 | Diethylphthalate | 1100 | U |
| 86-73-7 | Fluorene | 1100 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1100 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1100 | U |
| 103-33-3 | Azobenzene | 1100 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1100 | U |
| 118-74-1 | Hexachlorobenzene | 1100 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 220 | J |
| 120-12-7 | Anthracene | 1100 | U |
| 84-74-2 | Di-n-butylphthalate | 1000 | JB |
| 206-44-0 | Fluoranthene | 270 | J |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 370 | J |
| 85-68-7 | Butylbenzylphthalate | 1100 | U |
| 56-55-3 | Benzo[a]anthracene | 160 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1100 | U |
| 218-01-9 | Chrysene | 290 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1100 | U |
| 117-84-0 | Di-n-octylphthalate | 1100 | U |
| 205-99-2 | Benzo[b]fluoranthene | 140 | J |
| 207-08-9 | Benzo[k]fluoranthene | 180 | 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

222

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3809 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3809.22

Sample wt/vol: 10.31 (g/ml) G Lab File ID: BNA00565.D

Level: (low/med) LOW Date Received: 08/13/98

% Moisture: 13.04 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 19 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 017851-53-5 | 1,2-Benzenedicarboxylic acid, but | 18.94 | 1400 | JN |
| 2. 056554-86-0 | 17-Octadecenal | 23.91 | 1300 | JN |
| 3. 000629-96-9 | 1-Eicosanol | 24.41 | 4800 | JN |
| 4. 056554-86-0 | 17-Octadecenal | 25.48 | 1300 | JN |
| 5. 000295-48-7 | Cyclopentadecane | 25.94 | 4700 | JN |
| 6. 000112-85-6 | Docosanoic acid | 26.48 | 2500 | JN |
| 7. 000000-00-0 | 1-Hexacosanal | 26.93 | 2800 | JN |
| 8. 000000-00-0 | 2-Pentacosanone | 27.48 | 990 | JN |
| 9. | unknown | 27.87 | 1000 | J |
| 10. 000629-80-1 | Hexadecanal | 28.29 | 2400 | JN |
| 11. 000630-06-8 | Hexatriacontane | 28.65 | 3600 | JN |
| 12. | unknown | 28.80 | 1300 | J |
| 13. 056554-86-0 | 17-Octadecenal | 29.60 | 2300 | JN |
| 14. | unknown | 29.95 | 2700 | J |
| 15. | unknown | 30.17 | 1400 | J |
| 16. | unknown | 30.28 | 2400 | J |
| 17. 000127-22-0 | Taraxerol | 30.49 | 2600 | JN |
| 18. | unknown | 31.20 | 950 | J |
| 19. | unknown | 32.35 | 1400 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 223

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.02

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BNA00580.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 5.72 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1100 | U |
| 108-95-2 | Phenol | 1100 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1100 | U |
| 100-51-6 | Benzyl alcohol | 1100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1100 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1100 | U |
| | 4-Methylphenol | 1100 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1100 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1100 | U |
| 78-59-1 | Isophorone | 1100 | U |
| 88-75-5 | 2-Nitrophenol | 1100 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1100 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1100 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1100 | U |
| 91-20-3 | Naphthalene | 1100 | U |
| 106-47-8 | 4-Chloroaniline | 1100 | U |
| 87-68-3 | Hexachlorobutadiene | 1100 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1100 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1100 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 1100 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 1100 | U |
| 208-96-8 | Acenaphthylene | 260 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 223

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.02

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BNA00580.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 5.72 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1100 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1100 | U |
| 84-66-2 | Diethylphthalate | 1100 | U |
| 86-73-7 | Fluorene | 1100 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1100 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1100 | U |
| 103-33-3 | Azobenzene | 1100 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1100 | U |
| 118-74-1 | Hexachlorobenzene | 1100 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 1000 | J |
| 120-12-7 | Anthracene | 150 | J |
| 84-74-2 | Di-n-butylphthalate | 310 | JB |
| 206-44-0 | Fluoranthene | 1300 | |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 1900 | |
| 85-68-7 | Butylbenzylphthalate | 1100 | U |
| 56-55-3 | Benzo[a]anthracene | 700 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1100 | U |
| 218-01-9 | Chrysene | 1500 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1100 | U |
| 117-84-0 | Di-n-octylphthalate | 1100 | U |
| 205-99-2 | Benzo[b]fluoranthene | 670 | J |
| 207-08-9 | Benzo[k]fluoranthene | 720 | J |
| 50-32-8 | Benzo[a]pyrene | 770 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 550 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 1100 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 490 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

223

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.02

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BNA00580.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 5.72 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

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. 074685-30-6 | 5-Eicosene, (E)- | 24.41 | 2800 | JN |
| 2. 000295-65-8 | Cyclohexadecane | 25.94 | 1800 | JN |
| 3. 000000-00-0 | 1-Hexacosanal | 26.94 | 2300 | JN |
| 4. 000112-95-8 | Eicosane | 27.35 | 4200 | JN |
| 5. 000638-66-4 | Octadecanal | 28.29 | 2000 | JN |
| 6. 000630-07-9 | Pentatriacontane | 28.65 | 4000 | JN |
| 7. 056554-87-1 | 16-Octadecenal | 29.59 | 2600 | JN |
| 8. 000630-06-8 | Hexatriacontane | 29.96 | 2300 | JN |
| 9. 007390-81-0 | Oxirane, hexadecyl- | 31.21 | 2000 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 224

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.04

Sample wt/vol: 11.02 (g/ml) G Lab File ID: BNA00581.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 3.99 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

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 | 950 | U |
| 62-75-9 | N-nitroso-dimethylamine | 950 | U |
| 62-53-3 | Aniline | 950 | U |
| 108-95-2 | Phenol | 950 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 950 | U |
| 95-57-8 | 2-Chlorophenol | 950 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 950 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 950 | U |
| 100-51-6 | Benzyl alcohol | 950 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 950 | U |
| | 2-Methylphenol | 950 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 950 | U |
| | 4-Methylphenol | 950 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 950 | U |
| 67-72-1 | Hexachloroethane | 950 | U |
| 98-95-3 | Nitrobenzene | 950 | U |
| 78-59-1 | Isophorone | 950 | U |
| 88-75-5 | 2-Nitrophenol | 950 | U |
| 105-67-9 | 2,4-Dimethylphenol | 950 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 950 | U |
| 120-83-2 | 2,4-Dichlorophenol | 950 | U |
| 65-85-0 | Benzoic Acid | 950 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 950 | U |
| 91-20-3 | Naphthalene | 950 | U |
| 106-47-8 | 4-Chloroaniline | 950 | U |
| 87-68-3 | Hexachlorobutadiene | 950 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 950 | U |
| 91-57-6 | 2-Methylnaphthalene | 950 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 950 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 950 | U |
| | 2,4,5-Trichlorophenol | 950 | U |
| 91-58-7 | 2-Chloronaphthalene | 950 | U |
| 88-74-4 | 2-Nitroaniline | 950 | U |
| 131-11-3 | Dimethylphthalate | 950 | U |
| 208-96-8 | Acenaphthylene | 950 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 950 | U |
| 99-09-2 | 3-Nitroaniline | 950 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 224

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.04

Sample wt/vol: 11.02 (g/ml) G Lab File ID: BNA00581.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 3.99 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

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 | 950 | U |
| 51-28-5 | 2,4-Dinitrophenol | 950 | U |
| 132-64-9 | Dibenzofuran | 950 | U |
| 100-02-7 | 4-Nitrophenol | 950 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 950 | U |
| 84-66-2 | Diethylphthalate | 950 | U |
| 86-73-7 | Fluorene | 950 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 950 | U |
| 100-01-6 | 4-Nitroaniline | 950 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 950 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 950 | U |
| 103-33-3 | Azobenzene | 950 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 950 | U |
| 118-74-1 | Hexachlorobenzene | 950 | U |
| 87-86-5 | Pentachlorophenol | 950 | U |
| 85-01-8 | Phenanthrene | 950 | U |
| 120-12-7 | Anthracene | 950 | U |
| 84-74-2 | Di-n-butylphthalate | 490 | JB |
| 206-44-0 | Fluoranthene | 95 | J |
| 92-87-5 | Benzidine | 950 | U |
| 129-00-0 | Pyrene | 110 | J |
| 85-68-7 | Butylbenzylphthalate | 950 | U |
| 56-55-3 | Benzo[a]anthracene | 950 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 950 | U |
| 218-01-9 | Chrysene | 950 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 950 | U |
| 117-84-0 | Di-n-octylphthalate | 950 | U |
| 205-99-2 | Benzo[b]fluoranthene | 950 | U |
| 207-08-9 | Benzo[k]fluoranthene | 950 | U |
| 50-32-8 | Benzo[a]pyrene | 950 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 950 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 950 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 950 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

224

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.04

Sample wt/vol: 11.02 (g/ml) G Lab File ID: BNA00581.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 3.99 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 18.93 | 910 | JN |
| 2. 001599-67-3 | 1-Docosene | 24.41 | 4300 | JN |
| 3. 006624-79-9 | 1-Dotriacontanol | 25.93 | 1300 | JN |
| 4. 000000-00-0 | 1-Hexacosanal | 26.93 | 2300 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

225

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.06

Sample wt/vol: 10.4 (g/ml) G Lab File ID: BNA00582.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 3.93 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 120 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 225

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.06

Sample wt/vol: 10.4 (g/ml) G Lab File ID: BNA00582.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 3.93 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1000 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1000 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1000 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1000 | U |
| 118-74-1 | Hexachlorobenzene | 1000 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 420 | J |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 210 | JB |
| 206-44-0 | Fluoranthene | 710 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 890 | J |
| 85-68-7 | Butylbenzylphthalate | 1000 | U |
| 56-55-3 | Benzo[a]anthracene | 240 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1000 | U |
| 218-01-9 | Chrysene | 720 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1000 | U |
| 117-84-0 | Di-n-octylphthalate | 1000 | U |
| 205-99-2 | Benzo[b]fluoranthene | 320 | J |
| 207-08-9 | Benzo[k]fluoranthene | 380 | J |
| 50-32-8 | Benzo[a]pyrene | 280 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 1000 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 210 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

225

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.06

Sample wt/vol: 10.4 (g/ml) G Lab File ID: BNA00582.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 3.93 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

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. 001454-84-8 | 1-Nonadecanol | 24.42 | 4300 | JN |
| 2. 040710-42-7 | 1-Hentetracontanol | 25.94 | 2200 | JN |
| 3. 000000-00-0 | 1-Hexacosanal | 26.93 | 1300 | JN |
| 4. 000638-66-4 | Octadecanal | 28.29 | 840 | JN |
| 5. 000630-06-8 | Hexatriacontane | 28.65 | 1900 | JN |
| 6. 000629-96-9 | 1-Eicosanol | 28.69 | 1500 | JN |
| 7. 056554-86-0 | 17-Octadecenal | 29.59 | 1700 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 226

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.08

Sample wt/vol: 10.55 (g/ml) G Lab File ID: BNA00583.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 6.22 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 110 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

226

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.08

Sample wt/vol: 10.55 (g/ml) G Lab File ID: BNA00583.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 6.22 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1000 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1000 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1000 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1000 | U |
| 118-74-1 | Hexachlorobenzene | 1000 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 360 | J |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 530 | JB |
| 206-44-0 | Fluoranthene | 500 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 700 | 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 | 610 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1000 | U |
| 117-84-0 | Di-n-octylphthalate | 1000 | U |
| 205-99-2 | Benzo[b]fluoranthene | 310 | J |
| 207-08-9 | Benzo[k]fluoranthene | 360 | J |
| 50-32-8 | Benzo[a]pyrene | 320 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 200 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 1000 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 190 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

226

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.08

Sample wt/vol: 10.55 (g/ml) G Lab File ID: BNA00583.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 6.22 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

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. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 18.94 | 880 | JN |
| 2. 000109-29-5 | Oxacycloheptadecan-2-one | 19.74 | 870 | JN |
| 3. 000112-88-9 | 1-Octadecene | 24.42 | 4400 | JN |
| 4. 000295-65-8 | Cyclohexadecane | 25.94 | 3000 | JN |
| 5. 000000-00-0 | 1-Hexacosanal | 26.94 | 1600 | JN |
| 6. 000629-92-5 | Nonadecane | 27.35 | 4000 | JN |
| 7. | unknown | 28.29 | 1400 | J |
| 8. 007098-22-8 | Tetratetracontane | 28.65 | 2100 | JN |
| 9. | unknown | 28.69 | 2000 | J |
| 10. 000629-80-1 | Hexadecanal | 29.60 | 1800 | JN |
| 11. | unknown | 29.95 | 1800 | J |
| 12. | unknown | 31.21 | 1300 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 227

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.10

Sample wt/vol: 10.42 (g/ml) G Lab File ID: BNA00584.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 20.13 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1200 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1200 | U |
| 62-53-3 | Aniline | 1200 | U |
| 108-95-2 | Phenol | 1200 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1200 | U |
| 95-57-8 | 2-Chlorophenol | 1200 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1200 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1200 | U |
| 100-51-6 | Benzyl alcohol | 1200 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1200 | U |
| | 2-Methylphenol | 1200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1200 | U |
| | 4-Methylphenol | 1200 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1200 | U |
| 67-72-1 | Hexachloroethane | 1200 | U |
| 98-95-3 | Nitrobenzene | 1200 | U |
| 78-59-1 | Isophorone | 1200 | U |
| 88-75-5 | 2-Nitrophenol | 1200 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1200 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1200 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1200 | U |
| 65-85-0 | Benzoic Acid | 1200 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1200 | U |
| 91-20-3 | Naphthalene | 1200 | U |
| 106-47-8 | 4-Chloroaniline | 1200 | U |
| 87-68-3 | Hexachlorobutadiene | 1200 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1200 | U |
| 91-57-6 | 2-Methylnaphthalene | 1200 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1200 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1200 | U |
| | 2,4,5-Trichlorophenol | 1200 | U |
| 91-58-7 | 2-Chloronaphthalene | 1200 | U |
| 88-74-4 | 2-Nitroaniline | 1200 | U |
| 131-11-3 | Dimethylphthalate | 1200 | U |
| 208-96-8 | Acenaphthylene | 1200 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1200 | U |
| 99-09-2 | 3-Nitroaniline | 1200 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 227

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.10

Sample wt/vol: 10.42 (g/ml) G Lab File ID: BNA00584.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 20.13 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1200 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1200 | U |
| 132-64-9 | Dibenzofuran | 1200 | U |
| 100-02-7 | 4-Nitrophenol | 1200 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1200 | U |
| 84-66-2 | Diethylphthalate | 1200 | U |
| 86-73-7 | Fluorene | 1200 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1200 | U |
| 100-01-6 | 4-Nitroaniline | 1200 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1200 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1200 | U |
| 103-33-3 | Azobenzene | 1200 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1200 | U |
| 118-74-1 | Hexachlorobenzene | 1200 | U |
| 87-86-5 | Pentachlorophenol | 1200 | U |
| 85-01-8 | Phenanthrene | 1200 | U |
| 120-12-7 | Anthracene | 1200 | U |
| 84-74-2 | Di-n-butylphthalate | 210 | JB |
| 206-44-0 | Fluoranthene | 1200 | U |
| 92-87-5 | Benzidine | 1200 | U |
| 129-00-0 | Pyrene | 140 | 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 | 1200 | U |
| 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

227

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.10

Sample wt/vol: 10.42 (g/ml) G Lab File ID: BNA00584.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 20.13 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 228

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.12

Sample wt/vol: 11.02 (g/ml) G Lab File ID: BNA00585.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 11.57 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 1000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 228

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.12

Sample wt/vol: 11.02 (g/ml) G Lab File ID: BNA00585.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 11.57 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

| CAS NO. | COMPOUND | | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 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 | 670 | JB |
| 206-44-0 | Fluoranthene | 160 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 270 | 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 | 200 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1000 | U |
| 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

228

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.12

Sample wt/vol: 11.02 (g/ml) G Lab File ID: BNA00585.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 11.57 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

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 | 17.46 | 850 | J |
| 2. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 18.94 | 1200 | JN |
| 3. 074685-30-6 | 5-Eicosene, (E)- | 24.41 | 4000 | JN |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

229

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.14

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BNA00586.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 7.1 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1100 | U |
| 108-95-2 | Phenol | 1100 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1100 | U |
| 100-51-6 | Benzyl alcohol | 1100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1100 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1100 | U |
| | 4-Methylphenol | 1100 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1100 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1100 | U |
| 78-59-1 | Isophorone | 1100 | U |
| 88-75-5 | 2-Nitrophenol | 1100 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1100 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1100 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1100 | U |
| 91-20-3 | Naphthalene | 1100 | U |
| 106-47-8 | 4-Chloroaniline | 1100 | U |
| 87-68-3 | Hexachlorobutadiene | 1100 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1100 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1100 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 1100 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 1100 | U |
| 208-96-8 | Acenaphthylene | 1100 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 229

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.14

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BNA00586.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 7.1 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1100 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1100 | U |
| 84-66-2 | Diethylphthalate | 1100 | U |
| 86-73-7 | Fluorene | 1100 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1100 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1100 | U |
| 103-33-3 | Azobenzene | 1100 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1100 | U |
| 118-74-1 | Hexachlorobenzene | 1100 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 280 | J |
| 120-12-7 | Anthracene | 1100 | U |
| 84-74-2 | Di-n-butylphthalate | 710 | JB |
| 206-44-0 | Fluoranthene | 290 | J |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 430 | J |
| 85-68-7 | Butylbenzylphthalate | 1100 | U |
| 56-55-3 | Benzo[a]anthracene | 160 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1100 | U |
| 218-01-9 | Chrysene | 340 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1100 | U |
| 117-84-0 | Di-n-octylphthalate | 1100 | U |
| 205-99-2 | Benzo[b]fluoranthene | 130 | J |
| 207-08-9 | Benzo[k]fluoranthene | 200 | 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

229

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.14

Sample wt/vol: 9.99 (g/ml) G Lab File ID: BNA00586.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 7.1 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

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 | 18.94 | 980 | J |
| 2. 077899-03-7 | 1-Heneicosyl formate | 24.43 | 9300 | JN |
| 3. 001599-67-3 | 1-Docosene | 25.94 | 3100 | JN |
| 4. 002363-71-5 | Heneicosanoic acid | 26.48 | 930 | JN |
| 5. 000000-00-0 | 1-Hexacosanal | 26.94 | 1400 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 230

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.16

Sample wt/vol: 11.04 (g/ml) G Lab File ID: BNA00587.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 5.68 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

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 | 960 | U |
| 62-75-9 | N-nitroso-dimethylamine | 960 | U |
| 62-53-3 | Aniline | 960 | U |
| 108-95-2 | Phenol | 960 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 960 | U |
| 95-57-8 | 2-Chlorophenol | 960 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 960 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 960 | U |
| 100-51-6 | Benzyl alcohol | 960 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 960 | U |
| | 2-Methylphenol | 960 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 960 | U |
| | 4-Methylphenol | 960 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 960 | U |
| 67-72-1 | Hexachloroethane | 960 | U |
| 98-95-3 | Nitrobenzene | 960 | U |
| 78-59-1 | Isophorone | 960 | U |
| 88-75-5 | 2-Nitrophenol | 960 | U |
| 105-67-9 | 2,4-Dimethylphenol | 960 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 960 | U |
| 120-83-2 | 2,4-Dichlorophenol | 960 | U |
| 65-85-0 | Benzoic Acid | 960 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 960 | U |
| 91-20-3 | Naphthalene | 960 | U |
| 106-47-8 | 4-Chloroaniline | 960 | U |
| 87-68-3 | Hexachlorobutadiene | 960 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 960 | U |
| 91-57-6 | 2-Methylnaphthalene | 960 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 960 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 960 | U |
| | 2,4,5-Trichlorophenol | 960 | U |
| 91-58-7 | 2-Chloronaphthalene | 960 | U |
| 88-74-4 | 2-Nitroaniline | 960 | U |
| 131-11-3 | Dimethylphthalate | 960 | U |
| 208-96-8 | Acenaphthylene | 960 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 960 | U |
| 99-09-2 | 3-Nitroaniline | 960 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 230

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.16

Sample wt/vol: 11.04 (g/ml) G Lab File ID: BNA00587.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 5.68 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

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 | 960 | U |
| 51-28-5 | 2,4-Dinitrophenol | 960 | U |
| 132-64-9 | Dibenzofuran | 960 | U |
| 100-02-7 | 4-Nitrophenol | 960 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 960 | U |
| 84-66-2 | Diethylphthalate | 960 | U |
| 86-73-7 | Fluorene | 960 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 960 | U |
| 100-01-6 | 4-Nitroaniline | 960 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 960 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 960 | U |
| 103-33-3 | Azobenzene | 960 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 960 | U |
| 118-74-1 | Hexachlorobenzene | 960 | U |
| 87-86-5 | Pentachlorophenol | 960 | U |
| 85-01-8 | Phenanthrene | 310 | J |
| 120-12-7 | Anthracene | 960 | U |
| 84-74-2 | Di-n-butylphthalate | 470 | JB |
| 206-44-0 | Fluoranthene | 360 | J |
| 92-87-5 | Benzidine | 960 | U |
| 129-00-0 | Pyrene | 550 | J |
| 85-68-7 | Butylbenzylphthalate | 960 | U |
| 56-55-3 | Benzo[a]anthracene | 190 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 960 | U |
| 218-01-9 | Chrysene | 450 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 960 | U |
| 117-84-0 | Di-n-octylphthalate | 960 | U |
| 205-99-2 | Benzo[b]fluoranthene | 180 | J |
| 207-08-9 | Benzo[k]fluoranthene | 210 | J |
| 50-32-8 | Benzo[a]pyrene | 210 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 120 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 960 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 130 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

230

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.16

Sample wt/vol: 11.04 (g/ml) G Lab File ID: BNA00587.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 5.68 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 11 (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 18.94 | 780 | JN |
| 2. 001454-84-8 | 1-Nonadecanol | 24.41 | 3900 | JN |
| 3. 001599-67-3 | 1-Docosene | 25.93 | 2500 | JN |
| 4. 000000-00-0 | 1-Hexacosanal | 26.93 | 1400 | JN |
| 5. | unknown | 27.35 | 3800 | J |
| 6. | unknown | 28.28 | 1300 | J |
| 7. 000629-99-2 | Pentacosane | 28.64 | 2800 | JN |
| 8. | unknown | 28.68 | 1900 | J |
| 9. 000638-66-4 | Octadecanal | 29.59 | 1400 | JN |
| 10. 000629-94-7 | Heneicosane | 29.95 | 1200 | JN |
| 11. | unknown | 31.20 | 1100 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 231

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.18

Sample wt/vol: 10.85 (g/ml) G Lab File ID: BNA00588.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 4.51 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

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 | 970 | U |
| 62-75-9 | N-nitroso-dimethylamine | 970 | U |
| 62-53-3 | Aniline | 970 | U |
| 108-95-2 | Phenol | 970 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 970 | U |
| 95-57-8 | 2-Chlorophenol | 970 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 970 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 970 | U |
| 100-51-6 | Benzyl alcohol | 970 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 970 | U |
| | 2-Methylphenol | 970 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 970 | U |
| | 4-Methylphenol | 970 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 970 | U |
| 67-72-1 | Hexachloroethane | 970 | U |
| 98-95-3 | Nitrobenzene | 970 | U |
| 78-59-1 | Isophorone | 970 | U |
| 88-75-5 | 2-Nitrophenol | 970 | U |
| 105-67-9 | 2,4-Dimethylphenol | 970 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 970 | U |
| 120-83-2 | 2,4-Dichlorophenol | 970 | U |
| 65-85-0 | Benzoic Acid | 970 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 970 | U |
| 91-20-3 | Naphthalene | 970 | U |
| 106-47-8 | 4-Chloroaniline | 970 | U |
| 87-68-3 | Hexachlorobutadiene | 970 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 970 | U |
| 91-57-6 | 2-Methylnaphthalene | 970 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 970 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 970 | U |
| | 2,4,5-Trichlorophenol | 970 | U |
| 91-58-7 | 2-Chloronaphthalene | 970 | U |
| 88-74-4 | 2-Nitroaniline | 970 | U |
| 131-11-3 | Dimethylphthalate | 970 | U |
| 208-96-8 | Acenaphthylene | 970 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 970 | U |
| 99-09-2 | 3-Nitroaniline | 970 | U |

1C

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

231

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.18

Sample wt/vol: 10.85 (g/ml) G Lab File ID: BNA00588.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 4.51 decanted:(Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

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 | 970 | U |
| 51-28-5 | 2,4-Dinitrophenol | 970 | U |
| 132-64-9 | Dibenzofuran | 970 | U |
| 100-02-7 | 4-Nitrophenol | 970 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 970 | U |
| 84-66-2 | Diethylphthalate | 970 | U |
| 86-73-7 | Fluorene | 970 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 970 | U |
| 100-01-6 | 4-Nitroaniline | 970 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 970 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 970 | U |
| 103-33-3 | Azobenzene | 970 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 970 | U |
| 118-74-1 | Hexachlorobenzene | 970 | U |
| 87-86-5 | Pentachlorophenol | 970 | U |
| 85-01-8 | Phenanthrene | 970 | U |
| 120-12-7 | Anthracene | 970 | U |
| 84-74-2 | Di-n-butylphthalate | 160 | JB |
| 206-44-0 | Fluoranthene | 250 | J |
| 92-87-5 | Benzidine | 970 | U |
| 129-00-0 | Pyrene | 380 | J |
| 85-68-7 | Butylbenzylphthalate | 970 | U |
| 56-55-3 | Benzo[a]anthracene | 130 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 970 | U |
| 218-01-9 | Chrysene | 350 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 970 | U |
| 117-84-0 | Di-n-octylphthalate | 970 | U |
| 205-99-2 | Benzo[b]fluoranthene | 140 | J |
| 207-08-9 | Benzo[k]fluoranthene | 160 | J |
| 50-32-8 | Benzo[a]pyrene | 150 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 970 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 970 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 970 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

231

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3812 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3812.18

Sample wt/vol: 10.85 (g/ml) G Lab File ID: BNA00588.D

Level: (low/med) LOW Date Received: 08/14/98

% Moisture: 4.51 decanted: (Y/N) N Date Extracted: 08/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 074685-30-6 | 5-Eicosene, (E)- | 24.41 | 3400 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 232

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.02

Sample wt/vol: 10.58 (g/ml) G Lab File ID: BNA00608.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 7.24 decanted:(Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/15/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 1000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 232

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.02

Sample wt/vol: 10.58 (g/ml) G Lab File ID: BNA00608.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 7.24 decanted:(Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/15/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1000 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1000 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1000 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1000 | U |
| 118-74-1 | Hexachlorobenzene | 1000 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 1000 | U |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 420 | J |
| 206-44-0 | Fluoranthene | 130 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 200 | 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 | 1000 | U |
| 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

232

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.02

Sample wt/vol: 10.58 (g/ml) G Lab File ID: BNA00608.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 7.24 decanted: (Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/15/98

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. 074685-30-6 | 5-Eicosene, (E)- | 24.41 | 5100 | JN |
| 2. 040710-42-7 | 1-Hentetracontanol | 25.93 | 2100 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 233

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.04

Sample wt/vol: 10.77 (g/ml) G Lab File ID: BNA00589.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 11.6 decanted:(Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1100 | U |
| 108-95-2 | Phenol | 1100 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1100 | U |
| 100-51-6 | Benzyl alcohol | 1100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1100 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1100 | U |
| | 4-Methylphenol | 1100 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1100 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1100 | U |
| 78-59-1 | Isophorone | 1100 | U |
| 88-75-5 | 2-Nitrophenol | 1100 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1100 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1100 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1100 | U |
| 91-20-3 | Naphthalene | 1100 | U |
| 106-47-8 | 4-Chloroaniline | 1100 | U |
| 87-68-3 | Hexachlorobutadiene | 1100 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1100 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1100 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 1100 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 1100 | U |
| 208-96-8 | Acenaphthylene | 230 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

233

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.04

Sample wt/vol: 10.77 (g/ml) G Lab File ID: BNA00589.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 11.6 decanted:(Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1100 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1100 | U |
| 84-66-2 | Diethylphthalate | 1100 | U |
| 86-73-7 | Fluorene | 1100 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1100 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1100 | U |
| 103-33-3 | Azobenzene | 1100 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1100 | U |
| 118-74-1 | Hexachlorobenzene | 1100 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 590 | J |
| 120-12-7 | Anthracene | 170 | J |
| 84-74-2 | Di-n-butylphthalate | 450 | J |
| 206-44-0 | Fluoranthene | 950 | J |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 1200 | |
| 85-68-7 | Butylbenzylphthalate | 1100 | U |
| 56-55-3 | Benzo[a]anthracene | 570 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1100 | U |
| 218-01-9 | Chrysene | 1000 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1100 | U |
| 117-84-0 | Di-n-octylphthalate | 1100 | U |
| 205-99-2 | Benzo[b]fluoranthene | 450 | J |
| 207-08-9 | Benzo[k]fluoranthene | 620 | J |
| 50-32-8 | Benzo[a]pyrene | 570 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 330 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 1100 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 290 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

233

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.04

Sample wt/vol: 10.77 (g/ml) G Lab File ID: BNA00589.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 11.6 decanted: (Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

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. 007704-34-9 | Sulfur | 20.65 | 1500 | JN |
| 2. 077899-03-7 | 1-Heneicosyl formate | 24.41 | 3900 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 234

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.06

Sample wt/vol: 10.33 (g/ml) G Lab File ID: BNA00590.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 16.48 decanted:(Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1200 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1200 | U |
| 62-53-3 | Aniline | 1200 | U |
| 108-95-2 | Phenol | 1200 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1200 | U |
| 95-57-8 | 2-Chlorophenol | 1200 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1200 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1200 | U |
| 100-51-6 | Benzyl alcohol | 1200 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1200 | U |
| | 2-Methylphenol | 1200 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1200 | U |
| | 4-Methylphenol | 1200 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1200 | U |
| 67-72-1 | Hexachloroethane | 1200 | U |
| 98-95-3 | Nitrobenzene | 1200 | U |
| 78-59-1 | Isophorone | 1200 | U |
| 88-75-5 | 2-Nitrophenol | 1200 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1200 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1200 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1200 | U |
| 65-85-0 | Benzoic Acid | 1200 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1200 | U |
| 91-20-3 | Naphthalene | 1200 | U |
| 106-47-8 | 4-Chloroaniline | 1200 | U |
| 87-68-3 | Hexachlorobutadiene | 1200 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1200 | U |
| 91-57-6 | 2-Methylnaphthalene | 1200 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1200 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1200 | U |
| | 2,4,5-Trichlorophenol | 1200 | U |
| 91-58-7 | 2-Chloronaphthalene | 1200 | U |
| 88-74-4 | 2-Nitroaniline | 1200 | U |
| 131-11-3 | Dimethylphthalate | 1200 | U |
| 208-96-8 | Acenaphthylene | 1200 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1200 | U |
| 99-09-2 | 3-Nitroaniline | 1200 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 234

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.06

Sample wt/vol: 10.33 (g/ml) G Lab File ID: BNA00590.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 16.48 decanted:(Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

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 | J |
| 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 | 260 | J |
| 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 | 3200 | |
| 120-12-7 | Anthracene | 750 | J |
| 84-74-2 | Di-n-butylphthalate | 580 | J |
| 206-44-0 | Fluoranthene | 5100 | |
| 92-87-5 | Benzidine | 1200 | U |
| 129-00-0 | Pyrene | 4700 | |
| 85-68-7 | Butylbenzylphthalate | 1200 | U |
| 56-55-3 | Benzo[a]anthracene | 2100 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1200 | U |
| 218-01-9 | Chrysene | 3100 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 130 | J |
| 117-84-0 | Di-n-octylphthalate | 1200 | U |
| 205-99-2 | Benzo[b]fluoranthene | 1600 | |
| 207-08-9 | Benzo[k]fluoranthene | 1500 | |
| 50-32-8 | Benzo[a]pyrene | 1600 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 880 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 1200 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 650 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

234

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.06

Sample wt/vol: 10.33 (g/ml) G Lab File ID: BNA00590.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 16.48 decanted: (Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

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. 000629-96-9 | 1-Eicosanol | 24.41 | 5900 | JN |
| 2. 006624-79-9 | 1-Dotriacontanol | 25.93 | 3000 | JN |
| 3. | unknown | 27.35 | 1900 | J |
| 4. 000629-80-1 | Hexadecanal | 28.28 | 1100 | JN |
| 5. 000630-06-8 | Hexatriacontane | 28.64 | 1300 | JN |
| 6. 074685-33-9 | 3-Eicosene, (E)- | 28.68 | 1900 | JN |
| 7. | unknown | 29.59 | 1400 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 235

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.08

Sample wt/vol: 10.58 (g/ml) G Lab File ID: BNA00591.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 9.22 decanted:(Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 1000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

235

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.08

Sample wt/vol: 10.58 (g/ml) G Lab File ID: BNA00591.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 9.22 decanted:(Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1000 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1000 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1000 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1000 | U |
| 118-74-1 | Hexachlorobenzene | 1000 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 370 | J |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 410 | J |
| 206-44-0 | Fluoranthene | 410 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 570 | J |
| 85-68-7 | Butylbenzylphthalate | 1000 | U |
| 56-55-3 | Benzo[a]anthracene | 220 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1000 | U |
| 218-01-9 | Chrysene | 450 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1000 | U |
| 117-84-0 | Di-n-octylphthalate | 1000 | U |
| 205-99-2 | Benzo[b]fluoranthene | 200 | J |
| 207-08-9 | Benzo[k]fluoranthene | 240 | J |
| 50-32-8 | Benzo[a]pyrene | 210 | 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 | 120 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

235

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.08

Sample wt/vol: 10.58 (g/ml) G Lab File ID: BNA00591.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 9.22 decanted: (Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/98

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. 074685-30-6 | 5-Eicosene, (E)- | 24.42 | 6200 | JN |
| 2. 001599-67-3 | 1-Docosene | 25.93 | 2900 | JN |
| 3. 000057-11-4 | Octadecanoic acid | 26.48 | 910 | JN |
| 4. 000000-00-0 | 1-Hexacosanal | 26.93 | 1400 | JN |
| 5. 000124-25-4 | Tetradecanal | 28.29 | 1500 | JN |
| 6. 000630-06-8 | Hexatriacontane | 28.64 | 1900 | JN |
| 7. | unknown | 28.69 | 1800 | J |
| 8. 056554-86-0 | 17-Octadecenal | 29.60 | 2000 | JN |
| 9. | unknown | 29.95 | 1100 | J |
| 10. | unknown | 31.21 | 1000 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 236

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.10

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BNA00609.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 12.85 decanted:(Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/15/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1100 | U |
| 108-95-2 | Phenol | 1100 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1100 | U |
| 100-51-6 | Benzyl alcohol | 1100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1100 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1100 | U |
| | 4-Methylphenol | 1100 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1100 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1100 | U |
| 78-59-1 | Isophorone | 1100 | U |
| 88-75-5 | 2-Nitrophenol | 1100 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1100 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1100 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1100 | U |
| 91-20-3 | Naphthalene | 1100 | U |
| 106-47-8 | 4-Chloroaniline | 1100 | U |
| 87-68-3 | Hexachlorobutadiene | 1100 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1100 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1100 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 1100 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 1100 | U |
| 208-96-8 | Acenaphthylene | 200 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 236

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.10

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BNA00609.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 12.85 decanted:(Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/15/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1100 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1100 | U |
| 84-66-2 | Diethylphthalate | 1100 | U |
| 86-73-7 | Fluorene | 1100 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1100 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1100 | U |
| 103-33-3 | Azobenzene | 1100 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1100 | U |
| 118-74-1 | Hexachlorobenzene | 1100 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 670 | J |
| 120-12-7 | Anthracene | 120 | J |
| 84-74-2 | Di-n-butylphthalate | 280 | J |
| 206-44-0 | Fluoranthene | 700 | J |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 1100 | |
| 85-68-7 | Butylbenzylphthalate | 1100 | U |
| 56-55-3 | Benzo[a]anthracene | 380 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1100 | U |
| 218-01-9 | Chrysene | 860 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1100 | U |
| 117-84-0 | Di-n-octylphthalate | 1100 | U |
| 205-99-2 | Benzo[b]fluoranthene | 340 | J |
| 207-08-9 | Benzo[k]fluoranthene | 420 | J |
| 50-32-8 | Benzo[a]pyrene | 400 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 180 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 1100 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 190 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

236

Lab Name: FMETL NJDEP: M-5

Project: 13461 Case No.: 3827 Location: 980211 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3827.10

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BNA00609.D

Level: (low/med) LOW Date Received: 08/25/98

% Moisture: 12.85 decanted: (Y/N) N Date Extracted: 08/26/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/15/98

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. 000072-54-8 | 1,1-Dichloro-2,2-bis(p-chlorophen | 22.72 | 970 | JN |
| 2. 001454-84-8 | 1-Nonadecanol | 24.41 | 4900 | JN |
| 3. 000295-48-7 | Cyclopentadecane | 25.94 | 4300 | JN |
| 4. 000000-00-0 | 1-Hexacosanal | 26.93 | 1500 | JN |
| 5. 000630-06-8 | Hexatriacontane | 28.64 | 2000 | JN |
| 6. 056554-89-3 | 14-Octadecenal | 29.59 | 1900 | JN |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

237

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.02

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA00701.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 5.93 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1100 | U |
| 108-95-2 | Phenol | 1100 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1100 | U |
| 100-51-6 | Benzyl alcohol | 1100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1100 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1100 | U |
| | 4-Methylphenol | 1100 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1100 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1100 | U |
| 78-59-1 | Isophorone | 1100 | U |
| 88-75-5 | 2-Nitrophenol | 1100 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1100 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1100 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1100 | U |
| 91-20-3 | Naphthalene | 1100 | U |
| 106-47-8 | 4-Chloroaniline | 1100 | U |
| 87-68-3 | Hexachlorobutadiene | 1100 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1100 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1100 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 1100 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 1100 | U |
| 208-96-8 | Acenaphthylene | 1100 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 237

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.02

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA00701.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 5.93 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1100 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1100 | U |
| 84-66-2 | Diethylphthalate | 1100 | U |
| 86-73-7 | Fluorene | 1100 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1100 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1100 | U |
| 103-33-3 | Azobenzene | 1100 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1100 | U |
| 118-74-1 | Hexachlorobenzene | 1100 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 300 | J |
| 120-12-7 | Anthracene | 1100 | U |
| 84-74-2 | Di-n-butylphthalate | 320 | J |
| 206-44-0 | Fluoranthene | 310 | J |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 610 | 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 | 490 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1100 | U |
| 117-84-0 | Di-n-octylphthalate | 1100 | U |
| 205-99-2 | Benzo[b]fluoranthene | 1100 | U |
| 207-08-9 | Benzo[k]fluoranthene | 1100 | U |
| 50-32-8 | Benzo[a]pyrene | 1100 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1100 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 1100 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 1100 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

237

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.02

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BNA00701.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 5.93 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 074685-30-6 | 5-Eicosene, (E)- | 24.38 | 4500 | JN |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

238

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.04

Sample wt/vol: 10.31 (g/ml) G Lab File ID: BNA00702.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 4.67 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 1000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 238

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.04

Sample wt/vol: 10.31 (g/ml) G Lab File ID: BNA00702.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 4.67 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1000 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1000 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1000 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1000 | U |
| 118-74-1 | Hexachlorobenzene | 1000 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 440 | J |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 1000 | U |
| 206-44-0 | Fluoranthene | 350 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 580 | J |
| 85-68-7 | Butylbenzylphthalate | 1000 | U |
| 56-55-3 | Benzo[a]anthracene | 200 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1000 | U |
| 218-01-9 | Chrysene | 410 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1000 | U |
| 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

238

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.04

Sample wt/vol: 10.31 (g/ml) G Lab File ID: BNA00702.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 4.67 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

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. 000050-29-3 | Chlorophenothane | 23.36 | 950 | JN |
| 2. 074685-30-6 | 5-Eicosene, (E)- | 24.38 | 4000 | JN |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

239

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.06

Sample wt/vol: 10.48 (g/ml) G Lab File ID: BNA00703.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 11.08 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1100 | U |
| 108-95-2 | Phenol | 1100 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1100 | U |
| 100-51-6 | Benzyl alcohol | 1100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1100 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1100 | U |
| | 4-Methylphenol | 1100 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1100 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1100 | U |
| 78-59-1 | Isophorone | 1100 | U |
| 88-75-5 | 2-Nitrophenol | 1100 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1100 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1100 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1100 | U |
| 91-20-3 | Naphthalene | 1100 | U |
| 106-47-8 | 4-Chloroaniline | 1100 | U |
| 87-68-3 | Hexachlorobutadiene | 1100 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1100 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1100 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 1100 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 1100 | U |
| 208-96-8 | Acenaphthylene | 340 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |

1C

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

239

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.06

Sample wt/vol: 10.48 (g/ml) G Lab File ID: BNA00703.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 11.08 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1100 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1100 | U |
| 84-66-2 | Diethylphthalate | 1100 | U |
| 86-73-7 | Fluorene | 1100 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1100 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1100 | U |
| 103-33-3 | Azobenzene | 1100 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1100 | U |
| 118-74-1 | Hexachlorobenzene | 1100 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 1000 | J |
| 120-12-7 | Anthracene | 1100 | U |
| 84-74-2 | Di-n-butylphthalate | 190 | J |
| 206-44-0 | Fluoranthene | 950 | J |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 1800 | |
| 85-68-7 | Butylbenzylphthalate | 1100 | U |
| 56-55-3 | Benzo[a]anthracene | 550 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1100 | U |
| 218-01-9 | Chrysene | 1300 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1100 | U |
| 117-84-0 | Di-n-octylphthalate | 1100 | U |
| 205-99-2 | Benzo[b]fluoranthene | 500 | J |
| 207-08-9 | Benzo[k]fluoranthene | 520 | J |
| 50-32-8 | Benzo[a]pyrene | 560 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 240 | 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

239

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.06

Sample wt/vol: 10.48 (g/ml) G Lab File ID: BNA00703.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 11.08 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

240

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.08

Sample wt/vol: 10.88 (g/ml) G Lab File ID: BNA00704.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 11.37 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 260 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 240

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.08

Sample wt/vol: 10.88 (g/ml) G Lab File ID: BNA00704.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 11.37 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1000 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1000 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1000 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1000 | U |
| 118-74-1 | Hexachlorobenzene | 1000 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 990 | J |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 440 | J |
| 206-44-0 | Fluoranthene | 850 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 1600 | |
| 85-68-7 | Butylbenzylphthalate | 1000 | U |
| 56-55-3 | Benzo[a]anthracene | 510 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1000 | U |
| 218-01-9 | Chrysene | 1100 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1000 | U |
| 117-84-0 | Di-n-octylphthalate | 1000 | U |
| 205-99-2 | Benzo[b]fluoranthene | 410 | J |
| 207-08-9 | Benzo[k]fluoranthene | 470 | J |
| 50-32-8 | Benzo[a]pyrene | 510 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 210 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 1000 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 220 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

240

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.08

Sample wt/vol: 10.88 (g/ml) G Lab File ID: BNA00704.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 11.37 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000112-88-9 | 1-Octadecene | 24.38 | 4300 | JN |
| 2. 000295-65-8 | Cyclohexadecane | 25.91 | 5800 | JN |
| 3. | unknown | 26.44 | 1300 | J |
| 4. 000000-00-0 | 1-Hexacosanal | 26.91 | 5000 | JN |
| 5. | unknown | 27.13 | 1500 | J |
| 6. 074685-33-9 | 3-Eicosene, (E)- | 27.32 | 4100 | JN |
| 7. 000638-66-4 | Octadecanal | 28.26 | 3500 | JN |
| 8. 000629-94-7 | Heneicosane | 28.61 | 5100 | JN |
| 9. 056009-20-2 | Cyclohexane, 1-(1,5-dimethylhex | 28.66 | 1400 | JN |
| 10. | unknown | 28.77 | 1100 | J |
| 11. 007390-81-0 | Oxirane, hexadecyl- | 29.56 | 3800 | JN |
| 12. | unknown | 29.70 | 1000 | J |
| 13. | unknown | 29.92 | 3100 | J |
| 14. | unknown | 30.23 | 920 | J |
| 15. | unknown | 31.16 | 2700 | J |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

241

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.10

Sample wt/vol: 10.66 (g/ml) G Lab File ID: BNA00705.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 9.08 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 1000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

241

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.10

Sample wt/vol: 10.66 (g/ml) G Lab File ID: BNA00705.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 9.08 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1000 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1000 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1000 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1000 | U |
| 118-74-1 | Hexachlorobenzene | 1000 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 210 | J |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 420 | J |
| 206-44-0 | Fluoranthene | 250 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 390 | 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 | 1000 | U |
| 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

241

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.10

Sample wt/vol: 10.66 (g/ml) G Lab File ID: BNA00705.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 9.08 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

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. 074685-30-6 | 5-Eicosene, (E)- | 24.38 | 4900 | JN |
| 2. 019047-85-9 | Phosphonic acid, dioctadecyl este | 25.90 | 4200 | JN |
| 3. | unknown | 26.45 | 1400 | J |
| 4. 000000-00-0 | 1-Hexacosanal | 26.90 | 2200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 242

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.12

Sample wt/vol: 10.78 (g/ml) G Lab File ID: BNA00706.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 6.6 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

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 | 990 | U |
| 62-75-9 | N-nitroso-dimethylamine | 990 | U |
| 62-53-3 | Aniline | 990 | U |
| 108-95-2 | Phenol | 990 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 990 | U |
| 95-57-8 | 2-Chlorophenol | 990 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 990 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 990 | U |
| 100-51-6 | Benzyl alcohol | 990 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 990 | U |
| | 2-Methylphenol | 990 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 990 | U |
| | 4-Methylphenol | 990 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 990 | U |
| 67-72-1 | Hexachloroethane | 990 | U |
| 98-95-3 | Nitrobenzene | 990 | U |
| 78-59-1 | Isophorone | 990 | U |
| 88-75-5 | 2-Nitrophenol | 990 | U |
| 105-67-9 | 2,4-Dimethylphenol | 990 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 990 | U |
| 120-83-2 | 2,4-Dichlorophenol | 990 | U |
| 65-85-0 | Benzoic Acid | 990 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 990 | U |
| 91-20-3 | Naphthalene | 990 | U |
| 106-47-8 | 4-Chloroaniline | 990 | U |
| 87-68-3 | Hexachlorobutadiene | 990 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 990 | U |
| 91-57-6 | 2-Methylnaphthalene | 990 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 990 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 990 | U |
| | 2,4,5-Trichlorophenol | 990 | U |
| 91-58-7 | 2-Chloronaphthalene | 990 | U |
| 88-74-4 | 2-Nitroaniline | 990 | U |
| 131-11-3 | Dimethylphthalate | 990 | U |
| 208-96-8 | Acenaphthylene | 990 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 990 | U |
| 99-09-2 | 3-Nitroaniline | 990 | U |

1C

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

242

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.12

Sample wt/vol: 10.78 (g/ml) G Lab File ID: BNA00706.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 6.6 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

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 | 990 | U |
| 132-64-9 | Dibenzofuran | 990 | U |
| 100-02-7 | 4-Nitrophenol | 990 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 990 | U |
| 84-66-2 | Diethylphthalate | 990 | U |
| 86-73-7 | Fluorene | 990 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 990 | U |
| 100-01-6 | 4-Nitroaniline | 990 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 990 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 990 | U |
| 103-33-3 | Azobenzene | 990 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 990 | U |
| 118-74-1 | Hexachlorobenzene | 990 | U |
| 87-86-5 | Pentachlorophenol | 990 | U |
| 85-01-8 | Phenanthrene | 990 | U |
| 120-12-7 | Anthracene | 990 | U |
| 84-74-2 | Di-n-butylphthalate | 990 | U |
| 206-44-0 | Fluoranthene | 180 | J |
| 92-87-5 | Benzidine | 990 | U |
| 129-00-0 | Pyrene | 310 | J |
| 85-68-7 | Butylbenzylphthalate | 990 | U |
| 56-55-3 | Benzo[a]anthracene | 990 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 990 | U |
| 218-01-9 | Chrysene | 990 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 990 | U |
| 117-84-0 | Di-n-octylphthalate | 990 | U |
| 205-99-2 | Benzo[b]fluoranthene | 990 | U |
| 207-08-9 | Benzo[k]fluoranthene | 990 | U |
| 50-32-8 | Benzo[a]pyrene | 990 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 990 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 990 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 990 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

242

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.12

Sample wt/vol: 10.78 (g/ml) G Lab File ID: BNA00706.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 6.6 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

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. 000057-10-3 | Hexadecanoic acid | 19.81 | 1100 | JN |
| 2. 006765-39-5 | 1-Heptadecene | 24.38 | 5200 | JN |
| 3. 006971-40-0 | 17-Pentatriacontene | 25.90 | 950 | JN |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

243

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.14

Sample wt/vol: 10.98 (g/ml) G Lab File ID: BNA00707.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 33.06 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

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 | 1400 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1400 | U |
| 62-53-3 | Aniline | 1400 | U |
| 108-95-2 | Phenol | 1400 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1400 | U |
| 95-57-8 | 2-Chlorophenol | 1400 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1400 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1400 | U |
| 100-51-6 | Benzyl alcohol | 1400 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1400 | U |
| | 2-Methylphenol | 1400 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1400 | U |
| | 4-Methylphenol | 1400 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1400 | U |
| 67-72-1 | Hexachloroethane | 1400 | U |
| 98-95-3 | Nitrobenzene | 1400 | U |
| 78-59-1 | Isophorone | 1400 | U |
| 88-75-5 | 2-Nitrophenol | 1400 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1400 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1400 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1400 | U |
| 65-85-0 | Benzoic Acid | 1400 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1400 | U |
| 91-20-3 | Naphthalene | 1400 | U |
| 106-47-8 | 4-Chloroaniline | 1400 | U |
| 87-68-3 | Hexachlorobutadiene | 1400 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1400 | U |
| 91-57-6 | 2-Methylnaphthalene | 1400 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1400 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1400 | U |
| | 2,4,5-Trichlorophenol | 1400 | U |
| 91-58-7 | 2-Chloronaphthalene | 1400 | U |
| 88-74-4 | 2-Nitroaniline | 1400 | U |
| 131-11-3 | Dimethylphthalate | 1400 | U |
| 208-96-8 | Acenaphthylene | 1400 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1400 | U |
| 99-09-2 | 3-Nitroaniline | 1400 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 243

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.14

Sample wt/vol: 10.98 (g/ml) G Lab File ID: BNA00707.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 33.06 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

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 | 1400 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1400 | U |
| 132-64-9 | Dibenzofuran | 1400 | U |
| 100-02-7 | 4-Nitrophenol | 1400 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1400 | U |
| 84-66-2 | Diethylphthalate | 1400 | U |
| 86-73-7 | Fluorene | 1400 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1400 | U |
| 100-01-6 | 4-Nitroaniline | 1400 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1400 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1400 | U |
| 103-33-3 | Azobenzene | 1400 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1400 | U |
| 118-74-1 | Hexachlorobenzene | 1400 | U |
| 87-86-5 | Pentachlorophenol | 1400 | U |
| 85-01-8 | Phenanthrene | 1400 | U |
| 120-12-7 | Anthracene | 1400 | U |
| 84-74-2 | Di-n-butylphthalate | 290 | J |
| 206-44-0 | Fluoranthene | 1400 | U |
| 92-87-5 | Benzidine | 1400 | U |
| 129-00-0 | Pyrene | 1400 | U |
| 85-68-7 | Butylbenzylphthalate | 1400 | U |
| 56-55-3 | Benzo[a]anthracene | 1400 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1400 | U |
| 218-01-9 | Chrysene | 1400 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1400 | U |
| 117-84-0 | Di-n-octylphthalate | 1400 | U |
| 205-99-2 | Benzo[b]fluoranthene | 1400 | U |
| 207-08-9 | Benzo[k]fluoranthene | 1400 | U |
| 50-32-8 | Benzo[a]pyrene | 1400 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1400 | 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

243

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.14

Sample wt/vol: 10.98 (g/ml) G Lab File ID: BNA00707.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 33.06 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

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. 074685-30-6 | 5-Eicosene, (E)- | 24.38 | 8600 | JN |
| 2. 006971-40-0 | 17-Pentatriacontene | 25.90 | 9400 | JN |
| 3. 000057-11-4 | Octadecanoic acid | 26.44 | 2300 | JN |
| 4. 007320-37-8 | Oxirane, tetradecyl- | 26.90 | 3400 | JN |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

244

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.16

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA00708.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 8.78 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1100 | U |
| 108-95-2 | Phenol | 1100 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1100 | U |
| 100-51-6 | Benzyl alcohol | 1100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1100 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1100 | U |
| | 4-Methylphenol | 1100 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1100 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1100 | U |
| 78-59-1 | Isophorone | 1100 | U |
| 88-75-5 | 2-Nitrophenol | 1100 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1100 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1100 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1100 | U |
| 91-20-3 | Naphthalene | 1100 | U |
| 106-47-8 | 4-Chloroaniline | 1100 | U |
| 87-68-3 | Hexachlorobutadiene | 1100 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1100 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1100 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 1100 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 1100 | U |
| 208-96-8 | Acenaphthylene | 210 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |

1C

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

244

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.16

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA00708.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 8.78 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1100 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1100 | U |
| 84-66-2 | Diethylphthalate | 1100 | U |
| 86-73-7 | Fluorene | 1100 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1100 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1100 | U |
| 103-33-3 | Azobenzene | 1100 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1100 | U |
| 118-74-1 | Hexachlorobenzene | 1100 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 1100 | |
| 120-12-7 | Anthracene | 1100 | U |
| 84-74-2 | Di-n-butylphthalate | 960 | J |
| 206-44-0 | Fluoranthene | 720 | J |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 1400 | |
| 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 | 880 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1100 | U |
| 117-84-0 | Di-n-octylphthalate | 1100 | U |
| 205-99-2 | Benzo[b]fluoranthene | 1100 | U |
| 207-08-9 | Benzo[k]fluoranthene | 1100 | U |
| 50-32-8 | Benzo[a]pyrene | 1100 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1100 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 1100 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 1100 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

244

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.16

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA00708.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 8.78 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

Number TICs found: 15 (ug/L or ug/Kg) UG/KG

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | 000087-44-5 | Caryophyllene | 13.86 | 910 | JN |
| 2. | 017851-53-5 | 1,2-Benzenedicarboxylic acid, but | 18.91 | 1800 | JN |
| 3. | 000072-54-8 | 1,1-Dichloro-2,2-bis(p-chlorophen | 22.70 | 1800 | JN |
| 4. | | unknown | 23.83 | 1500 | J |
| 5. | 001454-84-8 | 1-Nonadecanol | 24.39 | 6100 | JN |
| 6. | 000295-48-7 | Cyclopentadecane | 25.91 | 3500 | JN |
| 7. | | unknown | 26.45 | 930 | J |
| 8. | 000000-00-0 | 1-Hexacosanal | 26.91 | 2400 | JN |
| 9. | 000112-95-8 | Eicosane | 27.32 | 4400 | JN |
| 10. | 000124-25-4 | Tetradecanal | 28.26 | 2000 | JN |
| 11. | 000630-06-8 | Hexatriacontane | 28.62 | 2900 | JN |
| 12. | 001599-67-3 | 1-Docosene | 28.66 | 990 | JN |
| 13. | 000124-25-4 | Tetradecanal | 29.56 | 1900 | JN |
| 14. | | unknown | 30.13 | 880 | J |
| 15. | | unknown | 31.16 | 930 | J |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 245

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.18

Sample wt/vol: 10.44 (g/ml) G Lab File ID: BNA00709.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 13.58 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1100 | U |
| 108-95-2 | Phenol | 1100 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1100 | U |
| 100-51-6 | Benzyl alcohol | 1100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1100 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1100 | U |
| | 4-Methylphenol | 1100 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1100 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1100 | U |
| 78-59-1 | Isophorone | 1100 | U |
| 88-75-5 | 2-Nitrophenol | 1100 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1100 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1100 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1100 | U |
| 91-20-3 | Naphthalene | 1100 | U |
| 106-47-8 | 4-Chloroaniline | 1100 | U |
| 87-68-3 | Hexachlorobutadiene | 1100 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1100 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1100 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 1100 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 1100 | U |
| 208-96-8 | Acenaphthylene | 1100 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 245

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.18

Sample wt/vol: 10.44 (g/ml) G Lab File ID: BNA00709.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 13.58 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1100 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1100 | U |
| 84-66-2 | Diethylphthalate | 1100 | U |
| 86-73-7 | Fluorene | 1100 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1100 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1100 | U |
| 103-33-3 | Azobenzene | 1100 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1100 | U |
| 118-74-1 | Hexachlorobenzene | 1100 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 440 | J |
| 120-12-7 | Anthracene | 1100 | U |
| 84-74-2 | Di-n-butylphthalate | 460 | J |
| 206-44-0 | Fluoranthene | 420 | J |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 680 | 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 | 460 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1100 | U |
| 117-84-0 | Di-n-octylphthalate | 1100 | U |
| 205-99-2 | Benzo[b]fluoranthene | 1100 | U |
| 207-08-9 | Benzo[k]fluoranthene | 1100 | U |
| 50-32-8 | Benzo[a]pyrene | 1100 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1100 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 1100 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 1100 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

245

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.18

Sample wt/vol: 10.44 (g/ml) G Lab File ID: BNA00709.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 13.58 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

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. 000629-96-9 | 1-Eicosanol | 24.39 | 6200 | JN |
| 2. 019047-85-9 | Phosphonic acid, dioctadecyl este | 25.90 | 5400 | JN |
| 3. | unknown | 26.45 | 950 | J |
| 4. 000000-00-0 | 1-Hexacosanal | 26.90 | 2900 | JN |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

246

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.20

Sample wt/vol: 10.4 (g/ml) G Lab File ID: BNA00710.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 12.21 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1100 | U |
| 108-95-2 | Phenol | 1100 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1100 | U |
| 100-51-6 | Benzyl alcohol | 1100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1100 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1100 | U |
| | 4-Methylphenol | 1100 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1100 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1100 | U |
| 78-59-1 | Isophorone | 1100 | U |
| 88-75-5 | 2-Nitrophenol | 1100 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1100 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1100 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1100 | U |
| 91-20-3 | Naphthalene | 1100 | U |
| 106-47-8 | 4-Chloroaniline | 1100 | U |
| 87-68-3 | Hexachlorobutadiene | 1100 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1100 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1100 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 1100 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 1100 | U |
| 208-96-8 | Acenaphthylene | 1100 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 246

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.20

Sample wt/vol: 10.4 (g/ml) G Lab File ID: BNA00710.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 12.21 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1100 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1100 | U |
| 84-66-2 | Diethylphthalate | 1100 | U |
| 86-73-7 | Fluorene | 1100 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1100 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1100 | U |
| 103-33-3 | Azobenzene | 1100 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1100 | U |
| 118-74-1 | Hexachlorobenzene | 1100 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 360 | J |
| 120-12-7 | Anthracene | 1100 | U |
| 84-74-2 | Di-n-butylphthalate | 960 | J |
| 206-44-0 | Fluoranthene | 360 | J |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 570 | 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 | 1100 | U |
| 117-84-0 | Di-n-octylphthalate | 1100 | U |
| 205-99-2 | Benzo[b]fluoranthene | 1100 | U |
| 207-08-9 | Benzo[k]fluoranthene | 1100 | U |
| 50-32-8 | Benzo[a]pyrene | 1100 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1100 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 1100 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 1100 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

246

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.20

Sample wt/vol: 10.4 (g/ml) G Lab File ID: BNA00710.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 12.21 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

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. 000084-69-5 | 1,2-Benzenedicarboxylic acid, bis | 18.91 | 1500 | JN |
| 2. 000072-54-8 | 1,1-Dichloro-2,2-bis(p-chlorophen | 22.70 | 4900 | JN |
| 3. 001454-84-8 | 1-Nonadecanol | 24.38 | 5300 | JN |
| 4. 000295-65-8 | Cyclohexadecane | 25.91 | 5200 | JN |
| 5. | unknown | 26.45 | 1200 | J |
| 6. 000000-00-0 | 1-Hexacosanal | 26.90 | 2600 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 247

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.22

Sample wt/vol: 10.47 (g/ml) G Lab File ID: BNA00711.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 8.22 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 1000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 247

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.22

Sample wt/vol: 10.47 (g/ml) G Lab File ID: BNA00711.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 8.22 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1000 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1000 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1000 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1000 | U |
| 118-74-1 | Hexachlorobenzene | 1000 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 1000 | U |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 440 | J |
| 206-44-0 | Fluoranthene | 190 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 310 | 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 | 1000 | U |
| 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

247

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.22

Sample wt/vol: 10.47 (g/ml) G Lab File ID: BNA00711.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 8.22 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/21/98

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. 001454-84-8 | 1-Nonadecanol | 24.38 | 3800 | JN |
| 2. 000295-65-8 | Cyclohexadecane | 25.90 | 3900 | JN |
| 3. 000638-66-4 | Octadecanal | 26.90 | 2800 | JN |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

248

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.24

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BNA00712.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 5.33 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 1000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

248

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.24

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BNA00712.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 5.33 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1000 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1000 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1000 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1000 | U |
| 118-74-1 | Hexachlorobenzene | 1000 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 1000 | U |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 440 | J |
| 206-44-0 | Fluoranthene | 190 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 300 | 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 | 1000 | U |
| 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

248

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.24

Sample wt/vol: 10.27 (g/ml) G Lab File ID: BNA00712.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 5.33 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

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. 001454-84-8 | 1-Nonadecanol | 24.38 | 3700 | JN |
| 2. 006971-40-0 | 17-Pentatriacontene | 25.90 | 4400 | JN |
| 3. 000000-00-0 | 1-Hexacosanal | 26.90 | 3200 | JN |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

249

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.26

Sample wt/vol: 10.65 (g/ml) G Lab File ID: BNA00713.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 6.77 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 1000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

249

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.26

Sample wt/vol: 10.65 (g/ml) G Lab File ID: BNA00713.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 6.77 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1000 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1000 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1000 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1000 | U |
| 118-74-1 | Hexachlorobenzene | 1000 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 1000 | U |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 350 | 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 | 1000 | U |
| 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

249

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.26

Sample wt/vol: 10.65 (g/ml) G Lab File ID: BNA00713.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 6.77 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

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. 000072-54-8 | 1,1-Dichloro-2,2-bis(p-chlorophen | 22.69 | 1300 | JN |
| 2. 074685-30-6 | 5-Eicosene, (E)- | 24.38 | 3200 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 250

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.28

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BNA00714.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 10.59 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1100 | U |
| 108-95-2 | Phenol | 1100 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1100 | U |
| 100-51-6 | Benzyl alcohol | 1100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1100 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1100 | U |
| | 4-Methylphenol | 1100 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1100 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1100 | U |
| 78-59-1 | Isophorone | 1100 | U |
| 88-75-5 | 2-Nitrophenol | 1100 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1100 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1100 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1100 | U |
| 91-20-3 | Naphthalene | 1100 | U |
| 106-47-8 | 4-Chloroaniline | 1100 | U |
| 87-68-3 | Hexachlorobutadiene | 1100 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1100 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1100 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 1100 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 1100 | U |
| 208-96-8 | Acenaphthylene | 1100 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 250

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.28

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BNA00714.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 10.59 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1100 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1100 | U |
| 84-66-2 | Diethylphthalate | 1100 | U |
| 86-73-7 | Fluorene | 1100 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1100 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1100 | U |
| 103-33-3 | Azobenzene | 1100 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1100 | U |
| 118-74-1 | Hexachlorobenzene | 1100 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 400 | J |
| 120-12-7 | Anthracene | 1100 | U |
| 84-74-2 | Di-n-butylphthalate | 780 | J |
| 206-44-0 | Fluoranthene | 310 | J |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 560 | 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 | 1100 | U |
| 117-84-0 | Di-n-octylphthalate | 1100 | U |
| 205-99-2 | Benzo[b]fluoranthene | 1100 | U |
| 207-08-9 | Benzo[k]fluoranthene | 1100 | U |
| 50-32-8 | Benzo[a]pyrene | 1100 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1100 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 1100 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 1100 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

250

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.28

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BNA00714.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 10.59 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

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 | 18.90 | 1100 | JN |
| 2. 000072-54-8 | 1,1-Dichloro-2,2-bis(p-chlorophen | 22.71 | 6400 | JN |
| 3. 000112-92-5 | 1-Octadecanol | 24.39 | 5800 | JN |
| 4. 002136-70-1 | Ethanol, 2-(tetradecyloxy)- | 25.91 | 2600 | JN |
| 5. 000000-00-0 | 1-Hexacosanal | 26.90 | 1600 | JN |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

251

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.30

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BNA00720.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 8.93 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1100 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1100 | U |
| 62-53-3 | Aniline | 1100 | U |
| 108-95-2 | Phenol | 1100 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1100 | U |
| 95-57-8 | 2-Chlorophenol | 1100 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1100 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1100 | U |
| 100-51-6 | Benzyl alcohol | 1100 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1100 | U |
| | 2-Methylphenol | 1100 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1100 | U |
| | 4-Methylphenol | 1100 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1100 | U |
| 67-72-1 | Hexachloroethane | 1100 | U |
| 98-95-3 | Nitrobenzene | 1100 | U |
| 78-59-1 | Isophorone | 1100 | U |
| 88-75-5 | 2-Nitrophenol | 1100 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1100 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1100 | U |
| 65-85-0 | Benzoic Acid | 1100 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1100 | U |
| 91-20-3 | Naphthalene | 1100 | U |
| 106-47-8 | 4-Chloroaniline | 1100 | U |
| 87-68-3 | Hexachlorobutadiene | 1100 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6 | 2-Methylnaphthalene | 1100 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1100 | U |
| | 2,4,5-Trichlorophenol | 1100 | U |
| 91-58-7 | 2-Chloronaphthalene | 1100 | U |
| 88-74-4 | 2-Nitroaniline | 1100 | U |
| 131-11-3 | Dimethylphthalate | 1100 | U |
| 208-96-8 | Acenaphthylene | 1100 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | U |
| 99-09-2 | 3-Nitroaniline | 1100 | U |

1C

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

251

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.30

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BNA00720.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 8.93 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1100 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1100 | U |
| 132-64-9 | Dibenzofuran | 1100 | U |
| 100-02-7 | 4-Nitrophenol | 1100 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1100 | U |
| 84-66-2 | Diethylphthalate | 1100 | U |
| 86-73-7 | Fluorene | 1100 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1100 | U |
| 100-01-6 | 4-Nitroaniline | 1100 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1100 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1100 | U |
| 103-33-3 | Azobenzene | 1100 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1100 | U |
| 118-74-1 | Hexachlorobenzene | 1100 | U |
| 87-86-5 | Pentachlorophenol | 1100 | U |
| 85-01-8 | Phenanthrene | 300 | J |
| 120-12-7 | Anthracene | 1100 | U |
| 84-74-2 | Di-n-butylphthalate | 390 | J |
| 206-44-0 | Fluoranthene | 290 | J |
| 92-87-5 | Benzidine | 1100 | U |
| 129-00-0 | Pyrene | 450 | 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 | 1100 | U |
| 117-84-0 | Di-n-octylphthalate | 1100 | U |
| 205-99-2 | Benzo[b]fluoranthene | 1100 | U |
| 207-08-9 | Benzo[k]fluoranthene | 1100 | U |
| 50-32-8 | Benzo[a]pyrene | 1100 | U |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1100 | U |
| 53-70-3 | Dibenz[a,h]anthracene | 1100 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 1100 | U |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

251

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.30

Sample wt/vol: 10.18 (g/ml) G Lab File ID: BNA00720.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 8.93 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 11 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000789-02-6 | o,p'-DDT | 23.35 | 890 | JN |
| 2. 000629-96-9 | 1-Eicosanol | 24.36 | 960 | JN |
| 3. 000630-06-8 | Hexatriacontane | 25.90 | 1200 | JN |
| 4. 000000-00-0 | 1-Hexacosanal | 26.89 | 1900 | JN |
| 5. 000630-06-8 | Hexatriacontane | 27.30 | 3200 | JN |
| 6. 000629-80-1 | Hexadecanal | 28.25 | 1900 | JN |
| 7. 000630-06-8 | Hexatriacontane | 28.60 | 2800 | JN |
| 8. 000638-66-4 | Octadecanal | 29.55 | 2000 | JN |
| 9. 000630-06-8 | Hexatriacontane | 29.90 | 900 | JN |
| 10. | unknown | 30.11 | 1100 | J |
| 11. | unknown | 31.15 | 1200 | J |

1B

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

252

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.32

Sample wt/vol: 10.77 (g/ml) G Lab File ID: BNA00721.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 7.38 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 1000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

FIELD ID.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

252

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.32

Sample wt/vol: 10.77 (g/ml) G Lab File ID: BNA00721.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 7.38 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1000 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1000 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1000 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1000 | U |
| 118-74-1 | Hexachlorobenzene | 1000 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 240 | J |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 370 | J |
| 206-44-0 | Fluoranthene | 300 | J |
| 92-87-5 | Benzidine | 1000 | U |
| 129-00-0 | Pyrene | 570 | J |
| 85-68-7 | Butylbenzylphthalate | 1000 | U |
| 56-55-3 | Benzo[a]anthracene | 220 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1000 | U |
| 218-01-9 | Chrysene | 430 | J |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1000 | U |
| 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

252

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.32

Sample wt/vol: 10.77 (g/ml) G Lab File ID: BNA00721.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 7.38 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

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. 001454-84-8 | 1-Nonadecanol | 24.36 | 1300 | JN |
| 2. 000000-00-0 | 1-Hexacosanal | 26.89 | 2400 | JN |
| 3. 000112-95-8 | Eicosane | 27.30 | 1400 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 253

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.34

Sample wt/vol: 10.6 (g/ml) G Lab File ID: BNA00722.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 6.4 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 110-86-1 | Pyridine | 1000 | U |
| 62-75-9 | N-nitroso-dimethylamine | 1000 | U |
| 62-53-3 | Aniline | 1000 | U |
| 108-95-2 | Phenol | 1000 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1000 | U |
| 95-57-8 | 2-Chlorophenol | 1000 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1000 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1000 | U |
| 100-51-6 | Benzyl alcohol | 1000 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1000 | U |
| | 2-Methylphenol | 1000 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 1000 | U |
| | 4-Methylphenol | 1000 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1000 | U |
| 67-72-1 | Hexachloroethane | 1000 | U |
| 98-95-3 | Nitrobenzene | 1000 | U |
| 78-59-1 | Isophorone | 1000 | U |
| 88-75-5 | 2-Nitrophenol | 1000 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1000 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1000 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | U |
| 65-85-0 | Benzoic Acid | 1000 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1000 | U |
| 91-20-3 | Naphthalene | 1000 | U |
| 106-47-8 | 4-Chloroaniline | 1000 | U |
| 87-68-3 | Hexachlorobutadiene | 1000 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1000 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1000 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | U |
| | 2,4,5-Trichlorophenol | 1000 | U |
| 91-58-7 | 2-Chloronaphthalene | 1000 | U |
| 88-74-4 | 2-Nitroaniline | 1000 | U |
| 131-11-3 | Dimethylphthalate | 1000 | U |
| 208-96-8 | Acenaphthylene | 1000 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 1000 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 253

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.34

Sample wt/vol: 10.6 (g/ml) G Lab File ID: BNA00722.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 6.4 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 83-32-9 | Acenaphthene | 1000 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1000 | U |
| 132-64-9 | Dibenzofuran | 1000 | U |
| 100-02-7 | 4-Nitrophenol | 1000 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1000 | U |
| 84-66-2 | Diethylphthalate | 1000 | U |
| 86-73-7 | Fluorene | 1000 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | U |
| 100-01-6 | 4-Nitroaniline | 1000 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1000 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 1000 | U |
| 103-33-3 | Azobenzene | 1000 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1000 | U |
| 118-74-1 | Hexachlorobenzene | 1000 | U |
| 87-86-5 | Pentachlorophenol | 1000 | U |
| 85-01-8 | Phenanthrene | 1000 | U |
| 120-12-7 | Anthracene | 1000 | U |
| 84-74-2 | Di-n-butylphthalate | 1000 | U |
| 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 | 1000 | U |
| 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

253

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.34

Sample wt/vol: 10.6 (g/ml) G Lab File ID: BNA00722.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 6.4 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

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. 001454-84-8 | 1-Nonadecanol | 24.36 | 1400 | JN |
| 2. 003386-33-2 | Octadecane, 1-chloro- | 25.90 | 940 | JN |
| 3. 000000-00-0 | 1-Hexacosanal | 26.90 | 6500 | JN |

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 254

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.36

Sample wt/vol: 10.68 (g/ml) G Lab File ID: BNA00723.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 5.88 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

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 | 990 | U |
| 62-75-9 | N-nitroso-dimethylamine | 990 | U |
| 62-53-3 | Aniline | 990 | U |
| 108-95-2 | Phenol | 990 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 990 | U |
| 95-57-8 | 2-Chlorophenol | 990 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 990 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 990 | U |
| 100-51-6 | Benzyl alcohol | 990 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 990 | U |
| | 2-Methylphenol | 990 | U |
| 108-60-1 | bis(2-chloroisopropyl)ether | 990 | U |
| | 4-Methylphenol | 990 | U |
| 621-64-7 | n-Nitroso-di-n-propylamine | 990 | U |
| 67-72-1 | Hexachloroethane | 990 | U |
| 98-95-3 | Nitrobenzene | 990 | U |
| 78-59-1 | Isophorone | 990 | U |
| 88-75-5 | 2-Nitrophenol | 990 | U |
| 105-67-9 | 2,4-Dimethylphenol | 990 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 990 | U |
| 120-83-2 | 2,4-Dichlorophenol | 990 | U |
| 65-85-0 | Benzoic Acid | 990 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 990 | U |
| 91-20-3 | Naphthalene | 990 | U |
| 106-47-8 | 4-Chloroaniline | 990 | U |
| 87-68-3 | Hexachlorobutadiene | 990 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 990 | U |
| 91-57-6 | 2-Methylnaphthalene | 990 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 990 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 990 | U |
| | 2,4,5-Trichlorophenol | 990 | U |
| 91-58-7 | 2-Chloronaphthalene | 990 | U |
| 88-74-4 | 2-Nitroaniline | 990 | U |
| 131-11-3 | Dimethylphthalate | 990 | U |
| 208-96-8 | Acenaphthylene | 250 | J |
| 606-20-2 | 2,6-Dinitrotoluene | 990 | U |
| 99-09-2 | 3-Nitroaniline | 990 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID. 254

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.36

Sample wt/vol: 10.68 (g/ml) G Lab File ID: BNA00723.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 5.88 decanted:(Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

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 | 990 | U |
| 132-64-9 | Dibenzofuran | 990 | U |
| 100-02-7 | 4-Nitrophenol | 990 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 990 | U |
| 84-66-2 | Diethylphthalate | 990 | U |
| 86-73-7 | Fluorene | 990 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 990 | U |
| 100-01-6 | 4-Nitroaniline | 990 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 990 | U |
| 86-30-6 | n-Nitrosodiphenylamine | 990 | U |
| 103-33-3 | Azobenzene | 990 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 990 | U |
| 118-74-1 | Hexachlorobenzene | 990 | U |
| 87-86-5 | Pentachlorophenol | 990 | U |
| 85-01-8 | Phenanthrene | 1800 | |
| 120-12-7 | Anthracene | 990 | U |
| 84-74-2 | Di-n-butylphthalate | 990 | U |
| 206-44-0 | Fluoranthene | 1300 | |
| 92-87-5 | Benzidine | 990 | U |
| 129-00-0 | Pyrene | 2400 | |
| 85-68-7 | Butylbenzylphthalate | 990 | U |
| 56-55-3 | Benzo[a]anthracene | 690 | J |
| 91-94-1 | 3,3'-Dichlorobenzidine | 990 | U |
| 218-01-9 | Chrysene | 1400 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 990 | U |
| 117-84-0 | Di-n-octylphthalate | 990 | U |
| 205-99-2 | Benzo[b]fluoranthene | 480 | J |
| 207-08-9 | Benzo[k]fluoranthene | 510 | J |
| 50-32-8 | Benzo[a]pyrene | 520 | J |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 310 | J |
| 53-70-3 | Dibenz[a,h]anthracene | 990 | U |
| 191-24-2 | Benzo[g,h,i]perylene | 320 | J |

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

254

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 3836 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3836.36

Sample wt/vol: 10.68 (g/ml) G Lab File ID: BNA00723.D

Level: (low/med) LOW Date Received: 08/27/98

% Moisture: 5.88 decanted: (Y/N) N Date Extracted: 08/27/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/22/98

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. 000053-19-0 | Mitotane | 22.08 | 850 | JN |
| 2. 001022-22-6 | DDMU | 22.58 | 820 | JN |
| 3. 000072-54-8 | 1,1-Dichloro-2,2-bis(p-chlorophen | 22.74 | 13000 | JN |
| 4. 000789-02-6 | o,p'-DDT | 23.47 | 60000 | JN |
| 5. 001454-84-8 | 1-Nonadecanol | 24.37 | 1500 | JN |
| 6. 007098-21-7 | Tritetracontane | 25.90 | 1100 | JN |
| 7. 000629-92-5 | Nonadecane | 27.30 | 2200 | JN |
| 8. | unknown | 28.25 | 1000 | J |
| 9. 000630-06-8 | Hexatriacontane | 28.60 | 2100 | JN |
| 10. 007390-81-0 | Oxirane, hexadecyl- | 29.55 | 1200 | JN |

# METHOD BLANKS

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | PBLK64 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 4/9/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/13/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 100.00 | 0.0002 | ND | NLE |
| beta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 100.00 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 100.00 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 100.00 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 100.00 | 0.0002 | ND | NLE |
| Endosulfan I | 1 | 100.00 | 0.0002 | ND | NLE |
| 4,4'-DDE | 1 | 100.00 | 0.0003 | ND | 2 |
| Dieldrin | 1 | 100.00 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 100.00 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 100.00 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 100.00 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 100.00 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 100.00 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 100.00 | 0.0010 | ND | NLE |
| gamma -Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| alpha-Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| Toxaphene | 1 | 100.00 | 0.0182 | ND | 0.1 |
| Arochlor 1016 | 1 | 100.00 | 0.0642 | ND | 0.49 |
| Arochlor 1221 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1232 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1242 | 1 | 100.00 | 0.0282 | ND | 0.49 |
| Arochlor 1248 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1254 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1260 | 1 | 100.00 | 0.0680 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | PBLK65 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 4/10/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/13/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 100.00 | 0.0002 | ND | NLE |
| beta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 100.00 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 100.00 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 100.00 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 100.00 | 0.0002 | ND | NLE |
| Endosulfan I | 1 | 100.00 | 0.0002 | ND | NLE |
| 4,4'-DDE | 1 | 100.00 | 0.0003 | ND | 2 |
| Dieldrin | 1 | 100.00 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 100.00 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 100.00 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 100.00 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 100.00 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 100.00 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 100.00 | 0.0010 | ND | NLE |
| gamma -Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| alpha-Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| Toxaphene | 1 | 100.00 | 0.0182 | ND | 0.1 |
| Arochlor 1016 | 1 | 100.00 | 0.0642 | ND | 0.49 |
| Arochlor 1221 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1232 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1242 | 1 | 100.00 | 0.0282 | ND | 0.49 |
| Arochlor 1248 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1254 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1260 | 1 | 100.00 | 0.0680 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | PBLK66 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 4/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/14/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 100.00 | 0.0002 | ND | NLE |
| beta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 100.00 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 100.00 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 100.00 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 100.00 | 0.0002 | ND | NLE |
| Endosulfan I | 1 | 100.00 | 0.0002 | ND | NLE |
| 4,4'-DDE | 1 | 100.00 | 0.0003 | ND | 2 |
| Dieldrin | 1 | 100.00 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 100.00 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 100.00 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 100.00 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 100.00 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 100.00 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 100.00 | 0.0010 | ND | NLE |
| gamma -Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| alpha-Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| Toxaphene | 1 | 100.00 | 0.0182 | ND | 0.1 |
| Arochlor 1016 | 1 | 100.00 | 0.0642 | ND | 0.49 |
| Arochlor 1221 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1232 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1242 | 1 | 100.00 | 0.0282 | ND | 0.49 |
| Arochlor 1248 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1254 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1260 | 1 | 100.00 | 0.0680 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | PBLK66 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 4/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/14/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 100.00 | 0.0002 | ND | NLE |
| beta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 100.00 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 100.00 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 100.00 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 100.00 | 0.0002 | ND | NLE |
| Endosulfan I | 1 | 100.00 | 0.0002 | ND | NLE |
| 4,4'-DDE | 1 | 100.00 | 0.0003 | ND | 2 |
| Dieldrin | 1 | 100.00 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 100.00 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 100.00 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 100.00 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 100.00 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 100.00 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 100.00 | 0.0010 | ND | NLE |
| gamma -Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| alpha-Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| Toxaphene | 1 | 100.00 | 0.0182 | ND | 0.1 |
| Arochlor 1016 | 1 | 100.00 | 0.0642 | ND | 0.49 |
| Arochlor 1221 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1232 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1242 | 1 | 100.00 | 0.0282 | ND | 0.49 |
| Arochlor 1248 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1254 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1260 | 1 | 100.00 | 0.0680 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | PBLK67 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 4/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/21/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 100.00 | 0.0002 | ND | NLE |
| beta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 100.00 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 100.00 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 100.00 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 100.00 | 0.0002 | ND | NLE |
| Endosulfan I | 1 | 100.00 | 0.0002 | ND | NLE |
| 4,4'-DDE | 1 | 100.00 | 0.0003 | ND | 2 |
| Dieldrin | 1 | 100.00 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 100.00 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 100.00 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 100.00 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 100.00 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 100.00 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 100.00 | 0.0010 | ND | NLE |
| gamma -Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| alpha-Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| Toxaphene | 1 | 100.00 | 0.0182 | ND | 0.1 |
| Arochlor 1016 | 1 | 100.00 | 0.0642 | ND | 0.49 |
| Arochlor 1221 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1232 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1242 | 1 | 100.00 | 0.0282 | ND | 0.49 |
| Arochlor 1248 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1254 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1260 | 1 | 100.00 | 0.0680 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | PBLK68 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 4/15/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/21/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 100.00 | 0.0002 | ND | NLE |
| beta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 100.00 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 100.00 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 100.00 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 100.00 | 0.0002 | ND | NLE |
| Endosulfan I | 1 | 100.00 | 0.0002 | ND | NLE |
| 4,4'-DDE | 1 | 100.00 | 0.0003 | ND | 2 |
| Dieldrin | 1 | 100.00 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 100.00 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 100.00 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 100.00 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 100.00 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 100.00 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 100.00 | 0.0010 | ND | NLE |
| gamma -Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| alpha-Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| Toxaphene | 1 | 100.00 | 0.0182 | ND | 0.1 |
| Arochlor 1016 | 1 | 100.00 | 0.0642 | ND | 0.49 |
| Arochlor 1221 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1232 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1242 | 1 | 100.00 | 0.0282 | ND | 0.49 |
| Arochlor 1248 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1254 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1260 | 1 | 100.00 | 0.0680 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | PBLK70 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 4/16/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/21/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 100.00 | 0.0002 | ND | NLE |
| beta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 100.00 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 100.00 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 100.00 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 100.00 | 0.0002 | ND | NLE |
| Endosulfan I | 1 | 100.00 | 0.0002 | ND | NLE |
| 4,4'-DDE | 1 | 100.00 | 0.0003 | ND | 2 |
| Dieldrin | 1 | 100.00 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 100.00 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 100.00 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 100.00 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 100.00 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 100.00 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 100.00 | 0.0010 | ND | NLE |
| gamma -Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| alpha-Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| Toxaphene | 1 | 100.00 | 0.0182 | ND | 0.1 |
| Arochlor 1016 | 1 | 100.00 | 0.0642 | ND | 0.49 |
| Arochlor 1221 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1232 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1242 | 1 | 100.00 | 0.0282 | ND | 0.49 |
| Arochlor 1248 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1254 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1260 | 1 | 100.00 | 0.0680 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | BLK71 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 4/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8081 | **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 | 0.0182 | 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

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25un
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 # :** | BLK73 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 4/22/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8081 | **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 | 0.0182 | 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

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | PBLK74 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 4/23/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 100.00 | 0.0002 | ND | NLE |
| beta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 100.00 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 100.00 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 100.00 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 100.00 | 0.0002 | ND | NLE |
| Endosulfan I | 1 | 100.00 | 0.0002 | ND | NLE |
| 4,4'-DDE | 1 | 100.00 | 0.0003 | ND | 2 |
| Dieldrin | 1 | 100.00 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 100.00 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 100.00 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 100.00 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 100.00 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 100.00 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 100.00 | 0.0010 | ND | NLE |
| gamma -Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| alpha-Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| Toxaphene | 1 | 100.00 | 0.0182 | ND | 0.1 |
| Arochlor 1016 | 1 | 100.00 | 0.0642 | ND | 0.49 |
| Arochlor 1221 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1232 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1242 | 1 | 100.00 | 0.0282 | ND | 0.49 |
| Arochlor 1248 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1254 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1260 | 1 | 100.00 | 0.0680 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | BLK88 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 5/4/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/29/98 |
| **Analysis:** | SW-846 Method 8081 | **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 | 0.0182 | 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

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | BLK89 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 5/6/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/29/98 |
| **Analysis:** | SW-846 Method 8081 | **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 | 0.0182 | 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

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 # :** | PBLK89 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 5/6/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/29/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 100.00 | 0.0002 | ND | NLE |
| beta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 100.00 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 100.00 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 100.00 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 100.00 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 100.00 | 0.0002 | ND | NLE |
| Endosulfan I | 1 | 100.00 | 0.0002 | ND | NLE |
| 4,4'-DDE | 1 | 100.00 | 0.0003 | ND | 2 |
| Dieldrin | 1 | 100.00 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 100.00 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 100.00 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 100.00 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 100.00 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 100.00 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 100.00 | 0.0010 | ND | NLE |
| gamma -Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| alpha-Chlordane | 1 | 100.00 | 0.0010 | ND | NLE |
| Toxaphene | 1 | 100.00 | 0.0182 | ND | 0.1 |
| Arochlor 1016 | 1 | 100.00 | 0.0642 | ND | 0.49 |
| Arochlor 1221 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1232 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1242 | 1 | 100.00 | 0.0282 | ND | 0.49 |
| Arochlor 1248 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1254 | 1 | 100.00 | 0.0500 | ND | 0.49 |
| Arochlor 1260 | 1 | 100.00 | 0.0680 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | BLK 94 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 5/12/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **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 | 0.0182 | 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 # :** | BLK71 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 5/7/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/2/98 |
| **Analysis:** | SW-846 Method 8081 | **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 | 0.0182 | 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

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 # :** | BLK96 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 5/15/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **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 | 0.0182 | 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

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 # :** | BLK97 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 5/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **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 | 0.0182 | 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

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 # :** | BLK99 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 5/20/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **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 | 0.0182 | 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 # :** | BLK99 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **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 # :** | BLK100 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **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 # :** | BLK100 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 0.0182 | 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 # :** | BLK102 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 5/22/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/20/98 |
| **Analysis:** | SW-846 Method 8081 | **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 | 0.0182 | 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

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 # :** | BLK104 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 5/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/20/98 |
| **Analysis:** | SW-846 Method 8081 | **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 | 0.0182 | 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

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 # :** | BLK120 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 6/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 7/24/98 |
| **Analysis:** | SW-846 Method 8081 | **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 # :** | BLK132 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 6/29/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/5/98 |
| **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 # :** | BLK133 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 6/30/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/5/98 |
| **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 # :** | BLK144 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 7/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/22/98 |
| **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 # :** | BLK171 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 8/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/23/98 |
| **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 # :** | BLK172 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/10/98 |
| **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 # :** | BLK172 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/10/98 |
| **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 # :** | BLK174 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 8/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/24/98 |
| **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 # :** | BLK178 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 8/26/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/1/98 |
| **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 | 0.0003 | 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 # :** | BLK180 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/2/98 |
| **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 | 0.0003 | 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

# FIELD DUPLICATES

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3479.15 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/14/98 |
| | Bldg. 173 | **Extraction Date:** | 4/15/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/21/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 Landfill |
| **Matrix:** | Soil | | Ft. Monmouth, NJ |
| **Analyst:** | D. Wright | **Field ID:** | M-5 Field Dup |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 86.46 | 0.0002 | ND | NLE |
| beta-BHC | 1 | 86.46 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 86.46 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 86.46 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 86.46 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 86.46 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 86.46 | 0.0003 | ND | NLE |
| Endosulfan I | 1 | 86.46 | 0.0003 | ND | NLE |
| 4,4'-DDE | 1 | 86.46 | 0.0004 | 0.001 | 2 |
| Dieldrin | 1 | 86.46 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 86.46 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 86.46 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 86.46 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 86.46 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 86.46 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 86.46 | 0.0011 | ND | NLE |
| gamma -Chlordane | 1 | 86.46 | 0.0011 | ND | NLE |
| alpha-Chlordane | 1 | 86.46 | 0.0011 | ND | NLE |
| Toxaphene | 1 | 86.46 | 0.0197 | ND | 0.1 |
| Arochlor 1016 | 1 | 86.46 | 0.0697 | ND | 0.49 |
| Arochlor 1221 | 1 | 86.46 | 0.0542 | ND | 0.49 |
| Arochlor 1232 | 1 | 86.46 | 0.0542 | ND | 0.49 |
| Arochlor 1242 | 1 | 86.46 | 0.0306 | ND | 0.49 |
| Arochlor 1248 | 1 | 86.46 | 0.0542 | ND | 0.49 |
| Arochlor 1254 | 1 | 86.46 | 0.0542 | ND | 0.49 |
| Arochlor 1260 | 1 | 86.46 | 0.0738 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3543.18 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/4/98 |
| | Bldg. 173 | **Extraction Date:** | 5/6/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/30/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 1 | 77.84 | 0.0004 | ND | NLE |
| beta-BHC | 1 | 77.84 | 0.0004 | ND | NLE |
| gamma-BHC | 1 | 77.84 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 77.84 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 77.84 | 0.0004 | ND | 0.15 |
| Aldrin | 1 | 77.84 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 77.84 | 0.0008 | ND | NLE |
| Endosulfan I | 1 | 77.84 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 77.84 | 0.0005 | ND | 2 |
| Dieldrin | 1 | 77.84 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 77.84 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 77.84 | 0.0005 | ND | NLE |
| 4,4'-DDD | 1 | 77.84 | 0.0008 | ND | 3 |
| Endrin Aldehyde | 1 | 77.84 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 77.84 | 0.0014 | ND | 2 |
| Endosulfan-Sulfate | 1 | 77.84 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 77.84 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 77.84 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 77.84 | 0.0229 | ND | 0.1 |
| Arochlor 1016 | 1 | 77.84 | 0.0141 | ND | 0.49 |
| Arochlor 1221 | 1 | 77.84 | 0.0259 | ND | 0.49 |
| Arochlor 1232 | 1 | 77.84 | 0.0176 | ND | 0.49 |
| Arochlor 1242 | 1 | 77.84 | 0.0201 | ND | 0.49 |
| Arochlor 1248 | 1 | 77.84 | 0.0080 | ND | 0.49 |
| Arochlor 1254 | 1 | 77.84 | 0.0050 | ND | 0.49 |
| Arochlor 1260 | 1 | 77.84 | 0.0045 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3567.23 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/14/98 |
| | Bldg. 173 | **Extraction Date:** | 5/15/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 1 | 91.68 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 91.68 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 91.68 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 91.68 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 91.68 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 91.68 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 91.68 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 91.68 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 91.68 | 0.0004 | 0.002 | 2 |
| Dieldrin | 1 | 91.68 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 91.68 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 91.68 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 91.68 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 91.68 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 91.68 | 0.0012 | ND | 2 |
| Endosulfan-Sulfate | 1 | 91.68 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 91.68 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 91.68 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 91.68 | 0.0192 | ND | 0.1 |
| Arochlor 1016 | 1 | 91.68 | 0.0118 | ND | 0.49 |
| Arochlor 1221 | 1 | 91.68 | 0.0217 | ND | 0.49 |
| Arochlor 1232 | 1 | 91.68 | 0.0148 | ND | 0.49 |
| Arochlor 1242 | 1 | 91.68 | 0.0169 | ND | 0.49 |
| Arochlor 1248 | 1 | 91.68 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 91.68 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 91.68 | 0.0038 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3580.38 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/19/98 |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **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 | 1 | 86.34 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 86.34 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 86.34 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 86.34 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 86.34 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 86.34 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 86.34 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 86.34 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 86.34 | 0.0005 | 0.002 | 2 |
| Dieldrin | 1 | 86.34 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 86.34 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 86.34 | 0.0005 | ND | NLE |
| 4,4'-DDD | 1 | 86.34 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 86.34 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 86.34 | 0.0012 | 0.002 | 2 |
| Endosulfan-Sulfate | 1 | 86.34 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 86.34 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 86.34 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 86.34 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 86.34 | 0.0126 | ND | 0.49 |
| Arochlor 1221 | 1 | 86.34 | 0.0233 | ND | 0.49 |
| Arochlor 1232 | 1 | 86.34 | 0.0158 | ND | 0.49 |
| Arochlor 1242 | 1 | 86.34 | 0.0181 | ND | 0.49 |
| Arochlor 1248 | 1 | 86.34 | 0.0072 | ND | 0.49 |
| Arochlor 1254 | 1 | 86.34 | 0.0045 | ND | 0.49 |
| Arochlor 1260 | 1 | 86.34 | 0.0041 | 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 # :** | 3665.25 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 6/18/98 |
| | Bldg. 173 | **Extraction Date:** | 6/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 7/24/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 1 | 90.35 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 90.35 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 90.35 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 90.35 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 90.35 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 90.35 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 90.35 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 90.35 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 90.35 | 0.0004 | 0.011 | 2 |
| Dieldrin | 1 | 90.35 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 90.35 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 90.35 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 90.35 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 90.35 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 90.35 | 0.0011 | 0.017 | 2 |
| Endosulfan-Sulfate | 1 | 90.35 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 90.35 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 90.35 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 90.35 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 90.35 | 0.0115 | ND | 0.49 |
| Arochlor 1221 | 1 | 90.35 | 0.0212 | ND | 0.49 |
| Arochlor 1232 | 1 | 90.35 | 0.0144 | ND | 0.49 |
| Arochlor 1242 | 1 | 90.35 | 0.0165 | ND | 0.49 |
| Arochlor 1248 | 1 | 90.35 | 0.0066 | ND | 0.49 |
| Arochlor 1254 | 1 | 90.35 | 0.0041 | ND | 0.49 |
| Arochlor 1260 | 1 | 90.35 | 0.0037 | 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 # :** | 3722.24 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 7/13/98 |
| | Bldg. 173 | **Extraction Date:** | 7/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/22/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **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 | 1 | 95.00 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 95.00 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 95.00 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 95.00 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 95.00 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 95.00 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 95.00 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 95.00 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 95.00 | 0.0004 | 0.008 | 2 |
| Dieldrin | 1 | 95.00 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 95.00 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 95.00 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 95.00 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 95.00 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 95.00 | 0.0011 | 0.009 | 2 |
| Endosulfan-Sulfate | 1 | 95.00 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 95.00 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 95.00 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 95.00 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 95.00 | 0.0108 | ND | 0.49 |
| Arochlor 1221 | 1 | 95.00 | 0.0198 | ND | 0.49 |
| Arochlor 1232 | 1 | 95.00 | 0.0135 | ND | 0.49 |
| Arochlor 1242 | 1 | 95.00 | 0.0154 | ND | 0.49 |
| Arochlor 1248 | 1 | 95.00 | 0.0062 | ND | 0.49 |
| Arochlor 1254 | 1 | 95.00 | 0.0038 | ND | 0.49 |
| Arochlor 1260 | 1 | 95.00 | 0.0035 | 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 # :** | 3805.32 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/12/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/11/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **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 | 1 | 86.88 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 86.88 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 86.88 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 86.88 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 86.88 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 86.88 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 86.88 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 86.88 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 86.88 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 86.88 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 86.88 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 86.88 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 86.88 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 86.88 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 86.88 | 0.0011 | ND | 2 |
| Endosulfan-Sulfate | 1 | 86.88 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 86.88 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 86.88 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 86.88 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 86.88 | 0.0113 | ND | 0.49 |
| Arochlor 1221 | 1 | 86.88 | 0.0209 | ND | 0.49 |
| Arochlor 1232 | 1 | 86.88 | 0.0142 | ND | 0.49 |
| Arochlor 1242 | 1 | 86.88 | 0.0162 | ND | 0.49 |
| Arochlor 1248 | 1 | 86.88 | 0.0065 | ND | 0.49 |
| Arochlor 1254 | 5 | 86.88 | 0.0202 | 10.343 | 0.49 |
| Arochlor 1260 | 1 | 86.88 | 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 # :** | 3809.24 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/10/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/23/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **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 | 1 | 94.66 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 94.66 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 94.66 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 94.66 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 94.66 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 94.66 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 94.66 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 94.66 | 0.0005 | ND | NLE |
| 4,4'-DDE | 20 | 94.66 | 0.0082 | 0.457 | 2 |
| Dieldrin | 1 | 94.66 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 94.66 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 94.66 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 94.66 | 0.0006 | 0.069 | 3 |
| Endrin Aldehyde | 1 | 94.66 | 0.0005 | ND | NLE |
| 4,4'-DDT | 20 | 94.66 | 0.0225 | 0.491 | 2 |
| Endosulfan-Sulfate | 1 | 94.66 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 94.66 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 94.66 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 94.66 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 94.66 | 0.0114 | ND | 0.49 |
| Arochlor 1221 | 1 | 94.66 | 0.0210 | ND | 0.49 |
| Arochlor 1232 | 1 | 94.66 | 0.0143 | ND | 0.49 |
| Arochlor 1242 | 1 | 94.66 | 0.0163 | ND | 0.49 |
| Arochlor 1248 | 1 | 94.66 | 0.0065 | ND | 0.49 |
| Arochlor 1254 | 1 | 94.66 | 0.0041 | ND | 0.49 |
| Arochlor 1260 | 1 | 94.66 | 0.0037 | 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 # :** | 3836.38 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/5/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **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 | 1 | 86.75 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 86.75 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 86.75 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 86.75 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 86.75 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 86.75 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 86.75 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 86.75 | 0.0006 | ND | NLE |
| 4,4'-DDE | 100 | 86.75 | 0.0463 | 0.340 | 2 |
| Dieldrin | 1 | 86.75 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 86.75 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 86.75 | 0.0005 | ND | NLE |
| 4,4'-DDD | 1 | 86.75 | 0.0007 | 0.109 | 3 |
| Endrin Aldehyde | 1 | 86.75 | 0.0006 | ND | NLE |
| 4,4'-DDT | 100 | 86.75 | 0.1274 | 0.822 | 2 |
| Endosulfan-Sulfate | 1 | 86.75 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 86.75 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 86.75 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 86.75 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 86.75 | 0.0130 | ND | 0.49 |
| Arochlor 1221 | 1 | 86.75 | 0.0239 | ND | 0.49 |
| Arochlor 1232 | 1 | 86.75 | 0.0162 | ND | 0.49 |
| Arochlor 1242 | 1 | 86.75 | 0.0185 | ND | 0.49 |
| Arochlor 1248 | 1 | 86.75 | 0.0074 | ND | 0.49 |
| Arochlor 1254 | 1 | 86.75 | 0.0046 | ND | 0.49 |
| Arochlor 1260 | 1 | 86.75 | 0.0042 | 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

# SAMPLES

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3465.03 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/8/98 |
| | Bldg. 173 | **Extraction Date:** | 4/9/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/13/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-1 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 2 | 90.87 | 0.0005 | ND | NLE |
| beta-BHC | 2 | 90.87 | 0.0006 | ND | NLE |
| gamma-BHC | 2 | 90.87 | 0.0006 | ND | 0.52 |
| delta-BHC | 2 | 90.87 | 0.0006 | ND | NLE |
| Heptachlor | 2 | 90.87 | 0.0006 | ND | 0.15 |
| Aldrin | 2 | 90.87 | 0.0006 | ND | 0.04 |
| Heptachlor Epoxide | 2 | 90.87 | 0.0005 | ND | NLE |
| Endosulfan I | 2 | 90.87 | 0.0005 | ND | NLE |
| 4,4'-DDE | 2 | 90.87 | 0.0007 | ND | 2 |
| Dieldrin | 2 | 90.87 | 0.0004 | ND | 0.042 |
| Endrin | 2 | 90.87 | 0.0006 | ND | 17 |
| Endosulfan II | 2 | 90.87 | 0.0006 | 0.008 | NLE |
| 4,4'-DDD | 2 | 90.87 | 0.0014 | ND | 3 |
| Endrin Aldehyde | 2 | 90.87 | 0.0011 | ND | NLE |
| 4,4'-DDT | 2 | 90.87 | 0.0003 | ND | 2 |
| Endosulfan-Sulfate | 2 | 90.87 | 0.0021 | ND | NLE |
| gamma -Chlordane | 2 | 90.87 | 0.0022 | ND | NLE |
| alpha-Chlordane | 2 | 90.87 | 0.0022 | ND | NLE |
| Toxaphene | 2 | 90.87 | 0.0393 | ND | 0.1 |
| Arochlor 1016 | 2 | 90.87 | 0.1387 | ND | 0.49 |
| Arochlor 1221 | 2 | 90.87 | 0.1080 | ND | 0.49 |
| Arochlor 1232 | 2 | 90.87 | 0.1080 | ND | 0.49 |
| Arochlor 1242 | 2 | 90.87 | 0.0609 | ND | 0.49 |
| Arochlor 1248 | 2 | 90.87 | 0.1080 | ND | 0.49 |
| Arochlor 1254 | 2 | 90.87 | 0.1080 | ND | 0.49 |
| Arochlor 1260 | 2 | 90.87 | 0.1469 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3465.07 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/8/98 |
| | Bldg. 173 | **Extraction Date:** | 4/9/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/13/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 2 | 86.67 | 0.0005 | ND | NLE |
| beta-BHC | 2 | 86.67 | 0.0006 | ND | NLE |
| gamma-BHC | 2 | 86.67 | 0.0006 | ND | 0.52 |
| delta-BHC | 2 | 86.67 | 0.0006 | ND | NLE |
| Heptachlor | 2 | 86.67 | 0.0006 | ND | 0.15 |
| Aldrin | 2 | 86.67 | 0.0006 | ND | 0.04 |
| Heptachlor Epoxide | 2 | 86.67 | 0.0005 | ND | NLE |
| Endosulfan I | 2 | 86.67 | 0.0005 | ND | NLE |
| 4,4'-DDE | 2 | 86.67 | 0.0007 | 0.001 | 2 |
| Dieldrin | 2 | 86.67 | 0.0004 | ND | 0.042 |
| Endrin | 2 | 86.67 | 0.0006 | ND | 17 |
| Endosulfan II | 2 | 86.67 | 0.0006 | ND | NLE |
| 4,4'-DDD | 2 | 86.67 | 0.0014 | ND | 3 |
| Endrin Aldehyde | 2 | 86.67 | 0.0011 | ND | NLE |
| 4,4'-DDT | 2 | 86.67 | 0.0003 | ND | 2 |
| Endosulfan-Sulfate | 2 | 86.67 | 0.0021 | ND | NLE |
| gamma -Chlordane | 2 | 86.67 | 0.0022 | ND | NLE |
| alpha-Chlordane | 2 | 86.67 | 0.0022 | ND | NLE |
| Toxaphene | 2 | 86.67 | 0.0393 | ND | 0.1 |
| Arochlor 1016 | 2 | 86.67 | 0.1387 | ND | 0.49 |
| Arochlor 1221 | 2 | 86.67 | 0.1080 | ND | 0.49 |
| Arochlor 1232 | 2 | 86.67 | 0.1080 | ND | 0.49 |
| Arochlor 1242 | 2 | 86.67 | 0.0609 | ND | 0.49 |
| Arochlor 1248 | 2 | 86.67 | 0.1080 | ND | 0.49 |
| Arochlor 1254 | 2 | 86.67 | 0.1080 | ND | 0.49 |
| Arochlor 1260 | 2 | 86.67 | 0.1469 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

001792

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3465.11 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/8/98 |
| | Bldg. 173 | **Extraction Date:** | 4/9/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/13/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 2 | 88.14 | 0.0005 | ND | NLE |
| beta-BHC | 2 | 88.14 | 0.0006 | ND | NLE |
| gamma-BHC | 2 | 88.14 | 0.0006 | ND | 0.52 |
| delta-BHC | 2 | 88.14 | 0.0006 | ND | NLE |
| Heptachlor | 2 | 88.14 | 0.0006 | ND | 0.15 |
| Aldrin | 2 | 88.14 | 0.0006 | ND | 0.04 |
| Heptachlor Epoxide | 2 | 88.14 | 0.0005 | ND | NLE |
| Endosulfan I | 2 | 88.14 | 0.0005 | ND | NLE |
| 4,4'-DDE | 2 | 88.14 | 0.0008 | 0.001 | 2 |
| Dieldrin | 2 | 88.14 | 0.0004 | ND | 0.042 |
| Endrin | 2 | 88.14 | 0.0007 | ND | 17 |
| Endosulfan II | 2 | 88.14 | 0.0006 | ND | NLE |
| 4,4'-DDD | 2 | 88.14 | 0.0015 | ND | 3 |
| Endrin Aldehyde | 2 | 88.14 | 0.0012 | ND | NLE |
| 4,4'-DDT | 2 | 88.14 | 0.0003 | ND | 2 |
| Endosulfan-Sulfate | 2 | 88.14 | 0.0022 | ND | NLE |
| gamma -Chlordane | 2 | 88.14 | 0.0022 | ND | NLE |
| alpha-Chlordane | 2 | 88.14 | 0.0022 | ND | NLE |
| Toxaphene | 2 | 88.14 | 0.0408 | ND | 0.1 |
| Arochlor 1016 | 2 | 88.14 | 0.1438 | ND | 0.49 |
| Arochlor 1221 | 2 | 88.14 | 0.1120 | ND | 0.49 |
| Arochlor 1232 | 2 | 88.14 | 0.1120 | ND | 0.49 |
| Arochlor 1242 | 2 | 88.14 | 0.0632 | ND | 0.49 |
| Arochlor 1248 | 2 | 88.14 | 0.1120 | ND | 0.49 |
| Arochlor 1254 | 2 | 88.14 | 0.1120 | ND | 0.49 |
| Arochlor 1260 | 2 | 88.14 | 0.1523 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3470.03 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/9/98 |
| | Bldg. 173 | **Extraction Date:** | 4/10/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/14/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 2 | 90.85 | 0.0005 | ND | NLE |
| beta-BHC | 2 | 90.85 | 0.0006 | ND | NLE |
| gamma-BHC | 2 | 90.85 | 0.0006 | ND | 0.52 |
| delta-BHC | 2 | 90.85 | 0.0006 | ND | NLE |
| Heptachlor | 2 | 90.85 | 0.0006 | ND | 0.15 |
| Aldrin | 2 | 90.85 | 0.0006 | ND | 0.04 |
| Heptachlor Epoxide | 2 | 90.85 | 0.0005 | ND | NLE |
| Endosulfan I | 2 | 90.85 | 0.0005 | ND | NLE |
| 4,4'-DDE | 2 | 90.85 | 0.0007 | 0.001 | 2 |
| Dieldrin | 2 | 90.85 | 0.0004 | ND | 0.042 |
| Endrin | 2 | 90.85 | 0.0006 | ND | 17 |
| Endosulfan II | 2 | 90.85 | 0.0006 | ND | NLE |
| 4,4'-DDD | 2 | 90.85 | 0.0014 | ND | 3 |
| Endrin Aldehyde | 2 | 90.85 | 0.0011 | ND | NLE |
| 4,4'-DDT | 2 | 90.85 | 0.0003 | ND | 2 |
| Endosulfan-Sulfate | 2 | 90.85 | 0.0021 | ND | NLE |
| gamma -Chlordane | 2 | 90.85 | 0.0021 | ND | NLE |
| alpha-Chlordane | 2 | 90.85 | 0.0021 | ND | NLE |
| Toxaphene | 2 | 90.85 | 0.0387 | ND | 0.1 |
| Arochlor 1016 | 2 | 90.85 | 0.1366 | ND | 0.49 |
| Arochlor 1221 | 2 | 90.85 | 0.1063 | ND | 0.49 |
| Arochlor 1232 | 2 | 90.85 | 0.1063 | ND | 0.49 |
| Arochlor 1242 | 2 | 90.85 | 0.0600 | ND | 0.49 |
| Arochlor 1248 | 2 | 90.85 | 0.1063 | ND | 0.49 |
| Arochlor 1254 | 2 | 90.85 | 0.1063 | ND | 0.49 |
| Arochlor 1260 | 2 | 90.85 | 0.1446 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

001794

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3470.07 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/9/98 |
| | Bldg. 173 | **Extraction Date:** | 4/10/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/14/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 2 | 89.42 | 0.0005 | ND | NLE |
| beta-BHC | 2 | 89.42 | 0.0005 | ND | NLE |
| gamma-BHC | 2 | 89.42 | 0.0005 | ND | 0.52 |
| delta-BHC | 2 | 89.42 | 0.0006 | ND | NLE |
| Heptachlor | 2 | 89.42 | 0.0006 | ND | 0.15 |
| Aldrin | 2 | 89.42 | 0.0006 | ND | 0.04 |
| Heptachlor Epoxide | 2 | 89.42 | 0.0005 | ND | NLE |
| Endosulfan I | 2 | 89.42 | 0.0005 | ND | NLE |
| 4,4'-DDE | 2 | 89.42 | 0.0007 | ND | 2 |
| Dieldrin | 2 | 89.42 | 0.0004 | ND | 0.042 |
| Endrin | 2 | 89.42 | 0.0006 | ND | 17 |
| Endosulfan II | 2 | 89.42 | 0.0006 | ND | NLE |
| 4,4'-DDD | 2 | 89.42 | 0.0014 | ND | 3 |
| Endrin Aldehyde | 2 | 89.42 | 0.0011 | ND | NLE |
| 4,4'-DDT | 2 | 89.42 | 0.0003 | ND | 2 |
| Endosulfan-Sulfate | 2 | 89.42 | 0.0020 | ND | NLE |
| gamma -Chlordane | 2 | 89.42 | 0.0020 | ND | NLE |
| alpha-Chlordane | 2 | 89.42 | 0.0020 | ND | NLE |
| Toxaphene | 2 | 89.42 | 0.0373 | ND | 0.1 |
| Arochlor 1016 | 2 | 89.42 | 0.1315 | ND | 0.49 |
| Arochlor 1221 | 2 | 89.42 | 0.1024 | ND | 0.49 |
| Arochlor 1232 | 2 | 89.42 | 0.1024 | ND | 0.49 |
| Arochlor 1242 | 2 | 89.42 | 0.0578 | ND | 0.49 |
| Arochlor 1248 | 2 | 89.42 | 0.1024 | ND | 0.49 |
| Arochlor 1254 | 2 | 89.42 | 0.1024 | ND | 0.49 |
| Arochlor 1260 | 2 | 89.42 | 0.1393 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3470.11 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/9/98 |
| | Bldg. 173 | **Extraction Date:** | 4/10/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/14/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 2 | 90.32 | 0.0005 | ND | NLE |
| beta-BHC | 2 | 90.32 | 0.0005 | ND | NLE |
| gamma-BHC | 2 | 90.32 | 0.0005 | ND | 0.52 |
| delta-BHC | 2 | 90.32 | 0.0006 | ND | NLE |
| Heptachlor | 2 | 90.32 | 0.0006 | ND | 0.15 |
| Aldrin | 2 | 90.32 | 0.0006 | ND | 0.04 |
| Heptachlor Epoxide | 2 | 90.32 | 0.0005 | ND | NLE |
| Endosulfan I | 2 | 90.32 | 0.0005 | ND | NLE |
| 4,4'-DDE | 2 | 90.32 | 0.0007 | ND | 2 |
| Dieldrin | 2 | 90.32 | 0.0004 | ND | 0.042 |
| Endrin | 2 | 90.32 | 0.0006 | ND | 17 |
| Endosulfan II | 2 | 90.32 | 0.0006 | ND | NLE |
| 4,4'-DDD | 2 | 90.32 | 0.0014 | ND | 3 |
| Endrin Aldehyde | 2 | 90.32 | 0.0011 | ND | NLE |
| 4,4'-DDT | 2 | 90.32 | 0.0003 | ND | 2 |
| Endosulfan-Sulfate | 2 | 90.32 | 0.0021 | ND | NLE |
| gamma -Chlordane | 2 | 90.32 | 0.0021 | ND | NLE |
| alpha-Chlordane | 2 | 90.32 | 0.0021 | ND | NLE |
| Toxaphene | 2 | 90.32 | 0.0385 | ND | 0.1 |
| Arochlor 1016 | 2 | 90.32 | 0.1358 | ND | 0.49 |
| Arochlor 1221 | 2 | 90.32 | 0.1057 | ND | 0.49 |
| Arochlor 1232 | 2 | 90.32 | 0.1057 | ND | 0.49 |
| Arochlor 1242 | 2 | 90.32 | 0.0596 | ND | 0.49 |
| Arochlor 1248 | 2 | 90.32 | 0.1057 | ND | 0.49 |
| Arochlor 1254 | 2 | 90.32 | 0.1057 | ND | 0.49 |
| Arochlor 1260 | 2 | 90.32 | 0.1438 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3470.15 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/9/98 |
| | Bldg. 173 | **Extraction Date:** | 4/10/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/14/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 2 | 82.55 | 0.0005 | ND | NLE |
| beta-BHC | 2 | 82.55 | 0.0006 | ND | NLE |
| gamma-BHC | 2 | 82.55 | 0.0006 | ND | 0.52 |
| delta-BHC | 2 | 82.55 | 0.0007 | ND | NLE |
| Heptachlor | 2 | 82.55 | 0.0006 | ND | 0.15 |
| Aldrin | 2 | 82.55 | 0.0007 | ND | 0.04 |
| Heptachlor Epoxide | 2 | 82.55 | 0.0006 | ND | NLE |
| Endosulfan I | 2 | 82.55 | 0.0006 | ND | NLE |
| 4,4'-DDE | 2 | 82.55 | 0.0008 | ND | 2 |
| Dieldrin | 2 | 82.55 | 0.0004 | ND | 0.042 |
| Endrin | 2 | 82.55 | 0.0007 | ND | 17 |
| Endosulfan II | 2 | 82.55 | 0.0006 | ND | NLE |
| 4,4'-DDD | 2 | 82.55 | 0.0015 | ND | 3 |
| Endrin Aldehyde | 2 | 82.55 | 0.0012 | ND | NLE |
| 4,4'-DDT | 2 | 82.55 | 0.0004 | ND | 2 |
| Endosulfan-Sulfate | 2 | 82.55 | 0.0023 | ND | NLE |
| gamma -Chlordane | 2 | 82.55 | 0.0023 | ND | NLE |
| alpha-Chlordane | 2 | 82.55 | 0.0023 | ND | NLE |
| Toxaphene | 2 | 82.55 | 0.0427 | ND | 0.1 |
| Arochlor 1016 | 2 | 82.55 | 0.1506 | ND | 0.49 |
| Arochlor 1221 | 2 | 82.55 | 0.1173 | ND | 0.49 |
| Arochlor 1232 | 2 | 82.55 | 0.1173 | ND | 0.49 |
| Arochlor 1242 | 2 | 82.55 | 0.0661 | ND | 0.49 |
| Arochlor 1248 | 2 | 82.55 | 0.1173 | ND | 0.49 |
| Arochlor 1254 | 2 | 82.55 | 0.1173 | ND | 0.49 |
| Arochlor 1260 | 2 | 82.55 | 0.1595 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3472.03 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/10/98 |
| | Bldg. 173 | **Extraction Date:** | 4/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/14/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 2 | 76.60 | 0.0005 | ND | NLE |
| beta-BHC | 2 | 76.60 | 0.0006 | ND | NLE |
| gamma-BHC | 2 | 76.60 | 0.0006 | ND | 0.52 |
| delta-BHC | 2 | 76.60 | 0.0007 | ND | NLE |
| Heptachlor | 2 | 76.60 | 0.0006 | ND | 0.15 |
| Aldrin | 2 | 76.60 | 0.0007 | ND | 0.04 |
| Heptachlor Epoxide | 2 | 76.60 | 0.0006 | ND | NLE |
| Endosulfan I | 2 | 76.60 | 0.0006 | ND | NLE |
| 4,4'-DDE | 2 | 76.60 | 0.0008 | 0.006 | 2 |
| Dieldrin | 2 | 76.60 | 0.0005 | ND | 0.042 |
| Endrin | 2 | 76.60 | 0.0007 | ND | 17 |
| Endosulfan II | 2 | 76.60 | 0.0006 | ND | NLE |
| 4,4'-DDD | 2 | 76.60 | 0.0016 | 0.006 | 3 |
| Endrin Aldehyde | 2 | 76.60 | 0.0012 | ND | NLE |
| 4,4'-DDT | 2 | 76.60 | 0.0004 | 0.010 | 2 |
| Endosulfan-Sulfate | 2 | 76.60 | 0.0023 | ND | NLE |
| gamma -Chlordane | 2 | 76.60 | 0.0024 | ND | NLE |
| alpha-Chlordane | 2 | 76.60 | 0.0024 | ND | NLE |
| Toxaphene | 2 | 76.60 | 0.0435 | ND | 0.1 |
| Arochlor 1016 | 2 | 76.60 | 0.1534 | ND | 0.49 |
| Arochlor 1221 | 2 | 76.60 | 0.1194 | ND | 0.49 |
| Arochlor 1232 | 2 | 76.60 | 0.1194 | ND | 0.49 |
| Arochlor 1242 | 2 | 76.60 | 0.0674 | ND | 0.49 |
| Arochlor 1248 | 2 | 76.60 | 0.1194 | ND | 0.49 |
| Arochlor 1254 | 2 | 76.60 | 0.1194 | ND | 0.49 |
| Arochlor 1260 | 2 | 76.60 | 0.1624 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3472.07 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/10/98 |
| | Bldg. 173 | **Extraction Date:** | 4/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/14/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 2 | 80.53 | 0.0006 | ND | NLE |
| beta-BHC | 2 | 80.53 | 0.0006 | ND | NLE |
| gamma-BHC | 2 | 80.53 | 0.0006 | ND | 0.52 |
| delta-BHC | 2 | 80.53 | 0.0007 | ND | NLE |
| Heptachlor | 2 | 80.53 | 0.0007 | ND | 0.15 |
| Aldrin | 2 | 80.53 | 0.0007 | ND | 0.04 |
| Heptachlor Epoxide | 2 | 80.53 | 0.0006 | ND | NLE |
| Endosulfan I | 2 | 80.53 | 0.0006 | ND | NLE |
| 4,4'-DDE | 2 | 80.53 | 0.0008 | 0.021 | 2 |
| Dieldrin | 2 | 80.53 | 0.0005 | ND | 0.042 |
| Endrin | 2 | 80.53 | 0.0007 | ND | 17 |
| Endosulfan II | 2 | 80.53 | 0.0007 | ND | NLE |
| 4,4'-DDD | 2 | 80.53 | 0.0016 | ND | 3 |
| Endrin Aldehyde | 2 | 80.53 | 0.0013 | ND | NLE |
| 4,4'-DDT | 2 | 80.53 | 0.0004 | ND | 2 |
| Endosulfan-Sulfate | 2 | 80.53 | 0.0024 | ND | NLE |
| gamma -Chlordane | 2 | 80.53 | 0.0025 | ND | NLE |
| alpha-Chlordane | 2 | 80.53 | 0.0025 | ND | NLE |
| Toxaphene | 2 | 80.53 | 0.0448 | ND | 0.1 |
| Arochlor 1016 | 2 | 80.53 | 0.1580 | ND | 0.49 |
| Arochlor 1221 | 2 | 80.53 | 0.1231 | ND | 0.49 |
| Arochlor 1232 | 2 | 80.53 | 0.1231 | ND | 0.49 |
| Arochlor 1242 | 2 | 80.53 | 0.0694 | ND | 0.49 |
| Arochlor 1248 | 2 | 80.53 | 0.1231 | ND | 0.49 |
| Arochlor 1254 | 2 | 80.53 | 0.1231 | ND | 0.49 |
| Arochlor 1260 | 2 | 80.53 | 0.1674 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3472.11 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/10/98 |
| | Bldg. 173 | **Extraction Date:** | 4/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/14/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-10 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 2 | 83.68 | 0.0005 | ND | NLE |
| beta-BHC | 2 | 83.68 | 0.0006 | ND | NLE |
| gamma-BHC | 2 | 83.68 | 0.0006 | ND | 0.52 |
| delta-BHC | 2 | 83.68 | 0.0007 | ND | NLE |
| Heptachlor | 2 | 83.68 | 0.0006 | ND | 0.15 |
| Aldrin | 2 | 83.68 | 0.0006 | ND | 0.04 |
| Heptachlor Epoxide | 2 | 83.68 | 0.0005 | ND | NLE |
| Endosulfan I | 2 | 83.68 | 0.0005 | ND | NLE |
| 4,4'-DDE | 2 | 83.68 | 0.0008 | ND | 2 |
| Dieldrin | 2 | 83.68 | 0.0004 | ND | 0.042 |
| Endrin | 2 | 83.68 | 0.0007 | ND | 17 |
| Endosulfan II | 2 | 83.68 | 0.0006 | ND | NLE |
| 4,4'-DDD | 2 | 83.68 | 0.0015 | 0.003 | 3 |
| Endrin Aldehyde | 2 | 83.68 | 0.0012 | ND | NLE |
| 4,4'-DDT | 2 | 83.68 | 0.0003 | 0.006 | 2 |
| Endosulfan-Sulfate | 2 | 83.68 | 0.0022 | ND | NLE |
| gamma -Chlordane | 2 | 83.68 | 0.0023 | ND | NLE |
| alpha-Chlordane | 2 | 83.68 | 0.0023 | ND | NLE |
| Toxaphene | 2 | 83.68 | 0.0413 | ND | 0.1 |
| Arochlor 1016 | 2 | 83.68 | 0.1456 | ND | 0.49 |
| Arochlor 1221 | 2 | 83.68 | 0.1134 | ND | 0.49 |
| Arochlor 1232 | 2 | 83.68 | 0.1134 | ND | 0.49 |
| Arochlor 1242 | 2 | 83.68 | 0.0639 | ND | 0.49 |
| Arochlor 1248 | 2 | 83.68 | 0.1134 | ND | 0.49 |
| Arochlor 1254 | 2 | 83.68 | 0.1134 | ND | 0.49 |
| Arochlor 1260 | 2 | 83.68 | 0.1542 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

001800

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3473.03 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/11/98 |
| | Bldg. 173 | **Extraction Date:** | 4/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/14/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 2 | 86.90 | 0.0005 | ND | NLE |
| beta-BHC | 2 | 86.90 | 0.0006 | ND | NLE |
| gamma-BHC | 2 | 86.90 | 0.0006 | ND | 0.52 |
| delta-BHC | 2 | 86.90 | 0.0006 | ND | NLE |
| Heptachlor | 2 | 86.90 | 0.0006 | ND | 0.15 |
| Aldrin | 2 | 86.90 | 0.0006 | ND | 0.04 |
| Heptachlor Epoxide | 2 | 86.90 | 0.0005 | ND | NLE |
| Endosulfan I | 2 | 86.90 | 0.0005 | ND | NLE |
| 4,4'-DDE | 2 | 86.90 | 0.0007 | ND | 2 |
| Dieldrin | 2 | 86.90 | 0.0004 | ND | 0.042 |
| Endrin | 2 | 86.90 | 0.0006 | ND | 17 |
| Endosulfan II | 2 | 86.90 | 0.0006 | ND | NLE |
| 4,4'-DDD | 2 | 86.90 | 0.0014 | ND | 3 |
| Endrin Aldehyde | 2 | 86.90 | 0.0011 | ND | NLE |
| 4,4'-DDT | 2 | 86.90 | 0.0003 | ND | 2 |
| Endosulfan-Sulfate | 2 | 86.90 | 0.0021 | ND | NLE |
| gamma -Chlordane | 2 | 86.90 | 0.0022 | ND | NLE |
| alpha-Chlordane | 2 | 86.90 | 0.0022 | ND | NLE |
| Toxaphene | 2 | 86.90 | 0.0392 | ND | 0.1 |
| Arochlor 1016 | 2 | 86.90 | 0.1383 | ND | 0.49 |
| Arochlor 1221 | 2 | 86.90 | 0.1077 | ND | 0.49 |
| Arochlor 1232 | 2 | 86.90 | 0.1077 | ND | 0.49 |
| Arochlor 1242 | 2 | 86.90 | 0.0608 | ND | 0.49 |
| Arochlor 1248 | 2 | 86.90 | 0.1077 | ND | 0.49 |
| Arochlor 1254 | 2 | 86.90 | 0.1077 | ND | 0.49 |
| Arochlor 1260 | 2 | 86.90 | 0.1465 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3473.07 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/11/98 |
| | Bldg. 173 | **Extraction Date:** | 4/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/14/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 2 | 85.70 | 0.0005 | ND | NLE |
| beta-BHC | 2 | 85.70 | 0.0006 | ND | NLE |
| gamma-BHC | 2 | 85.70 | 0.0006 | ND | 0.52 |
| delta-BHC | 2 | 85.70 | 0.0006 | ND | NLE |
| Heptachlor | 2 | 85.70 | 0.0006 | ND | 0.15 |
| Aldrin | 2 | 85.70 | 0.0006 | ND | 0.04 |
| Heptachlor Epoxide | 2 | 85.70 | 0.0005 | ND | NLE |
| Endosulfan I | 2 | 85.70 | 0.0005 | ND | NLE |
| 4,4'-DDE | 2 | 85.70 | 0.0007 | 0.008 | 2 |
| Dieldrin | 2 | 85.70 | 0.0004 | ND | 0.042 |
| Endrin | 2 | 85.70 | 0.0006 | ND | 17 |
| Endosulfan II | 2 | 85.70 | 0.0006 | ND | NLE |
| 4,4'-DDD | 2 | 85.70 | 0.0014 | 0.002 | 3 |
| Endrin Aldehyde | 2 | 85.70 | 0.0011 | ND | NLE |
| 4,4'-DDT | 2 | 85.70 | 0.0003 | 0.010 | 2 |
| Endosulfan-Sulfate | 2 | 85.70 | 0.0021 | ND | NLE |
| gamma -Chlordane | 2 | 85.70 | 0.0021 | ND | NLE |
| alpha-Chlordane | 2 | 85.70 | 0.0021 | ND | NLE |
| Toxaphene | 2 | 85.70 | 0.0389 | ND | 0.1 |
| Arochlor 1016 | 2 | 85.70 | 0.1372 | ND | 0.49 |
| Arochlor 1221 | 2 | 85.70 | 0.1069 | ND | 0.49 |
| Arochlor 1232 | 2 | 85.70 | 0.1069 | ND | 0.49 |
| Arochlor 1242 | 2 | 85.70 | 0.0603 | ND | 0.49 |
| Arochlor 1248 | 2 | 85.70 | 0.1069 | ND | 0.49 |
| Arochlor 1254 | 2 | 85.70 | 0.1069 | ND | 0.49 |
| Arochlor 1260 | 2 | 85.70 | 0.1453 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3473.11 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/11/98 |
| | Bldg. 173 | **Extraction Date:** | 4/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/14/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 2 | 88.52 | 0.0005 | ND | NLE |
| beta-BHC | 2 | 88.52 | 0.0006 | ND | NLE |
| gamma-BHC | 2 | 88.52 | 0.0006 | ND | 0.52 |
| delta-BHC | 2 | 88.52 | 0.0006 | ND | NLE |
| Heptachlor | 2 | 88.52 | 0.0006 | ND | 0.15 |
| Aldrin | 2 | 88.52 | 0.0006 | ND | 0.04 |
| Heptachlor Epoxide | 2 | 88.52 | 0.0005 | ND | NLE |
| Endosulfan I | 2 | 88.52 | 0.0005 | ND | NLE |
| 4,4'-DDE | 2 | 88.52 | 0.0008 | ND | 2 |
| Dieldrin | 2 | 88.52 | 0.0004 | ND | 0.042 |
| Endrin | 2 | 88.52 | 0.0007 | ND | 17 |
| Endosulfan II | 2 | 88.52 | 0.0006 | 0.009 | NLE |
| 4,4'-DDD | 2 | 88.52 | 0.0015 | ND | 3 |
| Endrin Aldehyde | 2 | 88.52 | 0.0012 | ND | NLE |
| 4,4'-DDT | 2 | 88.52 | 0.0003 | ND | 2 |
| Endosulfan-Sulfate | 2 | 88.52 | 0.0022 | ND | NLE |
| gamma -Chlordane | 2 | 88.52 | 0.0022 | ND | NLE |
| alpha-Chlordane | 2 | 88.52 | 0.0022 | ND | NLE |
| Toxaphene | 2 | 88.52 | 0.0404 | ND | 0.1 |
| Arochlor 1016 | 2 | 88.52 | 0.1423 | ND | 0.49 |
| Arochlor 1221 | 2 | 88.52 | 0.1109 | ND | 0.49 |
| Arochlor 1232 | 2 | 88.52 | 0.1109 | ND | 0.49 |
| Arochlor 1242 | 2 | 88.52 | 0.0625 | ND | 0.49 |
| Arochlor 1248 | 2 | 88.52 | 0.1109 | ND | 0.49 |
| Arochlor 1254 | 2 | 88.52 | 0.1109 | ND | 0.49 |
| Arochlor 1260 | 2 | 88.52 | 0.1508 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3473.15 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/11/98 |
| | Bldg. 173 | **Extraction Date:** | 4/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/14/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 2 | 87.26 | 0.0005 | ND | NLE |
| beta-BHC | 2 | 87.26 | 0.0006 | ND | NLE |
| gamma-BHC | 2 | 87.26 | 0.0006 | ND | 0.52 |
| delta-BHC | 2 | 87.26 | 0.0007 | ND | NLE |
| Heptachlor | 2 | 87.26 | 0.0006 | ND | 0.15 |
| Aldrin | 2 | 87.26 | 0.0006 | ND | 0.04 |
| Heptachlor Epoxide | 2 | 87.26 | 0.0005 | ND | NLE |
| Endosulfan I | 2 | 87.26 | 0.0005 | ND | NLE |
| 4,4'-DDE | 2 | 87.26 | 0.0008 | ND | 2 |
| Dieldrin | 2 | 87.26 | 0.0004 | ND | 0.042 |
| Endrin | 2 | 87.26 | 0.0007 | ND | 17 |
| Endosulfan II | 2 | 87.26 | 0.0006 | ND | NLE |
| 4,4'-DDD | 2 | 87.26 | 0.0015 | ND | 3 |
| Endrin Aldehyde | 2 | 87.26 | 0.0012 | ND | NLE |
| 4,4'-DDT | 2 | 87.26 | 0.0003 | ND | 2 |
| Endosulfan-Sulfate | 2 | 87.26 | 0.0022 | ND | NLE |
| gamma -Chlordane | 2 | 87.26 | 0.0023 | ND | NLE |
| alpha-Chlordane | 2 | 87.26 | 0.0023 | ND | NLE |
| Toxaphene | 2 | 87.26 | 0.0415 | ND | 0.1 |
| Arochlor 1016 | 2 | 87.26 | 0.1464 | ND | 0.49 |
| Arochlor 1221 | 2 | 87.26 | 0.1140 | ND | 0.49 |
| Arochlor 1232 | 2 | 87.26 | 0.1140 | ND | 0.49 |
| Arochlor 1242 | 2 | 87.26 | 0.0643 | ND | 0.49 |
| Arochlor 1248 | 2 | 87.26 | 0.1140 | ND | 0.49 |
| Arochlor 1254 | 2 | 87.26 | 0.1140 | ND | 0.49 |
| Arochlor 1260 | 2 | 87.26 | 0.1551 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3473.19 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/11/98 |
| | Bldg. 173 | **Extraction Date:** | 4/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/14/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5-Landfill |
| **Matrix:** | Soil | | Ft. Monmouth, NJ |
| **Analyst:** | D. Wright | | |
| **Ext. Meth:** | Sonication | **Field ID:** | M-5-B-15 |

| Pesticide | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 86.73 | 0.0002 | ND | NA |
| beta-BHC | 1 | 86.73 | 0.000 | ND | NA |
| gamma-BHC | 1 | 86.73 | 0.000 | ND | 0.52 |
| delta-BHC | 1 | 86.73 | 0.000 | ND | NA |
| Heptachlor | 1 | 86.73 | 0.000 | ND | 0.15 |
| Aldrin | 1 | 86.73 | 0.000 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 86.73 | 0.000 | ND | NA |
| Endosulfan I | 1 | 86.73 | 0.000 | ND | NA |
| 4,4'-DDE | 1 | 86.73 | 0.000 | ND | 2 |
| Dieldrin | 1 | 86.73 | 0.000 | ND | 0.042 |
| Endrin | 1 | 86.73 | 0.000 | ND | 17 |
| Endosulfan II | 1 | 86.73 | 0.000 | ND | NA |
| 4,4'-DDD | 1 | 86.73 | 0.001 | ND | 3 |
| Endrin Aldehyde | 1 | 86.73 | 0.001 | ND | NA |
| 4,4'-DDT | 1 | 86.73 | 0.000 | ND | 2 |
| Endosulfan-Sulfate | 1 | 86.73 | 0.001 | ND | NA |
| gamma -Chlordane | 1 | 86.73 | 0.010 | ND | NA |
| alpha-Chlordane | 1 | 86.73 | 0.010 | ND | NA |
| Toxaphene | 1 | 86.73 | 0.019 | ND | 0.1 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Daniel K. Wright
Laboratory Director

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3477.03 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/13/98 |
| | Bldg. 173 | **Extraction Date:** | 4/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/21/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 1 | 87.45 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 87.45 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 87.45 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 87.45 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 87.45 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.45 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 87.45 | 0.0003 | ND | NLE |
| Endosulfan I | 1 | 87.45 | 0.0003 | ND | NLE |
| 4,4'-DDE | 1 | 87.45 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 87.45 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 87.45 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 87.45 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 87.45 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 87.45 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 87.45 | 0.0002 | 0.003 | 2 |
| Endosulfan-Sulfate | 1 | 87.45 | 0.0011 | ND | NLE |
| gamma -Chlordane | 1 | 87.45 | 0.0011 | ND | NLE |
| alpha-Chlordane | 1 | 87.45 | 0.0011 | ND | NLE |
| Toxaphene | 1 | 87.45 | 0.0202 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.45 | 0.0713 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.45 | 0.0555 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.45 | 0.0555 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.45 | 0.0313 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.45 | 0.0555 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.45 | 0.0555 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.45 | 0.0755 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3477.07 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/13/98 |
| | Bldg. 173 | **Extraction Date:** | 4/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/21/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 1 | 84.80 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 84.80 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 84.80 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 84.80 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 84.80 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 84.80 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 84.80 | 0.0003 | ND | NLE |
| Endosulfan I | 1 | 84.80 | 0.0003 | ND | NLE |
| 4,4'-DDE | 1 | 84.80 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 84.80 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 84.80 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 84.80 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 84.80 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 84.80 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 84.80 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 84.80 | 0.0011 | ND | NLE |
| gamma -Chlordane | 1 | 84.80 | 0.0011 | ND | NLE |
| alpha-Chlordane | 1 | 84.80 | 0.0011 | ND | NLE |
| Toxaphene | 1 | 84.80 | 0.0200 | ND | 0.1 |
| Arochlor 1016 | 1 | 84.80 | 0.0706 | ND | 0.49 |
| Arochlor 1221 | 1 | 84.80 | 0.0550 | ND | 0.49 |
| Arochlor 1232 | 1 | 84.80 | 0.0550 | ND | 0.49 |
| Arochlor 1242 | 1 | 84.80 | 0.0310 | ND | 0.49 |
| Arochlor 1248 | 1 | 84.80 | 0.0550 | ND | 0.49 |
| Arochlor 1254 | 1 | 84.80 | 0.0550 | ND | 0.49 |
| Arochlor 1260 | 1 | 84.80 | 0.0747 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3477.11 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/13/98 |
| | Bldg. 173 | **Extraction Date:** | 4/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/21/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 1 | 82.22 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 82.22 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 82.22 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 82.22 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 82.22 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 82.22 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 82.22 | 0.0003 | ND | NLE |
| Endosulfan I | 1 | 82.22 | 0.0003 | ND | NLE |
| 4,4'-DDE | 1 | 82.22 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 82.22 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 82.22 | 0.0004 | ND | 17 |
| Endosulfan II | 1 | 82.22 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 82.22 | 0.0008 | ND | 3 |
| Endrin Aldehyde | 1 | 82.22 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 82.22 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 82.22 | 0.0012 | ND | NLE |
| gamma -Chlordane | 1 | 82.22 | 0.0012 | ND | NLE |
| alpha-Chlordane | 1 | 82.22 | 0.0012 | ND | NLE |
| Toxaphene | 1 | 82.22 | 0.0219 | ND | 0.1 |
| Arochlor 1016 | 1 | 82.22 | 0.0774 | ND | 0.49 |
| Arochlor 1221 | 1 | 82.22 | 0.0603 | ND | 0.49 |
| Arochlor 1232 | 1 | 82.22 | 0.0603 | ND | 0.49 |
| Arochlor 1242 | 1 | 82.22 | 0.0340 | ND | 0.49 |
| Arochlor 1248 | 1 | 82.22 | 0.0603 | ND | 0.49 |
| Arochlor 1254 | 1 | 82.22 | 0.0603 | ND | 0.49 |
| Arochlor 1260 | 1 | 82.22 | 0.0820 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

001807

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3477.15 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/13/98 |
| | Bldg. 173 | **Extraction Date:** | 4/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/21/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 1 | 88.49 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 88.49 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 88.49 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 88.49 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 88.49 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 88.49 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 88.49 | 0.0003 | ND | NLE |
| Endosulfan I | 1 | 88.49 | 0.0003 | ND | NLE |
| 4,4'-DDE | 1 | 88.49 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 88.49 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 88.49 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 88.49 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 88.49 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 88.49 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 88.49 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 88.49 | 0.0011 | ND | NLE |
| gamma -Chlordane | 1 | 88.49 | 0.0011 | ND | NLE |
| alpha-Chlordane | 1 | 88.49 | 0.0011 | ND | NLE |
| Toxaphene | 1 | 88.49 | 0.0199 | ND | 0.1 |
| Arochlor 1016 | 1 | 88.49 | 0.0702 | ND | 0.49 |
| Arochlor 1221 | 1 | 88.49 | 0.0547 | ND | 0.49 |
| Arochlor 1232 | 1 | 88.49 | 0.0547 | ND | 0.49 |
| Arochlor 1242 | 1 | 88.49 | 0.0308 | ND | 0.49 |
| Arochlor 1248 | 1 | 88.49 | 0.0547 | ND | 0.49 |
| Arochlor 1254 | 1 | 88.49 | 0.0547 | ND | 0.49 |
| Arochlor 1260 | 1 | 88.49 | 0.0744 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3479.03 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/14/98 |
| | Bldg. 173 | **Extraction Date:** | 4/15/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/21/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-20 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 86.72 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 86.72 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 86.72 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 86.72 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 86.72 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 86.72 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 86.72 | 0.0003 | ND | NLE |
| Endosulfan I | 1 | 86.72 | 0.0003 | ND | NLE |
| 4,4'-DDE | 1 | 86.72 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 86.72 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 86.72 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 86.72 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 86.72 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 86.72 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 86.72 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 86.72 | 0.0011 | ND | NLE |
| gamma -Chlordane | 1 | 86.72 | 0.0011 | ND | NLE |
| alpha-Chlordane | 1 | 86.72 | 0.0011 | ND | NLE |
| Toxaphene | 1 | 86.72 | 0.0199 | ND | 0.1 |
| Arochlor 1016 | 1 | 86.72 | 0.0704 | ND | 0.49 |
| Arochlor 1221 | 1 | 86.72 | 0.0548 | ND | 0.49 |
| Arochlor 1232 | 1 | 86.72 | 0.0548 | ND | 0.49 |
| Arochlor 1242 | 1 | 86.72 | 0.0309 | ND | 0.49 |
| Arochlor 1248 | 1 | 86.72 | 0.0548 | ND | 0.49 |
| Arochlor 1254 | 1 | 86.72 | 0.0548 | ND | 0.49 |
| Arochlor 1260 | 1 | 86.72 | 0.0745 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3479.07 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/14/98 |
| | Bldg. 173 | **Extraction Date:** | 4/15/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/21/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 1 | 88.07 | 0.0002 | ND | NLE |
| beta-BHC | 1 | 88.07 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 88.07 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 88.07 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 88.07 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 88.07 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 88.07 | 0.0003 | ND | NLE |
| Endosulfan I | 1 | 88.07 | 0.0003 | ND | NLE |
| 4,4'-DDE | 1 | 88.07 | 0.0004 | 0.001 | 2 |
| Dieldrin | 1 | 88.07 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 88.07 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 88.07 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 88.07 | 0.0007 | 0.001 | 3 |
| Endrin Aldehyde | 1 | 88.07 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 88.07 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 88.07 | 0.0010 | ND | NLE |
| gamma -Chlordane | 1 | 88.07 | 0.0011 | ND | NLE |
| alpha-Chlordane | 1 | 88.07 | 0.0011 | ND | NLE |
| Toxaphene | 1 | 88.07 | 0.0193 | ND | 0.1 |
| Arochlor 1016 | 1 | 88.07 | 0.0681 | ND | 0.49 |
| Arochlor 1221 | 1 | 88.07 | 0.0531 | ND | 0.49 |
| Arochlor 1232 | 1 | 88.07 | 0.0531 | ND | 0.49 |
| Arochlor 1242 | 1 | 88.07 | 0.0299 | ND | 0.49 |
| Arochlor 1248 | 1 | 88.07 | 0.0531 | ND | 0.49 |
| Arochlor 1254 | 1 | 88.07 | 0.0531 | ND | 0.49 |
| Arochlor 1260 | 1 | 88.07 | 0.0722 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3479.11 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/14/98 |
| | Bldg. 173 | **Extraction Date:** | 4/15/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/21/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 1 | 91.89 | 0.0002 | ND | NLE |
| beta-BHC | 1 | 91.89 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 91.89 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 91.89 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 91.89 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 91.89 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 91.89 | 0.0002 | ND | NLE |
| Endosulfan I | 1 | 91.89 | 0.0002 | ND | NLE |
| 4,4'-DDE | 1 | 91.89 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 91.89 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 91.89 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 91.89 | 0.0003 | 0.002 | NLE |
| 4,4'-DDD | 1 | 91.89 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 91.89 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 91.89 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 91.89 | 0.0010 | ND | NLE |
| gamma -Chlordane | 1 | 91.89 | 0.0010 | ND | NLE |
| alpha-Chlordane | 1 | 91.89 | 0.0010 | ND | NLE |
| Toxaphene | 1 | 91.89 | 0.0189 | ND | 0.1 |
| Arochlor 1016 | 1 | 91.89 | 0.0667 | ND | 0.49 |
| Arochlor 1221 | 1 | 91.89 | 0.0520 | ND | 0.49 |
| Arochlor 1232 | 1 | 91.89 | 0.0520 | ND | 0.49 |
| Arochlor 1242 | 1 | 91.89 | 0.0293 | ND | 0.49 |
| Arochlor 1248 | 1 | 91.89 | 0.0520 | ND | 0.49 |
| Arochlor 1254 | 1 | 91.89 | 0.0520 | ND | 0.49 |
| Arochlor 1260 | 1 | 91.89 | 0.0707 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

001811

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3485.03 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/15/98 |
| | Bldg. 173 | **Extraction Date:** | 4/16/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 1 | 86.19 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 86.19 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 86.19 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 86.19 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 86.19 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 86.19 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 86.19 | 0.0003 | ND | NLE |
| Endosulfan I | 1 | 86.19 | 0.0003 | ND | NLE |
| 4,4'-DDE | 1 | 86.19 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 86.19 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 86.19 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 86.19 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 86.19 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 86.19 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 86.19 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 86.19 | 0.0011 | ND | NLE |
| gamma -Chlordane | 1 | 86.19 | 0.0011 | ND | NLE |
| alpha-Chlordane | 1 | 86.19 | 0.0011 | ND | NLE |
| Toxaphene | 1 | 86.19 | 0.0203 | ND | 0.1 |
| Arochlor 1016 | 1 | 86.19 | 0.0716 | ND | 0.49 |
| Arochlor 1221 | 1 | 86.19 | 0.0557 | ND | 0.49 |
| Arochlor 1232 | 1 | 86.19 | 0.0557 | ND | 0.49 |
| Arochlor 1242 | 1 | 86.19 | 0.0314 | ND | 0.49 |
| Arochlor 1248 | 1 | 86.19 | 0.0557 | ND | 0.49 |
| Arochlor 1254 | 1 | 86.19 | 0.0557 | ND | 0.49 |
| Arochlor 1260 | 1 | 86.19 | 0.0758 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3485.07 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/15/98 |
| | Bldg. 173 | **Extraction Date:** | 4/16/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 1 | 87.59 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 87.59 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 87.59 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 87.59 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 87.59 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.59 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 87.59 | 0.0003 | ND | NLE |
| Endosulfan I | 1 | 87.59 | 0.0003 | ND | NLE |
| 4,4'-DDE | 1 | 87.59 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 87.59 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 87.59 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 87.59 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 87.59 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 87.59 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 87.59 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 87.59 | 0.0011 | ND | NLE |
| gamma -Chlordane | 1 | 87.59 | 0.0011 | ND | NLE |
| alpha-Chlordane | 1 | 87.59 | 0.0011 | ND | NLE |
| Toxaphene | 1 | 87.59 | 0.0201 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.59 | 0.0710 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.59 | 0.0553 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.59 | 0.0553 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.59 | 0.0312 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.59 | 0.0553 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.59 | 0.0553 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.59 | 0.0752 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

001813

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3485.11 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/15/98 |
| | Bldg. 173 | **Extraction Date:** | 4/16/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 1 | 87.90 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 87.90 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 87.90 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 87.90 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 87.90 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.90 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 87.90 | 0.0003 | ND | NLE |
| Endosulfan I | 1 | 87.90 | 0.0003 | ND | NLE |
| 4,4'-DDE | 1 | 87.90 | 0.0004 | 0.007 | 2 |
| Dieldrin | 1 | 87.90 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 87.90 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 87.90 | 0.0003 | 0.005 | NLE |
| 4,4'-DDD | 1 | 87.90 | 0.0007 | 0.002 | 3 |
| Endrin Aldehyde | 1 | 87.90 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 87.90 | 0.0002 | 0.015 | 2 |
| Endosulfan-Sulfate | 1 | 87.90 | 0.0011 | ND | NLE |
| gamma -Chlordane | 1 | 87.90 | 0.0011 | ND | NLE |
| alpha-Chlordane | 1 | 87.90 | 0.0011 | ND | NLE |
| Toxaphene | 1 | 87.90 | 0.0202 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.90 | 0.0711 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.90 | 0.0554 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.90 | 0.0554 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.90 | 0.0312 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.90 | 0.0554 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.90 | 0.0554 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.90 | 0.0753 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3485.15 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/15/98 |
| | Bldg. 173 | **Extraction Date:** | 4/16/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 1 | 81.92 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 81.92 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 81.92 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 81.92 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 81.92 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 81.92 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 81.92 | 0.0003 | ND | NLE |
| Endosulfan I | 1 | 81.92 | 0.0003 | ND | NLE |
| 4,4'-DDE | 1 | 81.92 | 0.0004 | 0.001 | 2 |
| Dieldrin | 1 | 81.92 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 81.92 | 0.0004 | ND | 17 |
| Endosulfan II | 1 | 81.92 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 81.92 | 0.0008 | 0.002 | 3 |
| Endrin Aldehyde | 1 | 81.92 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 81.92 | 0.0002 | 0.001 | 2 |
| Endosulfan-Sulfate | 1 | 81.92 | 0.0012 | ND | NLE |
| gamma -Chlordane | 1 | 81.92 | 0.0012 | ND | NLE |
| alpha-Chlordane | 1 | 81.92 | 0.0012 | ND | NLE |
| Toxaphene | 1 | 81.92 | 0.0219 | ND | 0.1 |
| Arochlor 1016 | 1 | 81.92 | 0.0771 | ND | 0.49 |
| Arochlor 1221 | 1 | 81.92 | 0.0601 | ND | 0.49 |
| Arochlor 1232 | 1 | 81.92 | 0.0601 | ND | 0.49 |
| Arochlor 1242 | 1 | 81.92 | 0.0339 | ND | 0.49 |
| Arochlor 1248 | 1 | 81.92 | 0.0601 | ND | 0.49 |
| Arochlor 1254 | 1 | 81.92 | 0.0601 | ND | 0.49 |
| Arochlor 1260 | 1 | 81.92 | 0.0817 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3498.03 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/20/98 |
| | Bldg. 173 | **Extraction Date:** | 4/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-27 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| **alpha-BHC** | 1 | 82.77 | 0.0004 | ND | NLE |
| **beta-BHC** | 1 | 82.77 | 0.0004 | ND | NLE |
| **gamma-BHC** | 1 | 82.77 | 0.0005 | ND | 0.52 |
| **delta-BHC** | 1 | 82.77 | 0.0005 | ND | NLE |
| **Heptachlor** | 1 | 82.77 | 0.0004 | ND | 0.15 |
| **Aldrin** | 1 | 82.77 | 0.0005 | ND | 0.04 |
| **Heptachlor Epoxide** | 1 | 82.77 | 0.0007 | ND | NLE |
| **Endosulfan I** | 1 | 82.77 | 0.0006 | ND | NLE |
| **4,4'-DDE** | 5 | 82.77 | 0.0024 | 0.092 | 2 |
| **Dieldrin** | 1 | 82.77 | 0.0006 | ND | 0.042 |
| **Endrin** | 1 | 82.77 | 0.0006 | ND | 17 |
| **Endosulfan II** | 1 | 82.77 | 0.0005 | ND | NLE |
| **4,4'-DDD** | 1 | 82.77 | 0.0007 | 0.008 | 3 |
| **Endrin Aldehyde** | 1 | 82.77 | 0.0006 | ND | NLE |
| **4,4'-DDT** | 1 | 82.77 | 0.0013 | 0.030 | 2 |
| **Endosulfan-Sulfate** | 1 | 82.77 | 0.0005 | ND | NLE |
| **gamma -Chlordane** | 1 | 82.77 | 0.0006 | ND | NLE |
| **alpha-Chlordane** | 1 | 82.77 | 0.0006 | ND | NLE |
| **Toxaphene** | 1 | 82.77 | 0.0217 | ND | 0.1 |
| **Arochlor 1016** | 1 | 82.77 | 0.0134 | ND | 0.49 |
| **Arochlor 1221** | 1 | 82.77 | 0.0246 | ND | 0.49 |
| **Arochlor 1232** | 1 | 82.77 | 0.0167 | ND | 0.49 |
| **Arochlor 1242** | 1 | 82.77 | 0.0191 | ND | 0.49 |
| **Arochlor 1248** | 1 | 82.77 | 0.0076 | ND | 0.49 |
| **Arochlor 1254** | 1 | 82.77 | 0.0048 | ND | 0.49 |
| **Arochlor 1260** | 1 | 82.77 | 0.0043 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3498.07 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/20/98 |
| | Bldg. 173 | **Extraction Date:** | 4/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 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 | 0.016 | 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 | 0.001 | 3 |
| Endrin Aldehyde | 1 | 89.56 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 89.56 | 0.0012 | 0.004 | 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 | 0.0196 | ND | 0.1 |
| Arochlor 1016 | 1 | 82.77 | 0.0130 | ND | 0.49 |
| Arochlor 1221 | 1 | 82.77 | 0.0240 | ND | 0.49 |
| Arochlor 1232 | 1 | 82.77 | 0.0163 | ND | 0.49 |
| Arochlor 1242 | 1 | 82.77 | 0.0186 | ND | 0.49 |
| Arochlor 1248 | 1 | 82.77 | 0.0074 | ND | 0.49 |
| Arochlor 1254 | 1 | 82.77 | 0.0047 | ND | 0.49 |
| Arochlor 1260 | 1 | 82.77 | 0.0042 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3498.11 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/20/98 |
| | Bldg. 173 | **Extraction Date:** | 4/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 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 | 0.009 | 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 | 0.004 | 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 | 0.0011 | 0.001 | 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 | 0.0187 | ND | 0.1 |
| Arochlor 1016 | 1 | 82.77 | 0.0124 | ND | 0.49 |
| Arochlor 1221 | 1 | 82.77 | 0.0229 | ND | 0.49 |
| Arochlor 1232 | 1 | 82.77 | 0.0156 | ND | 0.49 |
| Arochlor 1242 | 1 | 82.77 | 0.0178 | ND | 0.49 |
| Arochlor 1248 | 1 | 82.77 | 0.0071 | ND | 0.49 |
| Arochlor 1254 | 1 | 82.77 | 0.0044 | ND | 0.49 |
| Arochlor 1260 | 1 | 82.77 | 0.0040 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3498.15 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/20/98 |
| | Bldg. 173 | **Extraction Date:** | 4/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 1 | 87.52 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 87.52 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 87.52 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 87.52 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 87.52 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.52 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 87.52 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 87.52 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 87.52 | 0.0004 | 0.004 | 2 |
| Dieldrin | 1 | 87.52 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 87.52 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 87.52 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 87.52 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 87.52 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 87.52 | 0.0012 | ND | 2 |
| Endosulfan-Sulfate | 1 | 87.52 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 87.52 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 87.52 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 87.52 | 0.0198 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.52 | 0.0122 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.52 | 0.0225 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.52 | 0.0153 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.52 | 0.0174 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.52 | 0.0070 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.52 | 0.0044 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.52 | 0.0039 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3500.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/21/98 |
| | Bldg. 173 | **Extraction Date:** | 4/22/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-31 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| **alpha-BHC** | 1 | 87.56 | 0.0003 | ND | NLE |
| **beta-BHC** | 1 | 87.56 | 0.0003 | ND | NLE |
| **gamma-BHC** | 1 | 87.56 | 0.0004 | ND | 0.52 |
| **delta-BHC** | 1 | 87.56 | 0.0004 | ND | NLE |
| **Heptachlor** | 1 | 87.56 | 0.0003 | ND | 0.15 |
| **Aldrin** | 1 | 87.56 | 0.0004 | ND | 0.04 |
| **Heptachlor Epoxide** | 1 | 87.56 | 0.0007 | ND | NLE |
| **Endosulfan I** | 1 | 87.56 | 0.0006 | ND | NLE |
| **4,4'-DDE** | 1 | 87.56 | 0.0004 | ND | 2 |
| **Dieldrin** | 1 | 87.56 | 0.0006 | ND | 0.042 |
| **Endrin** | 1 | 87.56 | 0.0006 | ND | 17 |
| **Endosulfan II** | 1 | 87.56 | 0.0004 | ND | NLE |
| **4,4'-DDD** | 1 | 87.56 | 0.0007 | ND | 3 |
| **Endrin Aldehyde** | 1 | 87.56 | 0.0006 | ND | NLE |
| **4,4'-DDT** | 1 | 87.56 | 0.0012 | ND | 2 |
| **Endosulfan-Sulfate** | 1 | 87.56 | 0.0004 | ND | NLE |
| **gamma -Chlordane** | 1 | 87.56 | 0.0006 | ND | NLE |
| **alpha-Chlordane** | 1 | 87.56 | 0.0006 | ND | NLE |
| **Toxaphene** | 1 | 87.56 | 0.0205 | ND | 0.1 |
| **Arochlor 1016** | 1 | 87.56 | 0.0126 | ND | 0.49 |
| **Arochlor 1221** | 1 | 87.56 | 0.0232 | ND | 0.49 |
| **Arochlor 1232** | 1 | 87.56 | 0.0157 | ND | 0.49 |
| **Arochlor 1242** | 1 | 87.56 | 0.0180 | ND | 0.49 |
| **Arochlor 1248** | 1 | 87.56 | 0.0072 | ND | 0.49 |
| **Arochlor 1254** | 1 | 87.56 | 0.0045 | ND | 0.49 |
| **Arochlor 1260** | 1 | 87.56 | 0.0040 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3500.06 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/21/98 |
| | Bldg. 173 | **Extraction Date:** | 4/22/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 1 | 86.43 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 86.43 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 86.43 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 86.43 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 86.43 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 86.43 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 86.43 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 86.43 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 86.43 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 86.43 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 86.43 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 86.43 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 86.43 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 86.43 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 86.43 | 0.0012 | ND | 2 |
| Endosulfan-Sulfate | 1 | 86.43 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 86.43 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 86.43 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 86.43 | 0.0199 | ND | 0.1 |
| Arochlor 1016 | 1 | 86.43 | 0.0123 | ND | 0.49 |
| Arochlor 1221 | 1 | 86.43 | 0.0226 | ND | 0.49 |
| Arochlor 1232 | 1 | 86.43 | 0.0153 | ND | 0.49 |
| Arochlor 1242 | 1 | 86.43 | 0.0175 | ND | 0.49 |
| Arochlor 1248 | 1 | 86.43 | 0.0070 | ND | 0.49 |
| Arochlor 1254 | 1 | 86.43 | 0.0044 | ND | 0.49 |
| Arochlor 1260 | 1 | 86.43 | 0.0039 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3500.10 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/21/98 |
| | Bldg. 173 | **Extraction Date:** | 4/22/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 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 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 87.37 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 87.37 | 0.0004 | 0.037 | 2 |
| Dieldrin | 1 | 87.37 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 87.37 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 87.37 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 87.37 | 0.0007 | 0.003 | 3 |
| Endrin Aldehyde | 1 | 87.37 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 87.37 | 0.0012 | 0.020 | 2 |
| Endosulfan-Sulfate | 1 | 87.37 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 87.37 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 87.37 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 87.37 | 0.0202 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.37 | 0.0124 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.37 | 0.0229 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.37 | 0.0155 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.37 | 0.0178 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.37 | 0.0071 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.37 | 0.0044 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.37 | 0.0040 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3500.14 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/21/98 |
| | Bldg. 173 | **Extraction Date:** | 4/22/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 1 | 83.01 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 83.01 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 83.01 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 83.01 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 83.01 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 83.01 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 83.01 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 83.01 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 83.01 | 0.0004 | 0.009 | 2 |
| Dieldrin | 1 | 83.01 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 83.01 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 83.01 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 83.01 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 83.01 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 83.01 | 0.0012 | 0.003 | 2 |
| Endosulfan-Sulfate | 1 | 83.01 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 83.01 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 83.01 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 83.01 | 0.0203 | ND | 0.1 |
| Arochlor 1016 | 1 | 83.01 | 0.0125 | ND | 0.49 |
| Arochlor 1221 | 1 | 83.01 | 0.0230 | ND | 0.49 |
| Arochlor 1232 | 1 | 83.01 | 0.0156 | ND | 0.49 |
| Arochlor 1242 | 1 | 83.01 | 0.0178 | ND | 0.49 |
| Arochlor 1248 | 1 | 83.01 | 0.0071 | ND | 0.49 |
| Arochlor 1254 | 1 | 83.01 | 0.0045 | ND | 0.49 |
| Arochlor 1260 | 1 | 83.01 | 0.0040 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3500.18 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/21/98 |
| | Bldg. 173 | **Extraction Date:** | 4/22/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 1 | 87.47 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 87.47 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 87.47 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 87.47 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 87.47 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.47 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 87.47 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 87.47 | 0.0005 | ND | NLE |
| 4,4'-DDE | 10 | 87.47 | 0.0042 | 0.153 | 2 |
| Dieldrin | 1 | 87.47 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 87.47 | 0.0005 | 0.023 | 17 |
| Endosulfan II | 1 | 87.47 | 0.0004 | 0.010 | NLE |
| 4,4'-DDD | 1 | 87.47 | 0.0006 | 0.020 | 3 |
| Endrin Aldehyde | 1 | 87.47 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 87.47 | 0.0012 | 0.051 | 2 |
| Endosulfan-Sulfate | 1 | 87.47 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 87.47 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 87.47 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 87.47 | 0.0190 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.47 | 0.0117 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.47 | 0.0215 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.47 | 0.0146 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.47 | 0.0167 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.47 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.47 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.47 | 0.0038 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3501.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/22/98 |
| | Bldg. 173 | **Extraction Date:** | 4/23/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-36 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| **alpha-BHC** | 1 | 90.51 | 0.0003 | ND | NLE |
| **beta-BHC** | 1 | 90.51 | 0.0003 | ND | NLE |
| **gamma-BHC** | 1 | 90.51 | 0.0004 | ND | 0.52 |
| **delta-BHC** | 1 | 90.51 | 0.0004 | ND | NLE |
| **Heptachlor** | 1 | 90.51 | 0.0003 | ND | 0.15 |
| **Aldrin** | 1 | 90.51 | 0.0004 | ND | 0.04 |
| **Heptachlor Epoxide** | 1 | 90.51 | 0.0006 | ND | NLE |
| **Endosulfan I** | 1 | 90.51 | 0.0005 | ND | NLE |
| **4,4'-DDE** | 1 | 90.51 | 0.0004 | 0.003 | 2 |
| **Dieldrin** | 1 | 90.51 | 0.0005 | ND | 0.042 |
| **Endrin** | 1 | 90.51 | 0.0005 | ND | 17 |
| **Endosulfan II** | 1 | 90.51 | 0.0004 | ND | NLE |
| **4,4'-DDD** | 1 | 90.51 | 0.0006 | 0.001 | 3 |
| **Endrin Aldehyde** | 1 | 90.51 | 0.0005 | ND | NLE |
| **4,4'-DDT** | 1 | 90.51 | 0.0012 | 0.006 | 2 |
| **Endosulfan-Sulfate** | 1 | 90.51 | 0.0004 | ND | NLE |
| **gamma -Chlordane** | 1 | 90.51 | 0.0005 | ND | NLE |
| **alpha-Chlordane** | 1 | 90.51 | 0.0005 | ND | NLE |
| **Toxaphene** | 1 | 90.51 | 0.0193 | ND | 0.1 |
| **Arochlor 1016** | 1 | 90.51 | 0.0119 | ND | 0.49 |
| **Arochlor 1221** | 1 | 90.51 | 0.0219 | ND | 0.49 |
| **Arochlor 1232** | 1 | 90.51 | 0.0149 | ND | 0.49 |
| **Arochlor 1242** | 1 | 90.51 | 0.0170 | ND | 0.49 |
| **Arochlor 1248** | 1 | 90.51 | 0.0068 | ND | 0.49 |
| **Arochlor 1254** | 1 | 90.51 | 0.0042 | ND | 0.49 |
| **Arochlor 1260** | 1 | 90.51 | 0.0038 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3501.06 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/22/98 |
| | Bldg. 173 | **Extraction Date:** | 4/23/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 1 | 89.14 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 89.14 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 89.14 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 89.14 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 89.14 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 89.14 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 89.14 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 89.14 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 89.14 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 89.14 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 89.14 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 89.14 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 89.14 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 89.14 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 89.14 | 0.0011 | ND | 2 |
| Endosulfan-Sulfate | 1 | 89.14 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 89.14 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 89.14 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 89.14 | 0.0189 | ND | 0.1 |
| Arochlor 1016 | 1 | 89.14 | 0.0116 | ND | 0.49 |
| Arochlor 1221 | 1 | 89.14 | 0.0214 | ND | 0.49 |
| Arochlor 1232 | 1 | 89.14 | 0.0145 | ND | 0.49 |
| Arochlor 1242 | 1 | 89.14 | 0.0166 | ND | 0.49 |
| Arochlor 1248 | 1 | 89.14 | 0.0066 | ND | 0.49 |
| Arochlor 1254 | 1 | 89.14 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 89.14 | 0.0037 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3501.10 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/22/98 |
| | Bldg. 173 | **Extraction Date:** | 4/23/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 1 | 87.15 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 87.15 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 87.15 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 87.15 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 87.15 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.15 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 87.15 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 87.15 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 87.15 | 0.0004 | 0.000 | 2 |
| Dieldrin | 1 | 87.15 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 87.15 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 87.15 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 87.15 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 87.15 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 87.15 | 0.0012 | ND | 2 |
| Endosulfan-Sulfate | 1 | 87.15 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 87.15 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 87.15 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 87.15 | 0.0194 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.15 | 0.0120 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.15 | 0.0220 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.15 | 0.0150 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.15 | 0.0171 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.15 | 0.0068 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.15 | 0.0043 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.15 | 0.0038 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3501.14 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/22/98 |
| | Bldg. 173 | **Extraction Date:** | 4/23/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/22/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 1 | 85.75 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 85.75 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 85.75 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 85.75 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 85.75 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 85.75 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 85.75 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 85.75 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 85.75 | 0.0005 | ND | 2 |
| Dieldrin | 1 | 85.75 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 85.75 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 85.75 | 0.0005 | ND | NLE |
| 4,4'-DDD | 1 | 85.75 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 85.75 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 85.75 | 0.0012 | ND | 2 |
| Endosulfan-Sulfate | 1 | 85.75 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 85.75 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 85.75 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 85.75 | 0.0205 | ND | 0.1 |
| Arochlor 1016 | 1 | 85.75 | 0.0126 | ND | 0.49 |
| Arochlor 1221 | 1 | 85.75 | 0.0233 | ND | 0.49 |
| Arochlor 1232 | 1 | 85.75 | 0.0158 | ND | 0.49 |
| Arochlor 1242 | 1 | 85.75 | 0.0181 | ND | 0.49 |
| Arochlor 1248 | 1 | 85.75 | 0.0072 | ND | 0.49 |
| Arochlor 1254 | 1 | 85.75 | 0.0045 | ND | 0.49 |
| Arochlor 1260 | 1 | 85.75 | 0.0041 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3501.18 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 4/22/98 |
| | Bldg. 173 | **Extraction Date:** | 4/23/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/23/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 1 | 87.71 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 87.71 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 87.71 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 87.71 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 87.71 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.71 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 87.71 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 87.71 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 87.71 | 0.0004 | 0.001 | 2 |
| Dieldrin | 1 | 87.71 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 87.71 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 87.71 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 87.71 | 0.0007 | 0.001 | 3 |
| Endrin Aldehyde | 1 | 87.71 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 87.71 | 0.0012 | 0.003 | 2 |
| Endosulfan-Sulfate | 1 | 87.71 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 87.71 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 87.71 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 87.71 | 0.0203 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.71 | 0.0125 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.71 | 0.0229 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.71 | 0.0156 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.71 | 0.0178 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.71 | 0.0071 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.71 | 0.0045 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.71 | 0.0040 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3539.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/1/98 |
| | Bldg. 173 | **Extraction Date:** | 5/4/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/29/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-41 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| **alpha-BHC** | 1 | 86.09 | 0.0003 | ND | NLE |
| **beta-BHC** | 1 | 86.09 | 0.0003 | ND | NLE |
| **gamma-BHC** | 1 | 86.09 | 0.0004 | ND | 0.52 |
| **delta-BHC** | 1 | 86.09 | 0.0004 | ND | NLE |
| **Heptachlor** | 1 | 86.09 | 0.0003 | ND | 0.15 |
| **Aldrin** | 1 | 86.09 | 0.0004 | ND | 0.04 |
| **Heptachlor Epoxide** | 1 | 86.09 | 0.0006 | ND | NLE |
| **Endosulfan I** | 1 | 86.09 | 0.0005 | ND | NLE |
| **4,4'-DDE** | 1 | 86.09 | 0.0004 | 0.028 | 2 |
| **Dieldrin** | 1 | 86.09 | 0.0005 | ND | 0.042 |
| **Endrin** | 1 | 86.09 | 0.0005 | ND | 17 |
| **Endosulfan II** | 1 | 86.09 | 0.0004 | ND | NLE |
| **4,4'-DDD** | 1 | 86.09 | 0.0006 | 0.003 | 3 |
| **Endrin Aldehyde** | 1 | 86.09 | 0.0005 | ND | NLE |
| **4,4'-DDT** | 5 | 86.09 | 0.0059 | 0.044 | 2 |
| **Endosulfan-Sulfate** | 1 | 86.09 | 0.0004 | ND | NLE |
| **gamma -Chlordane** | 1 | 86.09 | 0.0005 | ND | NLE |
| **alpha-Chlordane** | 1 | 86.09 | 0.0005 | ND | NLE |
| **Toxaphene** | 1 | 86.09 | 0.0196 | ND | 0.1 |
| **Arochlor 1016** | 1 | 86.09 | 0.0121 | ND | 0.49 |
| **Arochlor 1221** | 1 | 86.09 | 0.0222 | ND | 0.49 |
| **Arochlor 1232** | 1 | 86.09 | 0.0151 | ND | 0.49 |
| **Arochlor 1242** | 1 | 86.09 | 0.0172 | ND | 0.49 |
| **Arochlor 1248** | 1 | 86.09 | 0.0069 | ND | 0.49 |
| **Arochlor 1254** | 1 | 86.09 | 0.0043 | ND | 0.49 |
| **Arochlor 1260** | 1 | 86.09 | 0.0039 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25ur
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 # :** | 3539.06 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/1/98 |
| | Bldg. 173 | **Extraction Date:** | 5/4/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/29/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-42 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 87.65 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 87.65 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 87.65 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 87.65 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 87.65 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.65 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 87.65 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 87.65 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 87.65 | 0.0004 | 0.007 | 2 |
| Dieldrin | 1 | 87.65 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 87.65 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 87.65 | 0.0004 | 0.004 | NLE |
| 4,4'-DDD | 1 | 87.65 | 0.0007 | 0.003 | 3 |
| Endrin Aldehyde | 1 | 87.65 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 87.65 | 0.0012 | 0.033 | 2 |
| Endosulfan-Sulfate | 1 | 87.65 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 87.65 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 87.65 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 87.65 | 0.0204 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.65 | 0.0126 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.65 | 0.0231 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.65 | 0.0157 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.65 | 0.0179 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.65 | 0.0072 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.65 | 0.0045 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.65 | 0.0040 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25ur
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 # :** | 3543.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/4/98 |
| | Bldg. 173 | **Extraction Date:** | 5/6/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/29/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-43 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 78.48 | 0.0004 | ND | NLE |
| beta-BHC | 1 | 78.48 | 0.0004 | ND | NLE |
| gamma-BHC | 1 | 78.48 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 78.48 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 78.48 | 0.0004 | ND | 0.15 |
| Aldrin | 1 | 78.48 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 78.48 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 78.48 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 78.48 | 0.0005 | ND | 2 |
| Dieldrin | 1 | 78.48 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 78.48 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 78.48 | 0.0005 | ND | NLE |
| 4,4'-DDD | 1 | 78.48 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 78.48 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 78.48 | 0.0013 | ND | 2 |
| Endosulfan-Sulfate | 1 | 78.48 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 78.48 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 78.48 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 78.48 | 0.0217 | ND | 0.1 |
| Arochlor 1016 | 1 | 78.48 | 0.0133 | ND | 0.49 |
| Arochlor 1221 | 1 | 78.48 | 0.0245 | ND | 0.49 |
| Arochlor 1232 | 1 | 78.48 | 0.0167 | ND | 0.49 |
| Arochlor 1242 | 1 | 78.48 | 0.0190 | ND | 0.49 |
| Arochlor 1248 | 1 | 78.48 | 0.0076 | ND | 0.49 |
| Arochlor 1254 | 1 | 78.48 | 0.0048 | ND | 0.49 |
| Arochlor 1260 | 1 | 78.48 | 0.0043 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3543.06 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/4/98 |
| | Bldg. 173 | **Extraction Date:** | 5/6/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/30/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 1 | 80.54 | 0.0004 | ND | NLE |
| beta-BHC | 1 | 80.54 | 0.0004 | ND | NLE |
| gamma-BHC | 1 | 80.54 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 80.54 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 80.54 | 0.0004 | ND | 0.15 |
| Aldrin | 1 | 80.54 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 80.54 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 80.54 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 80.54 | 0.0005 | ND | 2 |
| Dieldrin | 1 | 80.54 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 80.54 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 80.54 | 0.0005 | ND | NLE |
| 4,4'-DDD | 1 | 80.54 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 80.54 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 80.54 | 0.0013 | ND | 2 |
| Endosulfan-Sulfate | 1 | 80.54 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 80.54 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 80.54 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 80.54 | 0.0219 | ND | 0.1 |
| Arochlor 1016 | 1 | 80.54 | 0.0135 | ND | 0.49 |
| Arochlor 1221 | 1 | 80.54 | 0.0248 | ND | 0.49 |
| Arochlor 1232 | 1 | 80.54 | 0.0169 | ND | 0.49 |
| Arochlor 1242 | 1 | 80.54 | 0.0193 | ND | 0.49 |
| Arochlor 1248 | 1 | 80.54 | 0.0077 | ND | 0.49 |
| Arochlor 1254 | 1 | 80.54 | 0.0048 | ND | 0.49 |
| Arochlor 1260 | 1 | 80.54 | 0.0043 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3543.10 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/4/98 |
| | Bldg. 173 | **Extraction Date:** | 5/6/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/30/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 1 | 87.96 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 87.96 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 87.96 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 87.96 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 87.96 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.96 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 87.96 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 87.96 | 0.0006 | ND | NLE |
| 4,4'-DDE | 10 | 87.96 | 0.0045 | 0.084 | 2 |
| Dieldrin | 1 | 87.96 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 87.96 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 87.96 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 87.96 | 0.0007 | 0.007 | 3 |
| Endrin Aldehyde | 1 | 87.96 | 0.0006 | ND | NLE |
| 4,4'-DDT | 10 | 87.96 | 0.0123 | 0.105 | 2 |
| Endosulfan-Sulfate | 1 | 87.96 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 87.96 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 87.96 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 87.96 | 0.0204 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.96 | 0.0126 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.96 | 0.0231 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.96 | 0.0157 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.96 | 0.0179 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.96 | 0.0072 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.96 | 0.0045 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.96 | 0.0040 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3543.14 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/4/98 |
| | Bldg. 173 | **Extraction Date:** | 5/6/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/30/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **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 | 1 | 87.48 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 87.48 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 87.48 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 87.48 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 87.48 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.48 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 87.48 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 87.48 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 87.48 | 0.0005 | 0.052 | 2 |
| Dieldrin | 1 | 87.48 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 87.48 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 87.48 | 0.0005 | ND | NLE |
| 4,4'-DDD | 1 | 87.48 | 0.0007 | 0.008 | 3 |
| Endrin Aldehyde | 1 | 87.48 | 0.0006 | ND | NLE |
| 4,4'-DDT | 5 | 87.48 | 0.0062 | 0.075 | 2 |
| Endosulfan-Sulfate | 1 | 87.48 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 87.48 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 87.48 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 87.48 | 0.0205 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.48 | 0.0126 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.48 | 0.0232 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.48 | 0.0158 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.48 | 0.0180 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.48 | 0.0072 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.48 | 0.0045 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.48 | 0.0041 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3547.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/5/98 |
| | Bldg. 173 | **Extraction Date:** | 5/6/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/30/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 1 | 92.95 | 0.0002 | ND | NLE |
| beta-BHC | 1 | 92.95 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 92.95 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 92.95 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 92.95 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 92.95 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 92.95 | 0.0002 | ND | NLE |
| Endosulfan I | 1 | 92.95 | 0.0002 | ND | NLE |
| 4,4'-DDE | 1 | 92.95 | 0.0003 | 0.004 | 2 |
| Dieldrin | 1 | 92.95 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 92.95 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 92.95 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 92.95 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 92.95 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 92.95 | 0.0002 | 0.004 | 2 |
| Endosulfan-Sulfate | 1 | 92.95 | 0.0010 | ND | NLE |
| gamma -Chlordane | 1 | 92.95 | 0.0010 | ND | NLE |
| alpha-Chlordane | 1 | 92.95 | 0.0010 | ND | NLE |
| Toxaphene | 1 | 92.95 | 0.0183 | ND | 0.1 |
| Arochlor 1016 | 1 | 92.95 | 0.0644 | ND | 0.49 |
| Arochlor 1221 | 1 | 92.95 | 0.0502 | ND | 0.49 |
| Arochlor 1232 | 1 | 92.95 | 0.0502 | ND | 0.49 |
| Arochlor 1242 | 1 | 92.95 | 0.0283 | ND | 0.49 |
| Arochlor 1248 | 1 | 92.95 | 0.0502 | ND | 0.49 |
| Arochlor 1254 | 1 | 92.95 | 0.0502 | ND | 0.49 |
| Arochlor 1260 | 1 | 92.95 | 0.0682 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3547.06 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/5/98 |
| | Bldg. 173 | **Extraction Date:** | 5/6/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/30/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 1 | 92.87 | 0.0002 | ND | NLE |
| beta-BHC | 1 | 92.87 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 92.87 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 92.87 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 92.87 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 92.87 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 92.87 | 0.0002 | ND | NLE |
| Endosulfan I | 1 | 92.87 | 0.0002 | ND | NLE |
| 4,4'-DDE | 1 | 92.87 | 0.0003 | ND | 2 |
| Dieldrin | 1 | 92.87 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 92.87 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 92.87 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 92.87 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 92.87 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 92.87 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 92.87 | 0.0010 | ND | NLE |
| gamma -Chlordane | 1 | 92.87 | 0.0010 | ND | NLE |
| alpha-Chlordane | 1 | 92.87 | 0.0010 | ND | NLE |
| Toxaphene | 1 | 92.87 | 0.0182 | ND | 0.1 |
| Arochlor 1016 | 1 | 92.87 | 0.0642 | ND | 0.49 |
| Arochlor 1221 | 1 | 92.87 | 0.0500 | ND | 0.49 |
| Arochlor 1232 | 1 | 92.87 | 0.0500 | ND | 0.49 |
| Arochlor 1242 | 1 | 92.87 | 0.0282 | ND | 0.49 |
| Arochlor 1248 | 1 | 92.87 | 0.0500 | ND | 0.49 |
| Arochlor 1254 | 1 | 92.87 | 0.0500 | ND | 0.49 |
| Arochlor 1260 | 1 | 92.87 | 0.0680 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3547.10 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/5/98 |
| | Bldg. 173 | **Extraction Date:** | 5/6/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/30/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 1 | 89.03 | 0.0002 | ND | NLE |
| beta-BHC | 1 | 89.03 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 89.03 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 89.03 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 89.03 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 89.03 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 89.03 | 0.0003 | ND | NLE |
| Endosulfan I | 1 | 89.03 | 0.0003 | ND | NLE |
| 4,4'-DDE | 1 | 89.03 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 89.03 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 89.03 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 89.03 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 89.03 | 0.0007 | 0.001 | 3 |
| Endrin Aldehyde | 1 | 89.03 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 89.03 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 89.03 | 0.0010 | ND | NLE |
| gamma -Chlordane | 1 | 89.03 | 0.0010 | ND | NLE |
| alpha-Chlordane | 1 | 89.03 | 0.0010 | ND | NLE |
| Toxaphene | 1 | 89.03 | 0.0191 | ND | 0.1 |
| Arochlor 1016 | 1 | 89.03 | 0.0673 | ND | 0.49 |
| Arochlor 1221 | 1 | 89.03 | 0.0524 | ND | 0.49 |
| Arochlor 1232 | 1 | 89.03 | 0.0524 | ND | 0.49 |
| Arochlor 1242 | 1 | 89.03 | 0.0296 | ND | 0.49 |
| Arochlor 1248 | 1 | 89.03 | 0.0524 | ND | 0.49 |
| Arochlor 1254 | 1 | 89.03 | 0.0524 | ND | 0.49 |
| Arochlor 1260 | 1 | 89.03 | 0.0713 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3547.14 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/5/98 |
| | Bldg. 173 | **Extraction Date:** | 5/6/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 5/30/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 1 | 91.57 | 0.0002 | ND | NLE |
| beta-BHC | 1 | 91.57 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 91.57 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 91.57 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 91.57 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 91.57 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 91.57 | 0.0002 | ND | NLE |
| Endosulfan I | 1 | 91.57 | 0.0002 | ND | NLE |
| 4,4'-DDE | 1 | 91.57 | 0.0003 | 0.004 | 2 |
| Dieldrin | 1 | 91.57 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 91.57 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 91.57 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 91.57 | 0.0007 | 0.001 | 3 |
| Endrin Aldehyde | 1 | 91.57 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 91.57 | 0.0002 | 0.010 | 2 |
| Endosulfan-Sulfate | 1 | 91.57 | 0.0010 | ND | NLE |
| gamma -Chlordane | 1 | 91.57 | 0.0010 | ND | NLE |
| alpha-Chlordane | 1 | 91.57 | 0.0010 | ND | NLE |
| Toxaphene | 1 | 91.57 | 0.0182 | ND | 0.1 |
| Arochlor 1016 | 1 | 91.57 | 0.0643 | ND | 0.49 |
| Arochlor 1221 | 1 | 91.57 | 0.0501 | ND | 0.49 |
| Arochlor 1232 | 1 | 91.57 | 0.0501 | ND | 0.49 |
| Arochlor 1242 | 1 | 91.57 | 0.0283 | ND | 0.49 |
| Arochlor 1248 | 1 | 91.57 | 0.0501 | ND | 0.49 |
| Arochlor 1254 | 1 | 91.57 | 0.0501 | ND | 0.49 |
| Arochlor 1260 | 1 | 91.57 | 0.0681 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3547.18 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/5/98 |
| | Bldg. 173 | **Extraction Date:** | 5/6/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/3/98 |
| **Analysis:** | SW-846 Method 8080A | **Location :** | M-5 |
| **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 | 1 | 90.05 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 90.05 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 90.05 | 0.0003 | ND | 0.52 |
| delta-BHC | 1 | 90.05 | 0.0003 | ND | NLE |
| Heptachlor | 1 | 90.05 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 90.05 | 0.0003 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 90.05 | 0.0003 | ND | NLE |
| Endosulfan I | 1 | 90.05 | 0.0003 | ND | NLE |
| 4,4'-DDE | 1 | 90.05 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 90.05 | 0.0002 | ND | 0.042 |
| Endrin | 1 | 90.05 | 0.0003 | ND | 17 |
| Endosulfan II | 1 | 90.05 | 0.0003 | ND | NLE |
| 4,4'-DDD | 1 | 90.05 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 90.05 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 90.05 | 0.0002 | ND | 2 |
| Endosulfan-Sulfate | 1 | 90.05 | 0.0011 | ND | NLE |
| gamma -Chlordane | 1 | 90.05 | 0.0011 | ND | NLE |
| alpha-Chlordane | 1 | 90.05 | 0.0011 | ND | NLE |
| Toxaphene | 1 | 90.05 | 0.0199 | ND | 0.1 |
| Arochlor 1016 | 1 | 90.05 | 0.0702 | ND | 0.49 |
| Arochlor 1221 | 1 | 90.05 | 0.0547 | ND | 0.49 |
| Arochlor 1232 | 1 | 90.05 | 0.0547 | ND | 0.49 |
| Arochlor 1242 | 1 | 90.05 | 0.0309 | ND | 0.49 |
| Arochlor 1248 | 1 | 90.05 | 0.0547 | ND | 0.49 |
| Arochlor 1254 | 1 | 90.05 | 0.0547 | ND | 0.49 |
| Arochlor 1260 | 1 | 90.05 | 0.0744 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3550.03 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/6/98 |
| | Bldg. 173 | **Extraction Date:** | 5/7/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/2/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-52 |

| | 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 | 0.0006 | ND | NLE |
| **4,4'-DDE** | 1 | 87.59 | 0.0004 | ND | 2 |
| **Dieldrin** | 1 | 87.59 | 0.0006 | ND | 0.042 |
| **Endrin** | 1 | 87.59 | 0.0006 | ND | 17 |
| **Endosulfan II** | 1 | 87.59 | 0.0004 | 0.013 | NLE |
| **4,4'-DDD** | 1 | 87.59 | 0.0007 | ND | 3 |
| **Endrin Aldehyde** | 1 | 87.59 | 0.0006 | ND | NLE |
| **4,4'-DDT** | 1 | 87.59 | 0.0012 | ND | 2 |
| **Endosulfan-Sulfate** | 1 | 87.59 | 0.0004 | ND | NLE |
| **gamma -Chlordane** | 1 | 87.59 | 0.0006 | ND | NLE |
| **alpha-Chlordane** | 1 | 87.59 | 0.0006 | ND | NLE |
| **Toxaphene** | 1 | 87.59 | 0.0201 | ND | 0.1 |
| **Arochlor 1016** | 1 | 87.59 | 0.0124 | ND | 0.49 |
| **Arochlor 1221** | 1 | 87.59 | 0.0227 | ND | 0.49 |
| **Arochlor 1232** | 1 | 87.59 | 0.0154 | ND | 0.49 |
| **Arochlor 1242** | 1 | 87.59 | 0.0176 | ND | 0.49 |
| **Arochlor 1248** | 1 | 87.59 | 0.0071 | ND | 0.49 |
| **Arochlor 1254** | 1 | 87.59 | 0.0044 | ND | 0.49 |
| **Arochlor 1260** | 1 | 87.59 | 0.0040 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3550.07 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/6/98 |
| | Bldg. 173 | **Extraction Date:** | 5/7/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/2/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-53 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 91.06 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 91.06 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 91.06 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 91.06 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 91.06 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 91.06 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 91.06 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 91.06 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 91.06 | 0.0004 | 0.027 | 2 |
| Dieldrin | 1 | 91.06 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 91.06 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 91.06 | 0.0004 | 0.019 | NLE |
| 4,4'-DDD | 1 | 91.06 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 91.06 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 91.06 | 0.0012 | ND | 2 |
| Endosulfan-Sulfate | 1 | 91.06 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 91.06 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 91.06 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 91.06 | 0.0193 | ND | 0.1 |
| Arochlor 1016 | 1 | 91.06 | 0.0119 | ND | 0.49 |
| Arochlor 1221 | 1 | 91.06 | 0.0218 | ND | 0.49 |
| Arochlor 1232 | 1 | 91.06 | 0.0148 | ND | 0.49 |
| Arochlor 1242 | 1 | 91.06 | 0.0170 | ND | 0.49 |
| Arochlor 1248 | 1 | 91.06 | 0.0068 | ND | 0.49 |
| Arochlor 1254 | 1 | 91.06 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 91.06 | 0.0038 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3550.11 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/6/98 |
| | Bldg. 173 | **Extraction Date:** | 5/7/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/2/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-54 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 90.40 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 90.40 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 90.40 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 90.40 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 90.40 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 90.40 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 90.40 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 90.40 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 90.40 | 0.0004 | 0.009 | 2 |
| Dieldrin | 1 | 90.40 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 90.40 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 90.40 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 90.40 | 0.0006 | 0.019 | 3 |
| Endrin Aldehyde | 1 | 90.40 | 0.0005 | ND | NLE |
| 4,4'-DDT | 10 | 90.40 | 0.0113 | 0.092 | 2 |
| Endosulfan-Sulfate | 1 | 90.40 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 90.40 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 90.40 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 90.40 | 0.0187 | ND | 0.1 |
| Arochlor 1016 | 1 | 90.40 | 0.0115 | ND | 0.49 |
| Arochlor 1221 | 1 | 90.40 | 0.0212 | ND | 0.49 |
| Arochlor 1232 | 1 | 90.40 | 0.0144 | ND | 0.49 |
| Arochlor 1242 | 1 | 90.40 | 0.0165 | ND | 0.49 |
| Arochlor 1248 | 1 | 90.40 | 0.0066 | ND | 0.49 |
| Arochlor 1254 | 1 | 90.40 | 0.0041 | ND | 0.49 |
| Arochlor 1260 | 1 | 90.40 | 0.0037 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3550.15 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/6/98 |
| | Bldg. 173 | **Extraction Date:** | 5/7/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/2/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-55 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 84.94 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 84.94 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 84.94 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 84.94 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 84.94 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 84.94 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 84.94 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 84.94 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 84.94 | 0.0004 | 0.006 | 2 |
| Dieldrin | 1 | 84.94 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 84.94 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 84.94 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 84.94 | 0.0006 | 0.002 | 3 |
| Endrin Aldehyde | 1 | 84.94 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 84.94 | 0.0012 | 0.012 | 2 |
| Endosulfan-Sulfate | 1 | 84.94 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 84.94 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 84.94 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 84.94 | 0.0196 | ND | 0.1 |
| Arochlor 1016 | 1 | 84.94 | 0.0121 | ND | 0.49 |
| Arochlor 1221 | 1 | 84.94 | 0.0222 | ND | 0.49 |
| Arochlor 1232 | 1 | 84.94 | 0.0151 | ND | 0.49 |
| Arochlor 1242 | 1 | 84.94 | 0.0173 | ND | 0.49 |
| Arochlor 1248 | 1 | 84.94 | 0.0069 | ND | 0.49 |
| Arochlor 1254 | 1 | 84.94 | 0.0043 | ND | 0.49 |
| Arochlor 1260 | 1 | 84.94 | 0.0039 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3561.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/11/98 |
| | Bldg. 173 | **Extraction Date:** | 5/12/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-56 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| **alpha-BHC** | 1 | 82.92 | 0.0004 | ND | NLE |
| **beta-BHC** | 1 | 82.92 | 0.0004 | ND | NLE |
| **gamma-BHC** | 1 | 82.92 | 0.0005 | ND | 0.52 |
| **delta-BHC** | 1 | 82.92 | 0.0005 | ND | NLE |
| **Heptachlor** | 1 | 82.92 | 0.0004 | ND | 0.15 |
| **Aldrin** | 1 | 82.92 | 0.0005 | ND | 0.04 |
| **Heptachlor Epoxide** | 1 | 82.92 | 0.0007 | ND | NLE |
| **Endosulfan I** | 1 | 82.92 | 0.0006 | ND | NLE |
| **4,4'-DDE** | 5 | 82.92 | 0.0024 | 0.227 | 2 |
| **Dieldrin** | 1 | 82.92 | 0.0006 | ND | 0.042 |
| **Endrin** | 1 | 82.92 | 0.0006 | ND | 17 |
| **Endosulfan II** | 1 | 82.92 | 0.0005 | ND | NLE |
| **4,4'-DDD** | 1 | 82.92 | 0.0007 | ND | 3 |
| **Endrin Aldehyde** | 1 | 82.92 | 0.0006 | ND | NLE |
| **4,4'-DDT** | 5 | 82.92 | 0.0066 | 0.170 | 2 |
| **Endosulfan-Sulfate** | 1 | 82.92 | 0.0005 | ND | NLE |
| **gamma -Chlordane** | 1 | 82.92 | 0.0006 | ND | NLE |
| **alpha-Chlordane** | 1 | 82.92 | 0.0006 | ND | NLE |
| **Toxaphene** | 1 | 82.92 | 0.0218 | ND | 0.1 |
| **Arochlor 1016** | 1 | 82.92 | 0.0134 | ND | 0.49 |
| **Arochlor 1221** | 1 | 82.92 | 0.0247 | ND | 0.49 |
| **Arochlor 1232** | 1 | 82.92 | 0.0168 | ND | 0.49 |
| **Arochlor 1242** | 1 | 82.92 | 0.0192 | ND | 0.49 |
| **Arochlor 1248** | 1 | 82.92 | 0.0077 | ND | 0.49 |
| **Arochlor 1254** | 1 | 82.92 | 0.0048 | ND | 0.49 |
| **Arochlor 1260** | 1 | 82.92 | 0.0043 | 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 # :** | 3561.06 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/11/98 |
| | Bldg. 173 | **Extraction Date:** | 5/12/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-57 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 84.71 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 84.71 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 84.71 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 84.71 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 84.71 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 84.71 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 84.71 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 84.71 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 84.71 | 0.0004 | 0.039 | 2 |
| Dieldrin | 1 | 84.71 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 84.71 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 84.71 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 84.71 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 84.71 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 84.71 | 0.0012 | 0.060 | 2 |
| Endosulfan-Sulfate | 1 | 84.71 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 84.71 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 84.71 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 84.71 | 0.0196 | ND | 0.1 |
| Arochlor 1016 | 1 | 84.71 | 0.0121 | ND | 0.49 |
| Arochlor 1221 | 1 | 84.71 | 0.0222 | ND | 0.49 |
| Arochlor 1232 | 1 | 84.71 | 0.0151 | ND | 0.49 |
| Arochlor 1242 | 1 | 84.71 | 0.0172 | ND | 0.49 |
| Arochlor 1248 | 1 | 84.71 | 0.0069 | ND | 0.49 |
| Arochlor 1254 | 1 | 84.71 | 0.0043 | ND | 0.49 |
| Arochlor 1260 | 1 | 84.71 | 0.0039 | 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 # :** | 3561.10 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/11/98 |
| | Bldg. 173 | **Extraction Date:** | 5/12/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-58 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 92.60 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 92.60 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 92.60 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 92.60 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 92.60 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 92.60 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 92.60 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 92.60 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 92.60 | 0.0004 | 0.004 | 2 |
| Dieldrin | 1 | 92.60 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 92.60 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 92.60 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 92.60 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 92.60 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 92.60 | 0.0011 | 0.007 | 2 |
| Endosulfan-Sulfate | 1 | 92.60 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 92.60 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 92.60 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 92.60 | 0.0186 | ND | 0.1 |
| Arochlor 1016 | 1 | 92.60 | 0.0114 | ND | 0.49 |
| Arochlor 1221 | 1 | 92.60 | 0.0210 | ND | 0.49 |
| Arochlor 1232 | 1 | 92.60 | 0.0143 | ND | 0.49 |
| Arochlor 1242 | 1 | 92.60 | 0.0163 | ND | 0.49 |
| Arochlor 1248 | 1 | 92.60 | 0.0065 | ND | 0.49 |
| Arochlor 1254 | 1 | 92.60 | 0.0041 | ND | 0.49 |
| Arochlor 1260 | 1 | 92.60 | 0.0037 | 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 # :** | 3561.14 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/11/98 |
| | Bldg. 173 | **Extraction Date:** | 5/12/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-59 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 88.00 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 88.00 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 88.00 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 88.00 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 88.00 | 0.0003 | 0.014 | 0.15 |
| Aldrin | 1 | 88.00 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 10 | 88.00 | 0.0064 | 0.261 | NLE |
| Endosulfan I | 1 | 88.00 | 0.0005 | ND | NLE |
| 4,4'-DDE | 200 | 88.00 | 0.0857 | 2.058 | 2 |
| Dieldrin | 1 | 88.00 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 88.00 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 88.00 | 0.0004 | ND | NLE |
| 4,4'-DDD | 200 | 88.00 | 0.1285 | 2.680 | 3 |
| Endrin Aldehyde | 1 | 88.00 | 0.0005 | ND | NLE |
| 4,4'-DDT | 200 | 88.00 | 0.2356 | 11.182 | 2 |
| Endosulfan-Sulfate | 1 | 88.00 | 0.0004 | ND | NLE |
| gamma -Chlordane | 10 | 88.00 | 0.0054 | 0.577 | NLE |
| alpha-Chlordane | 10 | 88.00 | 0.0054 | 0.409 | NLE |
| Toxaphene | 1 | 88.00 | 0.0195 | ND | 0.1 |
| Arochlor 1016 | 1 | 88.00 | 0.0120 | ND | 0.49 |
| Arochlor 1221 | 1 | 88.00 | 0.0221 | ND | 0.49 |
| Arochlor 1232 | 1 | 88.00 | 0.0150 | ND | 0.49 |
| Arochlor 1242 | 1 | 88.00 | 0.0171 | ND | 0.49 |
| Arochlor 1248 | 1 | 88.00 | 0.0069 | ND | 0.49 |
| Arochlor 1254 | 1 | 88.00 | 0.0043 | ND | 0.49 |
| Arochlor 1260 | 1 | 88.00 | 0.0039 | 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 # :** | 3567.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/14/98 |
| | Bldg. 173 | **Extraction Date:** | 5/15/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-60 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| **alpha-BHC** | 1 | 86.45 | 0.0003 | ND | NLE |
| **beta-BHC** | 1 | 86.45 | 0.0003 | ND | NLE |
| **gamma-BHC** | 1 | 86.45 | 0.0004 | ND | 0.52 |
| **delta-BHC** | 1 | 86.45 | 0.0004 | ND | NLE |
| **Heptachlor** | 1 | 86.45 | 0.0003 | ND | 0.15 |
| **Aldrin** | 1 | 86.45 | 0.0004 | ND | 0.04 |
| **Heptachlor Epoxide** | 1 | 86.45 | 0.0007 | ND | NLE |
| **Endosulfan I** | 1 | 86.45 | 0.0006 | ND | NLE |
| **4,4'-DDE** | 1 | 86.45 | 0.0004 | 0.003 | 2 |
| **Dieldrin** | 1 | 86.45 | 0.0006 | ND | 0.042 |
| **Endrin** | 1 | 86.45 | 0.0006 | ND | 17 |
| **Endosulfan II** | 1 | 86.45 | 0.0004 | ND | NLE |
| **4,4'-DDD** | 1 | 86.45 | 0.0007 | ND | 3 |
| **Endrin Aldehyde** | 1 | 86.45 | 0.0006 | ND | NLE |
| **4,4'-DDT** | 1 | 86.45 | 0.0012 | 0.002 | 2 |
| **Endosulfan-Sulfate** | 1 | 86.45 | 0.0004 | ND | NLE |
| **gamma -Chlordane** | 1 | 86.45 | 0.0006 | ND | NLE |
| **alpha-Chlordane** | 1 | 86.45 | 0.0006 | ND | NLE |
| **Toxaphene** | 1 | 86.45 | 0.0203 | ND | 0.1 |
| **Arochlor 1016** | 1 | 86.45 | 0.0125 | ND | 0.49 |
| **Arochlor 1221** | 1 | 86.45 | 0.0230 | ND | 0.49 |
| **Arochlor 1232** | 1 | 86.45 | 0.0156 | ND | 0.49 |
| **Arochlor 1242** | 1 | 86.45 | 0.0178 | ND | 0.49 |
| **Arochlor 1248** | 1 | 86.45 | 0.0071 | ND | 0.49 |
| **Arochlor 1254** | 1 | 86.45 | 0.0045 | ND | 0.49 |
| **Arochlor 1260** | 1 | 86.45 | 0.0040 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3567.06 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/14/98 |
| | Bldg. 173 | **Extraction Date:** | 5/15/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-61 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 87.35 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 87.35 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 87.35 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 87.35 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 87.35 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.35 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 87.35 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 87.35 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 87.35 | 0.0004 | 0.005 | 2 |
| Dieldrin | 1 | 87.35 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 87.35 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 87.35 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 87.35 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 87.35 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 87.35 | 0.0012 | 0.007 | 2 |
| Endosulfan-Sulfate | 1 | 87.35 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 87.35 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 87.35 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 87.35 | 0.0203 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.35 | 0.0125 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.35 | 0.0229 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.35 | 0.0156 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.35 | 0.0178 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.35 | 0.0071 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.35 | 0.0045 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.35 | 0.0040 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3567.10 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/14/98 |
| | Bldg. 173 | **Extraction Date:** | 5/15/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-62 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 88.96 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 88.96 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 88.96 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 88.96 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 88.96 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 88.96 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 88.96 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 88.96 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 88.96 | 0.0004 | 0.001 | 2 |
| Dieldrin | 1 | 88.96 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 88.96 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 88.96 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 88.96 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 88.96 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 88.96 | 0.0012 | ND | 2 |
| Endosulfan-Sulfate | 1 | 88.96 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 88.96 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 88.96 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 88.96 | 0.0203 | ND | 0.1 |
| Arochlor 1016 | 1 | 88.96 | 0.0125 | ND | 0.49 |
| Arochlor 1221 | 1 | 88.96 | 0.0229 | ND | 0.49 |
| Arochlor 1232 | 1 | 88.96 | 0.0156 | ND | 0.49 |
| Arochlor 1242 | 1 | 88.96 | 0.0178 | ND | 0.49 |
| Arochlor 1248 | 1 | 88.96 | 0.0071 | ND | 0.49 |
| Arochlor 1254 | 1 | 88.96 | 0.0045 | ND | 0.49 |
| Arochlor 1260 | 1 | 88.96 | 0.0040 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3567.14 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/14/98 |
| | Bldg. 173 | **Extraction Date:** | 5/15/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-63 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 89.88 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 89.88 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 89.88 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 89.88 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 89.88 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 89.88 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 89.88 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 89.88 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 89.88 | 0.0004 | 0.007 | 2 |
| Dieldrin | 1 | 89.88 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 89.88 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 89.88 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 89.88 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 89.88 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 89.88 | 0.0012 | 0.010 | 2 |
| Endosulfan-Sulfate | 1 | 89.88 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 89.88 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 89.88 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 89.88 | 0.0200 | ND | 0.1 |
| Arochlor 1016 | 1 | 89.88 | 0.0123 | ND | 0.49 |
| Arochlor 1221 | 1 | 89.88 | 0.0227 | ND | 0.49 |
| Arochlor 1232 | 1 | 89.88 | 0.0154 | ND | 0.49 |
| Arochlor 1242 | 1 | 89.88 | 0.0176 | ND | 0.49 |
| Arochlor 1248 | 1 | 89.88 | 0.0071 | ND | 0.49 |
| Arochlor 1254 | 1 | 89.88 | 0.0044 | ND | 0.49 |
| Arochlor 1260 | 1 | 89.88 | 0.0040 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3567.19 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/14/98 |
| | Bldg. 173 | **Extraction Date:** | 5/15/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-64 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 82.85 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 82.85 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 82.85 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 82.85 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 82.85 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 82.85 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 82.85 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 82.85 | 0.0006 | ND | NLE |
| 4,4'-DDE | 100 | 82.85 | 0.0465 | 1.184 | 2 |
| Dieldrin | 1 | 82.85 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 82.85 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 82.85 | 0.0005 | ND | NLE |
| 4,4'-DDD | 100 | 82.85 | 0.0698 | 0.196 | 3 |
| Endrin Aldehyde | 1 | 82.85 | 0.0006 | ND | NLE |
| 4,4'-DDT | 100 | 82.85 | 0.1279 | 0.532 | 2 |
| Endosulfan-Sulfate | 1 | 82.85 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 82.85 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 82.85 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 82.85 | 0.0212 | ND | 0.1 |
| Arochlor 1016 | 1 | 82.85 | 0.0130 | ND | 0.49 |
| Arochlor 1221 | 1 | 82.85 | 0.0240 | ND | 0.49 |
| Arochlor 1232 | 1 | 82.85 | 0.0163 | ND | 0.49 |
| Arochlor 1242 | 1 | 82.85 | 0.0186 | ND | 0.49 |
| Arochlor 1248 | 1 | 82.85 | 0.0074 | ND | 0.49 |
| Arochlor 1254 | 1 | 82.85 | 0.0047 | ND | 0.49 |
| Arochlor 1260 | 1 | 82.85 | 0.0042 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3571.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/15/98 |
| | Bldg. 173 | **Extraction Date:** | 5/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-65 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 87.76 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 87.76 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 87.76 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 87.76 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 87.76 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.76 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 87.76 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 87.76 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 87.76 | 0.0004 | 0.002 | 2 |
| Dieldrin | 1 | 87.76 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 87.76 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 87.76 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 87.76 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 87.76 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 87.76 | 0.0012 | 0.002 | 2 |
| Endosulfan-Sulfate | 1 | 87.76 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 87.76 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 87.76 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 87.76 | 0.0190 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.76 | 0.0117 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.76 | 0.0216 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.76 | 0.0146 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.76 | 0.0167 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.76 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.76 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.76 | 0.0038 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3571.06 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/15/98 |
| | Bldg. 173 | **Extraction Date:** | 5/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-66 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 87.74 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 87.74 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 87.74 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 87.74 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 87.74 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.74 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 87.74 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 87.74 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 87.74 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 87.74 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 87.74 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 87.74 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 87.74 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 87.74 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 87.74 | 0.0012 | ND | 2 |
| Endosulfan-Sulfate | 1 | 87.74 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 87.74 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 87.74 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 87.74 | 0.0193 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.74 | 0.0119 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.74 | 0.0218 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.74 | 0.0148 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.74 | 0.0169 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.74 | 0.0068 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.74 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.74 | 0.0038 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3571.10 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/15/98 |
| | Bldg. 173 | **Extraction Date:** | 5/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-67 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 88.16 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 88.16 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 88.16 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 88.16 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 88.16 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 88.16 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 88.16 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 88.16 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 88.16 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 88.16 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 88.16 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 88.16 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 88.16 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 88.16 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 88.16 | 0.0012 | ND | 2 |
| Endosulfan-Sulfate | 1 | 88.16 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 88.16 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 88.16 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 88.16 | 0.0195 | ND | 0.1 |
| Arochlor 1016 | 1 | 88.16 | 0.0120 | ND | 0.49 |
| Arochlor 1221 | 1 | 88.16 | 0.0220 | ND | 0.49 |
| Arochlor 1232 | 1 | 88.16 | 0.0150 | ND | 0.49 |
| Arochlor 1242 | 1 | 88.16 | 0.0171 | ND | 0.49 |
| Arochlor 1248 | 1 | 88.16 | 0.0068 | ND | 0.49 |
| Arochlor 1254 | 1 | 88.16 | 0.0043 | ND | 0.49 |
| Arochlor 1260 | 1 | 88.16 | 0.0039 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3571.13 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/15/98 |
| | Bldg. 173 | **Extraction Date:** | 5/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-68 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 87.27 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 87.27 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 87.27 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 87.27 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 87.27 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.27 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 87.27 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 87.27 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 87.27 | 0.0004 | 0.041 | 2 |
| Dieldrin | 1 | 87.27 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 87.27 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 87.27 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 87.27 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 87.27 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 87.27 | 0.0012 | 0.069 | 2 |
| Endosulfan-Sulfate | 1 | 87.27 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 87.27 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 87.27 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 87.27 | 0.0195 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.27 | 0.0120 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.27 | 0.0220 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.27 | 0.0150 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.27 | 0.0171 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.27 | 0.0068 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.27 | 0.0043 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.27 | 0.0038 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3571.17 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/15/98 |
| | Bldg. 173 | **Extraction Date:** | 5/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-69 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 85.48 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 85.48 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 85.48 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 85.48 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 85.48 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 85.48 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 85.48 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 85.48 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 85.48 | 0.0004 | 0.069 | 2 |
| Dieldrin | 1 | 85.48 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 85.48 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 85.48 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 85.48 | 0.0006 | 0.038 | 3 |
| Endrin Aldehyde | 1 | 85.48 | 0.0005 | ND | NLE |
| 4,4'-DDT | 5 | 85.48 | 0.0059 | 0.287 | 2 |
| Endosulfan-Sulfate | 1 | 85.48 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 85.48 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 85.48 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 85.48 | 0.0195 | ND | 0.1 |
| Arochlor 1016 | 1 | 85.48 | 0.0120 | ND | 0.49 |
| Arochlor 1221 | 1 | 85.48 | 0.0220 | ND | 0.49 |
| Arochlor 1232 | 1 | 85.48 | 0.0150 | ND | 0.49 |
| Arochlor 1242 | 1 | 85.48 | 0.0171 | ND | 0.49 |
| Arochlor 1248 | 1 | 85.48 | 0.0069 | ND | 0.49 |
| Arochlor 1254 | 1 | 85.48 | 0.0043 | ND | 0.49 |
| Arochlor 1260 | 1 | 85.48 | 0.0039 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3576.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/18/98 |
| | Bldg. 173 | **Extraction Date:** | 5/20/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-70 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| **alpha-BHC** | 1 | 89.22 | 0.0003 | ND | NLE |
| **beta-BHC** | 1 | 89.22 | 0.0003 | ND | NLE |
| **gamma-BHC** | 1 | 89.22 | 0.0004 | ND | 0.52 |
| **delta-BHC** | 1 | 89.22 | 0.0004 | ND | NLE |
| **Heptachlor** | 1 | 89.22 | 0.0003 | ND | 0.15 |
| **Aldrin** | 1 | 89.22 | 0.0004 | ND | 0.04 |
| **Heptachlor Epoxide** | 1 | 89.22 | 0.0006 | ND | NLE |
| **Endosulfan I** | 1 | 89.22 | 0.0005 | ND | NLE |
| **4,4'-DDE** | 1 | 89.22 | 0.0004 | 0.001 | 2 |
| **Dieldrin** | 1 | 89.22 | 0.0005 | ND | 0.042 |
| **Endrin** | 1 | 89.22 | 0.0005 | ND | 17 |
| **Endosulfan II** | 1 | 89.22 | 0.0004 | ND | NLE |
| **4,4'-DDD** | 1 | 89.22 | 0.0006 | ND | 3 |
| **Endrin Aldehyde** | 1 | 89.22 | 0.0005 | ND | NLE |
| **4,4'-DDT** | 1 | 89.22 | 0.0012 | 0.002 | 2 |
| **Endosulfan-Sulfate** | 1 | 89.22 | 0.0004 | ND | NLE |
| **gamma -Chlordane** | 1 | 89.22 | 0.0005 | ND | NLE |
| **alpha-Chlordane** | 1 | 89.22 | 0.0005 | ND | NLE |
| **Toxaphene** | 1 | 89.22 | 0.0195 | ND | 0.1 |
| **Arochlor 1016** | 1 | 89.22 | 0.0120 | ND | 0.49 |
| **Arochlor 1221** | 1 | 89.22 | 0.0221 | ND | 0.49 |
| **Arochlor 1232** | 1 | 89.22 | 0.0150 | ND | 0.49 |
| **Arochlor 1242** | 1 | 89.22 | 0.0172 | ND | 0.49 |
| **Arochlor 1248** | 1 | 89.22 | 0.0069 | ND | 0.49 |
| **Arochlor 1254** | 1 | 89.22 | 0.0043 | ND | 0.49 |
| **Arochlor 1260** | 1 | 89.22 | 0.0039 | 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 # :** | 3576.06 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/18/98 |
| | Bldg. 173 | **Extraction Date:** | 5/20/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-71 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 90.14 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 90.14 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 90.14 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 90.14 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 90.14 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 90.14 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 90.14 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 90.14 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 90.14 | 0.0004 | 0.103 | 2 |
| Dieldrin | 1 | 90.14 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 90.14 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 90.14 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 90.14 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 90.14 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 90.14 | 0.0012 | 0.104 | 2 |
| Endosulfan-Sulfate | 1 | 90.14 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 90.14 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 90.14 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 90.14 | 0.0195 | ND | 0.1 |
| Arochlor 1016 | 1 | 90.14 | 0.0120 | ND | 0.49 |
| Arochlor 1221 | 1 | 90.14 | 0.0220 | ND | 0.49 |
| Arochlor 1232 | 1 | 90.14 | 0.0150 | ND | 0.49 |
| Arochlor 1242 | 1 | 90.14 | 0.0171 | ND | 0.49 |
| Arochlor 1248 | 1 | 90.14 | 0.0068 | ND | 0.49 |
| Arochlor 1254 | 1 | 90.14 | 0.0043 | ND | 0.49 |
| Arochlor 1260 | 1 | 90.14 | 0.0039 | 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 # :** | 3576.10 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/18/98 |
| | Bldg. 173 | **Extraction Date:** | 5/20/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-72 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 89.52 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 89.52 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 89.52 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 89.52 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 89.52 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 89.52 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 89.52 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 89.52 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 89.52 | 0.0004 | 0.087 | 2 |
| Dieldrin | 1 | 89.52 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 89.52 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 89.52 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 89.52 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 89.52 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 89.52 | 0.0011 | 0.072 | 2 |
| Endosulfan-Sulfate | 1 | 89.52 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 89.52 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 89.52 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 89.52 | 0.0189 | ND | 0.1 |
| Arochlor 1016 | 1 | 89.52 | 0.0117 | ND | 0.49 |
| Arochlor 1221 | 1 | 89.52 | 0.0214 | ND | 0.49 |
| Arochlor 1232 | 1 | 89.52 | 0.0146 | ND | 0.49 |
| Arochlor 1242 | 1 | 89.52 | 0.0167 | ND | 0.49 |
| Arochlor 1248 | 1 | 89.52 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 89.52 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 89.52 | 0.0037 | 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 # :** | 3576.14 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/18/98 |
| | Bldg. 173 | **Extraction Date:** | 5/20/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/13/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-73 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 88.54 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 88.54 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 88.54 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 88.54 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 88.54 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 88.54 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 88.54 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 88.54 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 88.54 | 0.0004 | 0.005 | 2 |
| Dieldrin | 1 | 88.54 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 88.54 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 88.54 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 88.54 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 88.54 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 88.54 | 0.0012 | 0.005 | 2 |
| Endosulfan-Sulfate | 1 | 88.54 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 88.54 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 88.54 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 88.54 | 0.0191 | ND | 0.1 |
| Arochlor 1016 | 1 | 88.54 | 0.0117 | ND | 0.49 |
| Arochlor 1221 | 1 | 88.54 | 0.0216 | ND | 0.49 |
| Arochlor 1232 | 1 | 88.54 | 0.0147 | ND | 0.49 |
| Arochlor 1242 | 1 | 88.54 | 0.0167 | ND | 0.49 |
| Arochlor 1248 | 1 | 88.54 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 88.54 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 88.54 | 0.0038 | 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 # :** | 3580.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/19/98 |
| | Bldg. 173 | **Extraction Date:** | 5/20/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-74 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| **alpha-BHC** | 1 | 88.05 | 0.0003 | ND | NLE |
| **beta-BHC** | 1 | 88.05 | 0.0003 | ND | NLE |
| **gamma-BHC** | 1 | 88.05 | 0.0004 | ND | 0.52 |
| **delta-BHC** | 1 | 88.05 | 0.0004 | ND | NLE |
| **Heptachlor** | 1 | 88.05 | 0.0003 | ND | 0.15 |
| **Aldrin** | 1 | 88.05 | 0.0004 | ND | 0.04 |
| **Heptachlor Epoxide** | 1 | 88.05 | 0.0006 | ND | NLE |
| **Endosulfan I** | 1 | 88.05 | 0.0005 | ND | NLE |
| **4,4'-DDE** | 1 | 88.05 | 0.0004 | 0.009 | 2 |
| **Dieldrin** | 1 | 88.05 | 0.0005 | ND | 0.042 |
| **Endrin** | 1 | 88.05 | 0.0005 | ND | 17 |
| **Endosulfan II** | 1 | 88.05 | 0.0004 | ND | NLE |
| **4,4'-DDD** | 1 | 88.05 | 0.0006 | ND | 3 |
| **Endrin Aldehyde** | 1 | 88.05 | 0.0005 | ND | NLE |
| **4,4'-DDT** | 1 | 88.05 | 0.0012 | 0.010 | 2 |
| **Endosulfan-Sulfate** | 1 | 88.05 | 0.0004 | ND | NLE |
| **gamma -Chlordane** | 1 | 88.05 | 0.0005 | ND | NLE |
| **alpha-Chlordane** | 1 | 88.05 | 0.0005 | ND | NLE |
| **Toxaphene** | 1 | 88.05 | 0.0003 | ND | 0.1 |
| **Arochlor 1016** | 1 | 88.05 | 0.0120 | ND | 0.49 |
| **Arochlor 1221** | 1 | 88.05 | 0.0220 | ND | 0.49 |
| **Arochlor 1232** | 1 | 88.05 | 0.0150 | ND | 0.49 |
| **Arochlor 1242** | 1 | 88.05 | 0.0171 | ND | 0.49 |
| **Arochlor 1248** | 1 | 88.05 | 0.0068 | ND | 0.49 |
| **Arochlor 1254** | 1 | 88.05 | 0.0043 | ND | 0.49 |
| **Arochlor 1260** | 1 | 88.05 | 0.0038 | 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 # :** | 3580.05 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/19/98 |
| | Bldg. 173 | **Extraction Date:** | 5/20/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-75 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 93.15 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 93.15 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 93.15 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 93.15 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 93.15 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 93.15 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 93.15 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 93.15 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 93.15 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 93.15 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 93.15 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 93.15 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 93.15 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 93.15 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 93.15 | 0.0011 | ND | 2 |
| Endosulfan-Sulfate | 1 | 93.15 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 93.15 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 93.15 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 93.15 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 93.15 | 0.0115 | ND | 0.49 |
| Arochlor 1221 | 1 | 93.15 | 0.0212 | ND | 0.49 |
| Arochlor 1232 | 1 | 93.15 | 0.0144 | ND | 0.49 |
| Arochlor 1242 | 1 | 93.15 | 0.0165 | ND | 0.49 |
| Arochlor 1248 | 1 | 93.15 | 0.0066 | ND | 0.49 |
| Arochlor 1254 | 1 | 93.15 | 0.0041 | ND | 0.49 |
| Arochlor 1260 | 1 | 93.15 | 0.0037 | 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 # :** | 3580.08 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/19/98 |
| | Bldg. 173 | **Extraction Date:** | 5/20/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-76 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 91.67 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 91.67 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 91.67 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 91.67 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 91.67 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 91.67 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 91.67 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 91.67 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 91.67 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 91.67 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 91.67 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 91.67 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 91.67 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 91.67 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 91.67 | 0.0012 | ND | 2 |
| Endosulfan-Sulfate | 1 | 91.67 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 91.67 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 91.67 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 91.67 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 91.67 | 0.0117 | ND | 0.49 |
| Arochlor 1221 | 1 | 91.67 | 0.0216 | ND | 0.49 |
| Arochlor 1232 | 1 | 91.67 | 0.0147 | ND | 0.49 |
| Arochlor 1242 | 1 | 91.67 | 0.0168 | ND | 0.49 |
| Arochlor 1248 | 1 | 91.67 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 91.67 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 91.67 | 0.0038 | 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 # :** | 3580.11 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/19/98 |
| | Bldg. 173 | **Extraction Date:** | 5/20/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-77 |

| Pesticide/PCB | 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 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 87.91 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 87.91 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.91 | 0.0005 | 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 | 0.0005 | ND | 2 |
| Dieldrin | 1 | 87.91 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 87.91 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 87.91 | 0.0005 | 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 | 0.0013 | ND | 2 |
| Endosulfan-Sulfate | 1 | 87.91 | 0.0005 | 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 | 0.0128 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.91 | 0.0236 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.91 | 0.0160 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.91 | 0.0183 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.91 | 0.0073 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.91 | 0.0046 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.91 | 0.0041 | 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 # :** | 3580.14 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/19/98 |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-78 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 93.24 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 93.24 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 93.24 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 93.24 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 93.24 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 93.24 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 93.24 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 93.24 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 93.24 | 0.0004 | 0.010 | 2 |
| Dieldrin | 1 | 93.24 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 93.24 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 93.24 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 93.24 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 93.24 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 93.24 | 0.0011 | 0.007 | 2 |
| Endosulfan-Sulfate | 1 | 93.24 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 93.24 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 93.24 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 93.24 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 93.24 | 0.0117 | ND | 0.49 |
| Arochlor 1221 | 1 | 93.24 | 0.0215 | ND | 0.49 |
| Arochlor 1232 | 1 | 93.24 | 0.0146 | ND | 0.49 |
| Arochlor 1242 | 1 | 93.24 | 0.0167 | ND | 0.49 |
| Arochlor 1248 | 1 | 93.24 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 93.24 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 93.24 | 0.0038 | 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 # :** | 3580.18 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/19/98 |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-79 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 86.81 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 86.81 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 86.81 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 86.81 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 86.81 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 86.81 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 86.81 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 86.81 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 86.81 | 0.0004 | 0.002 | 2 |
| Dieldrin | 1 | 86.81 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 86.81 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 86.81 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 86.81 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 86.81 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 86.81 | 0.0012 | 0.002 | 2 |
| Endosulfan-Sulfate | 1 | 86.81 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 86.81 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 86.81 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 86.81 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 86.81 | 0.0122 | ND | 0.49 |
| Arochlor 1221 | 1 | 86.81 | 0.0224 | ND | 0.49 |
| Arochlor 1232 | 1 | 86.81 | 0.0152 | ND | 0.49 |
| Arochlor 1242 | 1 | 86.81 | 0.0174 | ND | 0.49 |
| Arochlor 1248 | 1 | 86.81 | 0.0070 | ND | 0.49 |
| Arochlor 1254 | 1 | 86.81 | 0.0043 | ND | 0.49 |
| Arochlor 1260 | 1 | 86.81 | 0.0039 | 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 # :** | 3580.22 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/19/98 |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-80 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 87.96 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 87.96 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 87.96 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 87.96 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 87.96 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.96 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 87.96 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 87.96 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 87.96 | 0.0004 | 0.005 | 2 |
| Dieldrin | 1 | 87.96 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 87.96 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 87.96 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 87.96 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 87.96 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 87.96 | 0.0012 | 0.006 | 2 |
| Endosulfan-Sulfate | 1 | 87.96 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 87.96 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 87.96 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 87.96 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.96 | 0.0119 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.96 | 0.0219 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.96 | 0.0149 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.96 | 0.0170 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.96 | 0.0068 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.96 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.96 | 0.0038 | 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 # :** | 3580.26 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/19/98 |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-81 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 92.49 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 92.49 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 92.49 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 92.49 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 92.49 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 92.49 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 92.49 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 92.49 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 92.49 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 92.49 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 92.49 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 92.49 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 92.49 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 92.49 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 92.49 | 0.0012 | ND | 2 |
| Endosulfan-Sulfate | 1 | 92.49 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 92.49 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 92.49 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 92.49 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 92.49 | 0.0119 | ND | 0.49 |
| Arochlor 1221 | 1 | 92.49 | 0.0218 | ND | 0.49 |
| Arochlor 1232 | 1 | 92.49 | 0.0148 | ND | 0.49 |
| Arochlor 1242 | 1 | 92.49 | 0.0169 | ND | 0.49 |
| Arochlor 1248 | 1 | 92.49 | 0.0068 | ND | 0.49 |
| Arochlor 1254 | 1 | 92.49 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 92.49 | 0.0038 | 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 # :** | 3580.30 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/19/98 |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-82 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 93.45 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 93.45 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 93.45 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 93.45 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 93.45 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 93.45 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 93.45 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 93.45 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 93.45 | 0.0004 | 0.001 | 2 |
| Dieldrin | 1 | 93.45 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 93.45 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 93.45 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 93.45 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 93.45 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 93.45 | 0.0011 | ND | 2 |
| Endosulfan-Sulfate | 1 | 93.45 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 93.45 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 93.45 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 93.45 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 93.45 | 0.0117 | ND | 0.49 |
| Arochlor 1221 | 1 | 93.45 | 0.0215 | ND | 0.49 |
| Arochlor 1232 | 1 | 93.45 | 0.0146 | ND | 0.49 |
| Arochlor 1242 | 1 | 93.45 | 0.0167 | ND | 0.49 |
| Arochlor 1248 | 1 | 93.45 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 93.45 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 93.45 | 0.0038 | 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 # :** | 3580.34 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/19/98 |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-83 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 92.54 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 92.54 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 92.54 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 92.54 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 92.54 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 92.54 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 92.54 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 92.54 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 92.54 | 0.0004 | 0.018 | 2 |
| Dieldrin | 1 | 92.54 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 92.54 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 92.54 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 92.54 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 92.54 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 92.54 | 0.0012 | 0.028 | 2 |
| Endosulfan-Sulfate | 1 | 92.54 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 92.54 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 92.54 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 92.54 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 92.54 | 0.0118 | ND | 0.49 |
| Arochlor 1221 | 1 | 92.54 | 0.0218 | ND | 0.49 |
| Arochlor 1232 | 1 | 92.54 | 0.0148 | ND | 0.49 |
| Arochlor 1242 | 1 | 92.54 | 0.0169 | ND | 0.49 |
| Arochlor 1248 | 1 | 92.54 | 0.0068 | ND | 0.49 |
| Arochlor 1254 | 1 | 92.54 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 92.54 | 0.0038 | 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 # :** | 3584.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/21/98 |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-84 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 91.30 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 91.30 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 91.30 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 91.30 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 91.30 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 91.30 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 91.30 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 91.30 | 0.0005 | ND | NLE |
| 4,4'-DDE | 10 | 91.30 | 0.0042 | 0.208 | 2 |
| Dieldrin | 1 | 91.30 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 91.30 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 91.30 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 91.30 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 91.30 | 0.0005 | ND | NLE |
| 4,4'-DDT | 10 | 91.30 | 0.0115 | 0.803 | 2 |
| Endosulfan-Sulfate | 1 | 91.30 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 91.30 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 91.30 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 91.30 | 0.0190 | ND | 0.1 |
| Arochlor 1016 | 1 | 91.30 | 0.0117 | ND | 0.49 |
| Arochlor 1221 | 1 | 91.30 | 0.0215 | ND | 0.49 |
| Arochlor 1232 | 1 | 91.30 | 0.0146 | ND | 0.49 |
| Arochlor 1242 | 1 | 91.30 | 0.0167 | ND | 0.49 |
| Arochlor 1248 | 1 | 91.30 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 91.30 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 91.30 | 0.0038 | 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 # :** | 3584.06 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/21/98 |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-85 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 91.95 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 91.95 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 91.95 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 91.95 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 91.95 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 91.95 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 91.95 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 91.95 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 91.95 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 91.95 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 91.95 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 91.95 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 91.95 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 91.95 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 91.95 | 0.0012 | ND | 2 |
| Endosulfan-Sulfate | 1 | 91.95 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 91.95 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 91.95 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 91.95 | 0.0190 | ND | 0.1 |
| Arochlor 1016 | 1 | 91.95 | 0.0117 | ND | 0.49 |
| Arochlor 1221 | 1 | 91.95 | 0.0215 | ND | 0.49 |
| Arochlor 1232 | 1 | 91.95 | 0.0146 | ND | 0.49 |
| Arochlor 1242 | 1 | 91.95 | 0.0167 | ND | 0.49 |
| Arochlor 1248 | 1 | 91.95 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 91.95 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 91.95 | 0.0038 | 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 # :** | 3584.10 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/21/98 |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-86 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 90.74 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 90.74 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 90.74 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 90.74 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 90.74 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 90.74 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 90.74 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 90.74 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 90.74 | 0.0004 | 0.002 | 2 |
| Dieldrin | 1 | 90.74 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 90.74 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 90.74 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 90.74 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 90.74 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 90.74 | 0.0012 | ND | 2 |
| Endosulfan-Sulfate | 1 | 90.74 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 90.74 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 90.74 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 90.74 | 0.0195 | ND | 0.1 |
| Arochlor 1016 | 1 | 90.74 | 0.0120 | ND | 0.49 |
| Arochlor 1221 | 1 | 90.74 | 0.0221 | ND | 0.49 |
| Arochlor 1232 | 1 | 90.74 | 0.0150 | ND | 0.49 |
| Arochlor 1242 | 1 | 90.74 | 0.0172 | ND | 0.49 |
| Arochlor 1248 | 1 | 90.74 | 0.0069 | ND | 0.49 |
| Arochlor 1254 | 1 | 90.74 | 0.0043 | ND | 0.49 |
| Arochlor 1260 | 1 | 90.74 | 0.0039 | 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 # :** | 3584.14 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/21/98 |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-87 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 91.83 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 91.83 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 91.83 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 91.83 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 91.83 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 91.83 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 91.83 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 91.83 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 91.83 | 0.0004 | 0.007 | 2 |
| Dieldrin | 1 | 91.83 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 91.83 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 91.83 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 91.83 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 91.83 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 91.83 | 0.0011 | 0.003 | 2 |
| Endosulfan-Sulfate | 1 | 91.83 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 91.83 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 91.83 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 91.83 | 0.0188 | ND | 0.1 |
| Arochlor 1016 | 1 | 91.83 | 0.0116 | ND | 0.49 |
| Arochlor 1221 | 1 | 91.83 | 0.0213 | ND | 0.49 |
| Arochlor 1232 | 1 | 91.83 | 0.0145 | ND | 0.49 |
| Arochlor 1242 | 1 | 91.83 | 0.0165 | ND | 0.49 |
| Arochlor 1248 | 1 | 91.83 | 0.0066 | ND | 0.49 |
| Arochlor 1254 | 1 | 91.83 | 0.0041 | ND | 0.49 |
| Arochlor 1260 | 1 | 91.83 | 0.0037 | 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 # :** | 3584.18 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/21/98 |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-88 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 85.49 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 85.49 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 85.49 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 85.49 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 85.49 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 85.49 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 85.49 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 85.49 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 85.49 | 0.0005 | ND | 2 |
| Dieldrin | 1 | 85.49 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 85.49 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 85.49 | 0.0005 | ND | NLE |
| 4,4'-DDD | 1 | 85.49 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 85.49 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 85.49 | 0.0013 | ND | 2 |
| Endosulfan-Sulfate | 1 | 85.49 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 85.49 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 85.49 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 85.49 | 0.0210 | ND | 0.1 |
| Arochlor 1016 | 1 | 85.49 | 0.0129 | ND | 0.49 |
| Arochlor 1221 | 1 | 85.49 | 0.0238 | ND | 0.49 |
| Arochlor 1232 | 1 | 85.49 | 0.0162 | ND | 0.49 |
| Arochlor 1242 | 1 | 85.49 | 0.0185 | ND | 0.49 |
| Arochlor 1248 | 1 | 85.49 | 0.0074 | ND | 0.49 |
| Arochlor 1254 | 1 | 85.49 | 0.0046 | ND | 0.49 |
| Arochlor 1260 | 1 | 85.49 | 0.0042 | 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 # :** | 3584.22 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/21/98 |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-89 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 82.36 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 82.36 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 82.36 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 82.36 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 82.36 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 82.36 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 82.36 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 82.36 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 82.36 | 0.0004 | 0.006 | 2 |
| Dieldrin | 1 | 82.36 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 82.36 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 82.36 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 82.36 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 82.36 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 82.36 | 0.0012 | 0.003 | 2 |
| Endosulfan-Sulfate | 1 | 82.36 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 82.36 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 82.36 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 82.36 | 0.0205 | ND | 0.1 |
| Arochlor 1016 | 1 | 82.36 | 0.0126 | ND | 0.49 |
| Arochlor 1221 | 1 | 82.36 | 0.0232 | ND | 0.49 |
| Arochlor 1232 | 1 | 82.36 | 0.0157 | ND | 0.49 |
| Arochlor 1242 | 1 | 82.36 | 0.0180 | ND | 0.49 |
| Arochlor 1248 | 1 | 82.36 | 0.0072 | ND | 0.49 |
| Arochlor 1254 | 1 | 82.36 | 0.0045 | ND | 0.49 |
| Arochlor 1260 | 1 | 82.36 | 0.0040 | 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 # :** | 3584.26 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/21/98 |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-90 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 86.28 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 86.28 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 86.28 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 86.28 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 86.28 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 86.28 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 86.28 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 86.28 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 86.28 | 0.0004 | 0.001 | 2 |
| Dieldrin | 1 | 86.28 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 86.28 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 86.28 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 86.28 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 86.28 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 86.28 | 0.0012 | 0.002 | 2 |
| Endosulfan-Sulfate | 1 | 86.28 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 86.28 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 86.28 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 86.28 | 0.0197 | ND | 0.1 |
| Arochlor 1016 | 1 | 86.28 | 0.0121 | ND | 0.49 |
| Arochlor 1221 | 1 | 86.28 | 0.0223 | ND | 0.49 |
| Arochlor 1232 | 1 | 86.28 | 0.0151 | ND | 0.49 |
| Arochlor 1242 | 1 | 86.28 | 0.0173 | ND | 0.49 |
| Arochlor 1248 | 1 | 86.28 | 0.0069 | ND | 0.49 |
| Arochlor 1254 | 1 | 86.28 | 0.0043 | ND | 0.49 |
| Arochlor 1260 | 1 | 86.28 | 0.0039 | 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 # :** | 3584.30 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/21/98 |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-91 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 92.03 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 92.03 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 92.03 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 92.03 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 92.03 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 92.03 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 92.03 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 92.03 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 92.03 | 0.0004 | 0.002 | 2 |
| Dieldrin | 1 | 92.03 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 92.03 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 92.03 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 92.03 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 92.03 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 92.03 | 0.0012 | 0.002 | 2 |
| Endosulfan-Sulfate | 1 | 92.03 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 92.03 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 92.03 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 92.03 | 0.0192 | ND | 0.1 |
| Arochlor 1016 | 1 | 92.03 | 0.0118 | ND | 0.49 |
| Arochlor 1221 | 1 | 92.03 | 0.0218 | ND | 0.49 |
| Arochlor 1232 | 1 | 92.03 | 0.0148 | ND | 0.49 |
| Arochlor 1242 | 1 | 92.03 | 0.0169 | ND | 0.49 |
| Arochlor 1248 | 1 | 92.03 | 0.0068 | ND | 0.49 |
| Arochlor 1254 | 1 | 92.03 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 92.03 | 0.0038 | 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 # :** | 3584.34 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/21/98 |
| | Bldg. 173 | **Extraction Date:** | 5/21/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/14/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-92 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 91.59 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 91.59 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 91.59 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 91.59 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 91.59 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 91.59 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 91.59 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 91.59 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 91.59 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 91.59 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 91.59 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 91.59 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 91.59 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 91.59 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 91.59 | 0.0012 | ND | 2 |
| Endosulfan-Sulfate | 1 | 91.59 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 91.59 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 91.59 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 91.59 | 0.0190 | ND | 0.1 |
| Arochlor 1016 | 1 | 91.59 | 0.0117 | ND | 0.49 |
| Arochlor 1221 | 1 | 91.59 | 0.0215 | ND | 0.49 |
| Arochlor 1232 | 1 | 91.59 | 0.0146 | ND | 0.49 |
| Arochlor 1242 | 1 | 91.59 | 0.0167 | ND | 0.49 |
| Arochlor 1248 | 1 | 91.59 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 91.59 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 91.59 | 0.0038 | 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 # :** | 3588.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/22/98 |
| | Bldg. 173 | **Extraction Date:** | 5/22/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/20/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-93 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 87.94 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 87.94 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 87.94 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 87.94 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 87.94 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.94 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 87.94 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 87.94 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 87.94 | 0.0004 | 0.008 | 2 |
| Dieldrin | 1 | 87.94 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 87.94 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 87.94 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 87.94 | 0.0006 | 0.004 | 3 |
| Endrin Aldehyde | 1 | 87.94 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 87.94 | 0.0011 | 0.032 | 2 |
| Endosulfan-Sulfate | 1 | 87.94 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 87.94 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 87.94 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 87.94 | 0.0189 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.94 | 0.0116 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.94 | 0.0214 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.94 | 0.0146 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.94 | 0.0166 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.94 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.94 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.94 | 0.0037 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3588.06 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/22/98 |
| | Bldg. 173 | **Extraction Date:** | 5/22/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/20/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-94 |

| Pesticide/PCB | 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 | 1 | 91.55 | 0.0004 | 0.002 | 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 | 1 | 91.55 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 91.55 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 91.55 | 0.0012 | 0.004 | 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 | 0.0191 | ND | 0.1 |
| Arochlor 1016 | 1 | 91.55 | 0.0117 | ND | 0.49 |
| Arochlor 1221 | 1 | 91.55 | 0.0216 | ND | 0.49 |
| Arochlor 1232 | 1 | 91.55 | 0.0147 | ND | 0.49 |
| Arochlor 1242 | 1 | 91.55 | 0.0168 | ND | 0.49 |
| Arochlor 1248 | 1 | 91.55 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 91.55 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 91.55 | 0.0038 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3588.10 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/22/98 |
| | Bldg. 173 | **Extraction Date:** | 5/22/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/20/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-95 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 88.71 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 88.71 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 88.71 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 88.71 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 88.71 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 88.71 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 88.71 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 88.71 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 88.71 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 88.71 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 88.71 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 88.71 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 88.71 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 88.71 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 88.71 | 0.0011 | ND | 2 |
| Endosulfan-Sulfate | 1 | 88.71 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 88.71 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 88.71 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 88.71 | 0.0189 | ND | 0.1 |
| Arochlor 1016 | 1 | 88.71 | 0.0116 | ND | 0.49 |
| Arochlor 1221 | 1 | 88.71 | 0.0214 | ND | 0.49 |
| Arochlor 1232 | 1 | 88.71 | 0.0146 | ND | 0.49 |
| Arochlor 1242 | 1 | 88.71 | 0.0166 | ND | 0.49 |
| Arochlor 1248 | 1 | 88.71 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 88.71 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 88.71 | 0.0037 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3588.14 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/22/98 |
| | Bldg. 173 | **Extraction Date:** | 5/22/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/20/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-96 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 88.81 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 88.81 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 88.81 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 88.81 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 88.81 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 88.81 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 88.81 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 88.81 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 88.81 | 0.0004 | 0.003 | 2 |
| Dieldrin | 1 | 88.81 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 88.81 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 88.81 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 88.81 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 88.81 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 88.81 | 0.0012 | 0.002 | 2 |
| Endosulfan-Sulfate | 1 | 88.81 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 88.81 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 88.81 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 88.81 | 0.0197 | ND | 0.1 |
| Arochlor 1016 | 1 | 88.81 | 0.0121 | ND | 0.49 |
| Arochlor 1221 | 1 | 88.81 | 0.0223 | ND | 0.49 |
| Arochlor 1232 | 1 | 88.81 | 0.0151 | ND | 0.49 |
| Arochlor 1242 | 1 | 88.81 | 0.0173 | ND | 0.49 |
| Arochlor 1248 | 1 | 88.81 | 0.0069 | ND | 0.49 |
| Arochlor 1254 | 1 | 88.81 | 0.0043 | ND | 0.49 |
| Arochlor 1260 | 1 | 88.81 | 0.0039 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3588.18 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/22/98 |
| | Bldg. 173 | **Extraction Date:** | 5/22/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/20/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-97 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 89.15 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 89.15 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 89.15 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 89.15 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 89.15 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 89.15 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 89.15 | 0.0006 | 0.001 | NLE |
| Endosulfan I | 1 | 89.15 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 89.15 | 0.0004 | 0.008 | 2 |
| Dieldrin | 1 | 89.15 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 89.15 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 89.15 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 89.15 | 0.0006 | 0.003 | 3 |
| Endrin Aldehyde | 1 | 89.15 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 89.15 | 0.0011 | 0.014 | 2 |
| Endosulfan-Sulfate | 1 | 89.15 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 89.15 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 89.15 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 89.15 | 0.0189 | ND | 0.1 |
| Arochlor 1016 | 1 | 89.15 | 0.0116 | ND | 0.49 |
| Arochlor 1221 | 1 | 89.15 | 0.0214 | ND | 0.49 |
| Arochlor 1232 | 1 | 89.15 | 0.0145 | ND | 0.49 |
| Arochlor 1242 | 1 | 89.15 | 0.0166 | ND | 0.49 |
| Arochlor 1248 | 1 | 89.15 | 0.0066 | ND | 0.49 |
| Arochlor 1254 | 1 | 89.15 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 89.15 | 0.0037 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3588.22 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/22/98 |
| | Bldg. 173 | **Extraction Date:** | 5/22/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/20/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-98 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 82.27 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 82.27 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 82.27 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 82.27 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 82.27 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 82.27 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 82.27 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 82.27 | 0.0006 | ND | NLE |
| 4,4'-DDE | 5 | 82.27 | 0.0023 | 0.166 | 2 |
| Dieldrin | 1 | 82.27 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 82.27 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 82.27 | 0.0005 | ND | NLE |
| 4,4'-DDD | 1 | 82.27 | 0.0007 | 0.020 | 3 |
| Endrin Aldehyde | 1 | 82.27 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 82.27 | 0.0013 | 0.077 | 2 |
| Endosulfan-Sulfate | 1 | 82.27 | 0.0005 | 0.009 | NLE |
| gamma -Chlordane | 1 | 82.27 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 82.27 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 82.27 | 0.0212 | ND | 0.1 |
| Arochlor 1016 | 1 | 82.27 | 0.0130 | ND | 0.49 |
| Arochlor 1221 | 1 | 82.27 | 0.0240 | ND | 0.49 |
| Arochlor 1232 | 1 | 82.27 | 0.0163 | ND | 0.49 |
| Arochlor 1242 | 1 | 82.27 | 0.0186 | ND | 0.49 |
| Arochlor 1248 | 1 | 82.27 | 0.0074 | ND | 0.49 |
| Arochlor 1254 | 1 | 82.27 | 0.0047 | ND | 0.49 |
| Arochlor 1260 | 1 | 82.27 | 0.0042 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3593.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 5/26/98 |
| | Bldg. 173 | **Extraction Date:** | 5/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 6/20/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-99 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 89.84 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 89.84 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 89.84 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 89.84 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 89.84 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 89.84 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 89.84 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 89.84 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 89.84 | 0.0004 | 0.008 | 2 |
| Dieldrin | 1 | 89.84 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 89.84 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 89.84 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 89.84 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 89.84 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 89.84 | 0.0011 | 0.008 | 2 |
| Endosulfan-Sulfate | 1 | 89.84 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 89.84 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 89.84 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 89.84 | 0.0188 | ND | 0.1 |
| Arochlor 1016 | 1 | 89.84 | 0.0116 | ND | 0.49 |
| Arochlor 1221 | 1 | 89.84 | 0.0213 | ND | 0.49 |
| Arochlor 1232 | 1 | 89.84 | 0.0145 | ND | 0.49 |
| Arochlor 1242 | 1 | 89.84 | 0.0166 | ND | 0.49 |
| Arochlor 1248 | 1 | 89.84 | 0.0066 | ND | 0.49 |
| Arochlor 1254 | 1 | 89.84 | 0.0041 | ND | 0.49 |
| Arochlor 1260 | 1 | 89.84 | 0.0037 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit

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 # :** | 3665.12 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 6/18/98 |
| | Bldg. 173 | **Extraction Date:** | 6/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 7/24/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-158 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 93.88 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 93.88 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 93.88 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 93.88 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 93.88 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 93.88 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 93.88 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 93.88 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 93.88 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 93.88 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 93.88 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 93.88 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 93.88 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 93.88 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 93.88 | 0.0011 | ND | 2 |
| Endosulfan-Sulfate | 1 | 93.88 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 93.88 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 93.88 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 93.88 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 93.88 | 0.0117 | ND | 0.49 |
| Arochlor 1221 | 1 | 93.88 | 0.0214 | ND | 0.49 |
| Arochlor 1232 | 1 | 93.88 | 0.0146 | ND | 0.49 |
| Arochlor 1242 | 1 | 93.88 | 0.0167 | ND | 0.49 |
| Arochlor 1248 | 1 | 93.88 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 93.88 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 93.88 | 0.0037 | 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 # :** | 3665.16 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 6/18/98 |
| | Bldg. 173 | **Extraction Date:** | 6/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 7/24/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-159 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 88.36 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 88.36 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 88.36 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 88.36 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 88.36 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 88.36 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 88.36 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 88.36 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 88.36 | 0.0004 | 0.003 | 2 |
| Dieldrin | 1 | 88.36 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 88.36 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 88.36 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 88.36 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 88.36 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 88.36 | 0.0011 | 0.003 | 2 |
| Endosulfan-Sulfate | 1 | 88.36 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 88.36 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 88.36 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 88.36 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 88.36 | 0.0109 | ND | 0.49 |
| Arochlor 1221 | 1 | 88.36 | 0.0200 | ND | 0.49 |
| Arochlor 1232 | 1 | 88.36 | 0.0136 | ND | 0.49 |
| Arochlor 1242 | 1 | 88.36 | 0.0156 | ND | 0.49 |
| Arochlor 1248 | 1 | 88.36 | 0.0062 | ND | 0.49 |
| Arochlor 1254 | 1 | 88.36 | 0.0039 | ND | 0.49 |
| Arochlor 1260 | 1 | 88.36 | 0.0035 | 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 # :** | 3665.19 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 6/18/98 |
| | Bldg. 173 | **Extraction Date:** | 6/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 7/24/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-160 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 88.88 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 88.88 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 88.88 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 88.88 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 88.88 | 0.0003 | 0.003 | 0.15 |
| Aldrin | 1 | 88.88 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 88.88 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 88.88 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 88.88 | 0.0004 | 0.011 | 2 |
| Dieldrin | 1 | 88.88 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 88.88 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 88.88 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 88.88 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 88.88 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 88.88 | 0.0012 | 0.019 | 2 |
| Endosulfan-Sulfate | 1 | 88.88 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 88.88 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 88.88 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 88.88 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 88.88 | 0.0119 | ND | 0.49 |
| Arochlor 1221 | 1 | 88.88 | 0.0219 | ND | 0.49 |
| Arochlor 1232 | 1 | 88.88 | 0.0149 | ND | 0.49 |
| Arochlor 1242 | 1 | 88.88 | 0.0170 | ND | 0.49 |
| Arochlor 1248 | 1 | 88.88 | 0.0068 | ND | 0.49 |
| Arochlor 1254 | 1 | 88.88 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 88.88 | 0.0038 | 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 # :** | 3665.22 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 6/18/98 |
| | Bldg. 173 | **Extraction Date:** | 6/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 7/24/98 |
| **Analysis:** | SW-846 Method 8081 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-161 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 92.86 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 92.86 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 92.86 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 92.86 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 92.86 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 92.86 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 92.86 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 92.86 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 92.86 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 92.86 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 92.86 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 92.86 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 92.86 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 92.86 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 92.86 | 0.0011 | ND | 2 |
| Endosulfan-Sulfate | 1 | 92.86 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 92.86 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 92.86 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 92.86 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 92.86 | 0.0112 | ND | 0.49 |
| Arochlor 1221 | 1 | 92.86 | 0.0206 | ND | 0.49 |
| Arochlor 1232 | 1 | 92.86 | 0.0140 | ND | 0.49 |
| Arochlor 1242 | 1 | 92.86 | 0.0160 | ND | 0.49 |
| Arochlor 1248 | 1 | 92.86 | 0.0064 | ND | 0.49 |
| Arochlor 1254 | 1 | 92.86 | 0.0040 | ND | 0.49 |
| Arochlor 1260 | 1 | 92.86 | 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 # :** | 3686.04 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 6/26/98 |
| | Bldg. 173 | **Extraction Date:** | 6/29/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/5/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-162 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| **alpha-BHC** | 1 | 78.38 | 0.0004 | ND | NLE |
| **beta-BHC** | 1 | 78.38 | 0.0004 | ND | NLE |
| **gamma-BHC** | 1 | 78.38 | 0.0005 | ND | 0.52 |
| **delta-BHC** | 1 | 78.38 | 0.0005 | ND | NLE |
| **Heptachlor** | 1 | 78.38 | 0.0004 | ND | 0.15 |
| **Aldrin** | 1 | 78.38 | 0.0005 | ND | 0.04 |
| **Heptachlor Epoxide** | 1 | 78.38 | 0.0007 | ND | NLE |
| **Endosulfan I** | 1 | 78.38 | 0.0006 | ND | NLE |
| **4,4'-DDE** | 1 | 78.38 | 0.0005 | ND | 2 |
| **Dieldrin** | 1 | 78.38 | 0.0006 | ND | 0.042 |
| **Endrin** | 1 | 78.38 | 0.0006 | ND | 17 |
| **Endosulfan II** | 1 | 78.38 | 0.0005 | ND | NLE |
| **4,4'-DDD** | 1 | 78.38 | 0.0007 | ND | 3 |
| **Endrin Aldehyde** | 1 | 78.38 | 0.0006 | ND | NLE |
| **4,4'-DDT** | 1 | 78.38 | 0.0014 | ND | 2 |
| **Endosulfan-Sulfate** | 1 | 78.38 | 0.0005 | ND | NLE |
| **gamma -Chlordane** | 1 | 78.38 | 0.0006 | ND | NLE |
| **alpha-Chlordane** | 1 | 78.38 | 0.0006 | ND | NLE |
| **Toxaphene** | 1 | 78.38 | 0.0004 | ND | 0.1 |
| **Arochlor 1016** | 1 | 78.38 | 0.0140 | ND | 0.49 |
| **Arochlor 1221** | 1 | 78.38 | 0.0257 | ND | 0.49 |
| **Arochlor 1232** | 1 | 78.38 | 0.0175 | ND | 0.49 |
| **Arochlor 1242** | 1 | 78.38 | 0.0200 | ND | 0.49 |
| **Arochlor 1248** | 1 | 78.38 | 0.0080 | ND | 0.49 |
| **Arochlor 1254** | 1 | 78.38 | 0.0050 | ND | 0.49 |
| **Arochlor 1260** | 1 | 78.38 | 0.0045 | 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

001893

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3686.07 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 6/26/98 |
| | Bldg. 173 | **Extraction Date:** | 6/29/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/5/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-163 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 85.80 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 85.80 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 85.80 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 85.80 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 85.80 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 85.80 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 85.80 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 85.80 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 85.80 | 0.0005 | ND | 2 |
| Dieldrin | 1 | 85.80 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 85.80 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 85.80 | 0.0005 | ND | NLE |
| 4,4'-DDD | 1 | 85.80 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 85.80 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 85.80 | 0.0013 | ND | 2 |
| Endosulfan-Sulfate | 1 | 85.80 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 85.80 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 85.80 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 85.80 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 85.80 | 0.0128 | ND | 0.49 |
| Arochlor 1221 | 1 | 85.80 | 0.0235 | ND | 0.49 |
| Arochlor 1232 | 1 | 85.80 | 0.0160 | ND | 0.49 |
| Arochlor 1242 | 1 | 85.80 | 0.0183 | ND | 0.49 |
| Arochlor 1248 | 1 | 85.80 | 0.0073 | ND | 0.49 |
| Arochlor 1254 | 1 | 85.80 | 0.0046 | ND | 0.49 |
| Arochlor 1260 | 1 | 85.80 | 0.0041 | 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 # :** | 3686.10 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 6/26/98 |
| | Bldg. 173 | **Extraction Date:** | 6/29/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/5/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-164 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 92.79 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 92.79 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 92.79 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 92.79 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 92.79 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 92.79 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 92.79 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 92.79 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 92.79 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 92.79 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 92.79 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 92.79 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 92.79 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 92.79 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 92.79 | 0.0012 | ND | 2 |
| Endosulfan-Sulfate | 1 | 92.79 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 92.79 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 92.79 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 92.79 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 92.79 | 0.0120 | ND | 0.49 |
| Arochlor 1221 | 1 | 92.79 | 0.0220 | ND | 0.49 |
| Arochlor 1232 | 1 | 92.79 | 0.0150 | ND | 0.49 |
| Arochlor 1242 | 1 | 92.79 | 0.0171 | ND | 0.49 |
| Arochlor 1248 | 1 | 92.79 | 0.0068 | ND | 0.49 |
| Arochlor 1254 | 1 | 92.79 | 0.0043 | ND | 0.49 |
| Arochlor 1260 | 1 | 92.79 | 0.0039 | 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 # :** | 3688.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 6/29/98 |
| | Bldg. 173 | **Extraction Date:** | 6/30/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/5/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-165 |

| | 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 | 1 | 91.22 | 0.0004 | 0.011 | 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 | ND | 3 |
| Endrin Aldehyde | 1 | 91.22 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 91.22 | 0.0012 | 0.010 | 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 | 0.0118 | ND | 0.49 |
| Arochlor 1221 | 1 | 91.22 | 0.0217 | ND | 0.49 |
| Arochlor 1232 | 1 | 91.22 | 0.0147 | ND | 0.49 |
| Arochlor 1242 | 1 | 91.22 | 0.0168 | ND | 0.49 |
| Arochlor 1248 | 1 | 91.22 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 91.22 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 91.22 | 0.0038 | 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 # :** | 3688.06 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 6/29/98 |
| | Bldg. 173 | **Extraction Date:** | 6/30/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/5/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-166 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 88.36 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 88.36 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 88.36 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 88.36 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 88.36 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 88.36 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 88.36 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 88.36 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 88.36 | 0.0004 | 0.003 | 2 |
| Dieldrin | 1 | 88.36 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 88.36 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 88.36 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 88.36 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 88.36 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 88.36 | 0.0012 | 0.010 | 2 |
| Endosulfan-Sulfate | 1 | 88.36 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 88.36 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 88.36 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 88.36 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 88.36 | 0.0118 | ND | 0.49 |
| Arochlor 1221 | 1 | 88.36 | 0.0217 | ND | 0.49 |
| Arochlor 1232 | 1 | 88.36 | 0.0147 | ND | 0.49 |
| Arochlor 1242 | 1 | 88.36 | 0.0168 | ND | 0.49 |
| Arochlor 1248 | 1 | 88.36 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 88.36 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 88.36 | 0.0038 | 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 # :** | 3688.09 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 6/29/98 |
| | Bldg. 173 | **Extraction Date:** | 6/30/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/5/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-167 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 91.06 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 91.06 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 91.06 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 91.06 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 91.06 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 91.06 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 91.06 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 91.06 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 91.06 | 0.0004 | 0.067 | 2 |
| Dieldrin | 1 | 91.06 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 91.06 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 91.06 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 91.06 | 0.0006 | 0.016 | 3 |
| Endrin Aldehyde | 1 | 91.06 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 91.06 | 0.0011 | 0.091 | 2 |
| Endosulfan-Sulfate | 1 | 91.06 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 91.06 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 91.06 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 91.06 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 91.06 | 0.0117 | ND | 0.49 |
| Arochlor 1221 | 1 | 91.06 | 0.0215 | ND | 0.49 |
| Arochlor 1232 | 1 | 91.06 | 0.0146 | ND | 0.49 |
| Arochlor 1242 | 1 | 91.06 | 0.0167 | ND | 0.49 |
| Arochlor 1248 | 1 | 91.06 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 91.06 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 91.06 | 0.0038 | 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 # :** | 3688.12 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 6/29/98 |
| | Bldg. 173 | **Extraction Date:** | 6/30/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/5/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-168 |

| Pesticide/PCB | 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 | 0.003 | 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 | ND | 3 |
| Endrin Aldehyde | 1 | 84.06 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 84.06 | 0.0012 | 0.002 | 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 | 0.0127 | ND | 0.49 |
| Arochlor 1221 | 1 | 84.06 | 0.0234 | ND | 0.49 |
| Arochlor 1232 | 1 | 84.06 | 0.0159 | ND | 0.49 |
| Arochlor 1242 | 1 | 84.06 | 0.0181 | ND | 0.49 |
| Arochlor 1248 | 1 | 84.06 | 0.0073 | ND | 0.49 |
| Arochlor 1254 | 1 | 84.06 | 0.0045 | 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-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 # :** | 3688.15 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 6/29/98 |
| | Bldg. 173 | **Extraction Date:** | 6/30/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/5/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-169 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 76.04 | 0.0004 | ND | NLE |
| beta-BHC | 1 | 76.04 | 0.0004 | ND | NLE |
| gamma-BHC | 1 | 76.04 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 76.04 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 76.04 | 0.0004 | ND | 0.15 |
| Aldrin | 1 | 76.04 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 76.04 | 0.0008 | ND | NLE |
| Endosulfan I | 1 | 76.04 | 0.0007 | ND | NLE |
| 4,4'-DDE | 1 | 76.04 | 0.0005 | ND | 2 |
| Dieldrin | 1 | 76.04 | 0.0007 | ND | 0.042 |
| Endrin | 1 | 76.04 | 0.0007 | ND | 17 |
| Endosulfan II | 1 | 76.04 | 0.0005 | ND | NLE |
| 4,4'-DDD | 1 | 76.04 | 0.0008 | ND | 3 |
| Endrin Aldehyde | 1 | 76.04 | 0.0007 | ND | NLE |
| 4,4'-DDT | 1 | 76.04 | 0.0014 | ND | 2 |
| Endosulfan-Sulfate | 1 | 76.04 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 76.04 | 0.0007 | ND | NLE |
| alpha-Chlordane | 1 | 76.04 | 0.0007 | ND | NLE |
| Toxaphene | 1 | 76.04 | 0.0004 | ND | 0.1 |
| Arochlor 1016 | 1 | 76.04 | 0.0147 | ND | 0.49 |
| Arochlor 1221 | 1 | 76.04 | 0.0270 | ND | 0.49 |
| Arochlor 1232 | 1 | 76.04 | 0.0184 | ND | 0.49 |
| Arochlor 1242 | 1 | 76.04 | 0.0210 | ND | 0.49 |
| Arochlor 1248 | 1 | 76.04 | 0.0084 | ND | 0.49 |
| Arochlor 1254 | 1 | 76.04 | 0.0052 | ND | 0.49 |
| Arochlor 1260 | 1 | 76.04 | 0.0047 | 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 # :** | 3722.12 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 7/13/98 |
| | Bldg. 173 | **Extraction Date:** | 7/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/22/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-178 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 92.47 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 92.47 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 92.47 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 92.47 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 92.47 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 92.47 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 92.47 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 92.47 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 92.47 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 92.47 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 92.47 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 92.47 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 92.47 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 92.47 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 92.47 | 0.0011 | ND | 2 |
| Endosulfan-Sulfate | 1 | 92.47 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 92.47 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 92.47 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 92.47 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 92.47 | 0.0117 | ND | 0.49 |
| Arochlor 1221 | 1 | 92.47 | 0.0215 | ND | 0.49 |
| Arochlor 1232 | 1 | 92.47 | 0.0146 | ND | 0.49 |
| Arochlor 1242 | 1 | 92.47 | 0.0167 | ND | 0.49 |
| Arochlor 1248 | 1 | 92.47 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 92.47 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 92.47 | 0.0038 | 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 # :** | 3722.15 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 7/13/98 |
| | Bldg. 173 | **Extraction Date:** | 7/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/22/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-179 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 96.13 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 96.13 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 96.13 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 96.13 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 96.13 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 96.13 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 96.13 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 96.13 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 96.13 | 0.0004 | 0.002 | 2 |
| Dieldrin | 1 | 96.13 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 96.13 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 96.13 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 96.13 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 96.13 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 96.13 | 0.0011 | 0.002 | 2 |
| Endosulfan-Sulfate | 1 | 96.13 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 96.13 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 96.13 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 96.13 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 96.13 | 0.0114 | ND | 0.49 |
| Arochlor 1221 | 1 | 96.13 | 0.0209 | ND | 0.49 |
| Arochlor 1232 | 1 | 96.13 | 0.0142 | ND | 0.49 |
| Arochlor 1242 | 1 | 96.13 | 0.0162 | ND | 0.49 |
| Arochlor 1248 | 1 | 96.13 | 0.0065 | ND | 0.49 |
| Arochlor 1254 | 1 | 96.13 | 0.0041 | ND | 0.49 |
| Arochlor 1260 | 1 | 96.13 | 0.0037 | 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 # :** | 3722.18 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 7/13/98 |
| | Bldg. 173 | **Extraction Date:** | 7/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/22/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-180 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 94.20 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 94.20 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 94.20 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 94.20 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 94.20 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 94.20 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 94.20 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 94.20 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 94.20 | 0.0004 | 0.006 | 2 |
| Dieldrin | 1 | 94.20 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 94.20 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 94.20 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 94.20 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 94.20 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 94.20 | 0.0012 | 0.009 | 2 |
| Endosulfan-Sulfate | 1 | 94.20 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 94.20 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 94.20 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 94.20 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 94.20 | 0.0118 | ND | 0.49 |
| Arochlor 1221 | 1 | 94.20 | 0.0217 | ND | 0.49 |
| Arochlor 1232 | 1 | 94.20 | 0.0147 | ND | 0.49 |
| Arochlor 1242 | 1 | 94.20 | 0.0168 | ND | 0.49 |
| Arochlor 1248 | 1 | 94.20 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 94.20 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 94.20 | 0.0038 | 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 # :** | 3722.21 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 7/13/98 |
| | Bldg. 173 | **Extraction Date:** | 7/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/22/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-181 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 89.06 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 89.06 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 89.06 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 89.06 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 89.06 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 89.06 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 89.06 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 89.06 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 89.06 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 89.06 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 89.06 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 89.06 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 89.06 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 89.06 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 89.06 | 0.0012 | ND | 2 |
| Endosulfan-Sulfate | 1 | 89.06 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 89.06 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 89.06 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 89.06 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 89.06 | 0.0124 | ND | 0.49 |
| Arochlor 1221 | 1 | 89.06 | 0.0228 | ND | 0.49 |
| Arochlor 1232 | 1 | 89.06 | 0.0155 | ND | 0.49 |
| Arochlor 1242 | 1 | 89.06 | 0.0177 | ND | 0.49 |
| Arochlor 1248 | 1 | 89.06 | 0.0071 | ND | 0.49 |
| Arochlor 1254 | 1 | 89.06 | 0.0044 | ND | 0.49 |
| Arochlor 1260 | 1 | 89.06 | 0.0040 | 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 # :** | 3805.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/12/98 |
| | Bldg. 173 | **Extraction Date:** | 8/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/23/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-197 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 89.87 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 89.87 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 89.87 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 89.87 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 89.87 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 89.87 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 89.87 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 89.87 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 89.87 | 0.0004 | 0.033 | 2 |
| Dieldrin | 1 | 89.87 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 89.87 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 89.87 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 89.87 | 0.0007 | 0.001 | 3 |
| Endrin Aldehyde | 1 | 89.87 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 89.87 | 0.0012 | 0.015 | 2 |
| Endosulfan-Sulfate | 1 | 89.87 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 89.87 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 89.87 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 89.87 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 89.87 | 0.0122 | ND | 0.49 |
| Arochlor 1221 | 1 | 89.87 | 0.0225 | ND | 0.49 |
| Arochlor 1232 | 1 | 89.87 | 0.0153 | ND | 0.49 |
| Arochlor 1242 | 1 | 89.87 | 0.0175 | ND | 0.49 |
| Arochlor 1248 | 1 | 89.87 | 0.0070 | ND | 0.49 |
| Arochlor 1254 | 1 | 89.87 | 0.0044 | ND | 0.49 |
| Arochlor 1260 | 1 | 89.87 | 0.0039 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3805.04 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/12/98 |
| | Bldg. 173 | **Extraction Date:** | 8/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/23/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-198 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 92.46 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 92.46 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 92.46 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 92.46 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 92.46 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 92.46 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 92.46 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 92.46 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 92.46 | 0.0004 | 0.017 | 2 |
| Dieldrin | 1 | 92.46 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 92.46 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 92.46 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 92.46 | 0.0006 | 0.001 | 3 |
| Endrin Aldehyde | 1 | 92.46 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 92.46 | 0.0011 | 0.019 | 2 |
| Endosulfan-Sulfate | 1 | 92.46 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 92.46 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 92.46 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 92.46 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 92.46 | 0.0111 | ND | 0.49 |
| Arochlor 1221 | 1 | 92.46 | 0.0204 | ND | 0.49 |
| Arochlor 1232 | 1 | 92.46 | 0.0139 | ND | 0.49 |
| Arochlor 1242 | 1 | 92.46 | 0.0159 | ND | 0.49 |
| Arochlor 1248 | 1 | 92.46 | 0.0063 | ND | 0.49 |
| Arochlor 1254 | 1 | 92.46 | 0.0040 | ND | 0.49 |
| Arochlor 1260 | 1 | 92.46 | 0.0036 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3805.06 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/12/98 |
| | Bldg. 173 | **Extraction Date:** | 8/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 8/23/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-199 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 79.16 | 0.0004 | ND | NLE |
| beta-BHC | 1 | 79.16 | 0.0004 | ND | NLE |
| gamma-BHC | 1 | 79.16 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 79.16 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 79.16 | 0.0004 | ND | 0.15 |
| Aldrin | 1 | 79.16 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 79.16 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 79.16 | 0.0006 | ND | NLE |
| 4,4'-DDE | 10 | 79.16 | 0.0049 | 0.260 | 2 |
| Dieldrin | 1 | 79.16 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 79.16 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 79.16 | 0.0005 | ND | NLE |
| 4,4'-DDD | 1 | 79.16 | 0.0007 | 0.116 | 3 |
| Endrin Aldehyde | 1 | 79.16 | 0.0006 | ND | NLE |
| 4,4'-DDT | 10 | 79.16 | 0.0134 | 1.321 | 2 |
| Endosulfan-Sulfate | 1 | 79.16 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 79.16 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 79.16 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 79.16 | 0.0004 | ND | 0.1 |
| Arochlor 1016 | 1 | 79.16 | 0.0136 | ND | 0.49 |
| Arochlor 1221 | 1 | 79.16 | 0.0250 | ND | 0.49 |
| Arochlor 1232 | 1 | 79.16 | 0.0170 | ND | 0.49 |
| Arochlor 1242 | 1 | 79.16 | 0.0195 | ND | 0.49 |
| Arochlor 1248 | 1 | 79.16 | 0.0078 | ND | 0.49 |
| Arochlor 1254 | 1 | 79.16 | 0.0049 | ND | 0.49 |
| Arochlor 1260 | 1 | 79.16 | 0.0044 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3805.08 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/12/98 |
| | Bldg. 173 | **Extraction Date:** | 8/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/10/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-200 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 89.98 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 89.98 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 89.98 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 89.98 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 89.98 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 89.98 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 89.98 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 89.98 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 89.98 | 0.0004 | 0.010 | 2 |
| Dieldrin | 1 | 89.98 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 89.98 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 89.98 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 89.98 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 89.98 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 89.98 | 0.0012 | 0.010 | 2 |
| Endosulfan-Sulfate | 1 | 89.98 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 89.98 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 89.98 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 89.98 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 89.98 | 0.0123 | ND | 0.49 |
| Arochlor 1221 | 1 | 89.98 | 0.0226 | ND | 0.49 |
| Arochlor 1232 | 1 | 89.98 | 0.0154 | ND | 0.49 |
| Arochlor 1242 | 1 | 89.98 | 0.0176 | ND | 0.49 |
| Arochlor 1248 | 1 | 89.98 | 0.0070 | ND | 0.49 |
| Arochlor 1254 | 1 | 89.98 | 0.0044 | ND | 0.49 |
| Arochlor 1260 | 1 | 89.98 | 0.0040 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3805.10 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/12/98 |
| | Bldg. 173 | **Extraction Date:** | 8/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/10/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-201 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 82.68 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 82.68 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 82.68 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 82.68 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 82.68 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 82.68 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 82.68 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 82.68 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 82.68 | 0.0005 | 0.047 | 2 |
| Dieldrin | 1 | 82.68 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 82.68 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 82.68 | 0.0005 | ND | NLE |
| 4,4'-DDD | 1 | 82.68 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 82.68 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 82.68 | 0.0013 | ND | 2 |
| Endosulfan-Sulfate | 1 | 82.68 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 82.68 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 82.68 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 82.68 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 82.68 | 0.0129 | ND | 0.49 |
| Arochlor 1221 | 1 | 82.68 | 0.0238 | ND | 0.49 |
| Arochlor 1232 | 1 | 82.68 | 0.0161 | ND | 0.49 |
| Arochlor 1242 | 1 | 82.68 | 0.0184 | ND | 0.49 |
| Arochlor 1248 | 1 | 82.68 | 0.0074 | ND | 0.49 |
| Arochlor 1254 | 1 | 82.68 | 0.0046 | 1.499 | 0.49 |
| Arochlor 1260 | 1 | 82.68 | 0.0042 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3805.12 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/12/98 |
| | Bldg. 173 | **Extraction Date:** | 8/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/10/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-202 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 92.77 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 92.77 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 92.77 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 92.77 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 92.77 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 92.77 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 92.77 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 92.77 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 92.77 | 0.0004 | 0.016 | 2 |
| Dieldrin | 1 | 92.77 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 92.77 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 92.77 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 92.77 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 92.77 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 92.77 | 0.0011 | 0.054 | 2 |
| Endosulfan-Sulfate | 1 | 92.77 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 92.77 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 92.77 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 92.77 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 92.77 | 0.0115 | ND | 0.49 |
| Arochlor 1221 | 1 | 92.77 | 0.0212 | ND | 0.49 |
| Arochlor 1232 | 1 | 92.77 | 0.0144 | ND | 0.49 |
| Arochlor 1242 | 1 | 92.77 | 0.0164 | ND | 0.49 |
| Arochlor 1248 | 1 | 92.77 | 0.0066 | ND | 0.49 |
| Arochlor 1254 | 1 | 92.77 | 0.0041 | ND | 0.49 |
| Arochlor 1260 | 1 | 92.77 | 0.0037 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3805.14 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/12/98 |
| | Bldg. 173 | **Extraction Date:** | 8/13/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/10/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-203 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 92.72 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 92.72 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 92.72 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 92.72 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 92.72 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 92.72 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 92.72 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 92.72 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 92.72 | 0.0004 | 0.102 | 2 |
| Dieldrin | 1 | 92.72 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 92.72 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 92.72 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 92.72 | 0.0006 | 0.031 | 3 |
| Endrin Aldehyde | 1 | 92.72 | 0.0005 | ND | NLE |
| 4,4'-DDT | 10 | 92.72 | 0.0117 | 0.340 | 2 |
| Endosulfan-Sulfate | 1 | 92.72 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 92.72 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 92.72 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 92.72 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 92.72 | 0.0119 | ND | 0.49 |
| Arochlor 1221 | 1 | 92.72 | 0.0218 | ND | 0.49 |
| Arochlor 1232 | 1 | 92.72 | 0.0148 | ND | 0.49 |
| Arochlor 1242 | 1 | 92.72 | 0.0170 | ND | 0.49 |
| Arochlor 1248 | 1 | 92.72 | 0.0068 | ND | 0.49 |
| Arochlor 1254 | 1 | 92.72 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 92.72 | 0.0038 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3805.16 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/12/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/10/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-204 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 89.00 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 89.00 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 89.00 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 89.00 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 89.00 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 89.00 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 89.00 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 89.00 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 89.00 | 0.0005 | 0.024 | 2 |
| Dieldrin | 1 | 89.00 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 89.00 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 89.00 | 0.0005 | ND | NLE |
| 4,4'-DDD | 1 | 89.00 | 0.0007 | 0.004 | 3 |
| Endrin Aldehyde | 1 | 89.00 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 89.00 | 0.0012 | 0.019 | 2 |
| Endosulfan-Sulfate | 1 | 89.00 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 89.00 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 89.00 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 89.00 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 89.00 | 0.0126 | ND | 0.49 |
| Arochlor 1221 | 1 | 89.00 | 0.0232 | ND | 0.49 |
| Arochlor 1232 | 1 | 89.00 | 0.0158 | ND | 0.49 |
| Arochlor 1242 | 1 | 89.00 | 0.0180 | ND | 0.49 |
| Arochlor 1248 | 1 | 89.00 | 0.0072 | ND | 0.49 |
| Arochlor 1254 | 1 | 89.00 | 0.0045 | ND | 0.49 |
| Arochlor 1260 | 1 | 89.00 | 0.0041 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3805.18 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/12/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/11/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-205 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 88.64 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 88.64 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 88.64 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 88.64 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 88.64 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 88.64 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 88.64 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 88.64 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 88.64 | 0.0004 | ND | 2 |
| Dieldrin | 1 | 88.64 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 88.64 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 88.64 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 88.64 | 0.0006 | ND | 3 |
| Endrin Aldehyde | 1 | 88.64 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 88.64 | 0.0011 | ND | 2 |
| Endosulfan-Sulfate | 1 | 88.64 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 88.64 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 88.64 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 88.64 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 88.64 | 0.0114 | ND | 0.49 |
| Arochlor 1221 | 1 | 88.64 | 0.0210 | ND | 0.49 |
| Arochlor 1232 | 1 | 88.64 | 0.0143 | ND | 0.49 |
| Arochlor 1242 | 1 | 88.64 | 0.0163 | ND | 0.49 |
| Arochlor 1248 | 1 | 88.64 | 0.0065 | ND | 0.49 |
| Arochlor 1254 | 1 | 88.64 | 0.0041 | ND | 0.49 |
| Arochlor 1260 | 1 | 88.64 | 0.0037 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3805.20 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/12/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/11/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-206 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 82.69 | 0.0004 | ND | NLE |
| beta-BHC | 1 | 82.69 | 0.0004 | ND | NLE |
| gamma-BHC | 1 | 82.69 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 82.69 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 82.69 | 0.0004 | ND | 0.15 |
| Aldrin | 1 | 82.69 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 82.69 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 82.69 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 82.69 | 0.0005 | 0.004 | 2 |
| Dieldrin | 1 | 82.69 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 82.69 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 82.69 | 0.0005 | ND | NLE |
| 4,4'-DDD | 1 | 82.69 | 0.0007 | 0.003 | 3 |
| Endrin Aldehyde | 1 | 82.69 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 82.69 | 0.0013 | 0.003 | 2 |
| Endosulfan-Sulfate | 1 | 82.69 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 82.69 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 82.69 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 82.69 | 0.0004 | ND | 0.1 |
| Arochlor 1016 | 1 | 82.69 | 0.0132 | ND | 0.49 |
| Arochlor 1221 | 1 | 82.69 | 0.0243 | ND | 0.49 |
| Arochlor 1232 | 1 | 82.69 | 0.0165 | ND | 0.49 |
| Arochlor 1242 | 1 | 82.69 | 0.0189 | ND | 0.49 |
| Arochlor 1248 | 1 | 82.69 | 0.0075 | ND | 0.49 |
| Arochlor 1254 | 1 | 82.69 | 0.0047 | ND | 0.49 |
| Arochlor 1260 | 1 | 82.69 | 0.0042 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3805.22 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/12/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/11/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-207 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 86.53 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 86.53 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 86.53 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 86.53 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 86.53 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 86.53 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 86.53 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 86.53 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 86.53 | 0.0005 | ND | 2 |
| Dieldrin | 1 | 86.53 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 86.53 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 86.53 | 0.0005 | ND | NLE |
| 4,4'-DDD | 1 | 86.53 | 0.0007 | ND | 3 |
| Endrin Aldehyde | 1 | 86.53 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 86.53 | 0.0013 | ND | 2 |
| Endosulfan-Sulfate | 1 | 86.53 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 86.53 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 86.53 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 86.53 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 86.53 | 0.0129 | ND | 0.49 |
| Arochlor 1221 | 1 | 86.53 | 0.0238 | ND | 0.49 |
| Arochlor 1232 | 1 | 86.53 | 0.0162 | ND | 0.49 |
| Arochlor 1242 | 1 | 86.53 | 0.0185 | ND | 0.49 |
| Arochlor 1248 | 1 | 86.53 | 0.0074 | ND | 0.49 |
| Arochlor 1254 | 1 | 86.53 | 0.0046 | 0.165 | 0.49 |
| Arochlor 1260 | 1 | 86.53 | 0.0042 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3805.24 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/12/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/11/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-208 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 79.60 | 0.0004 | ND | NLE |
| beta-BHC | 1 | 79.60 | 0.0004 | ND | NLE |
| gamma-BHC | 1 | 79.60 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 79.60 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 79.60 | 0.0004 | ND | 0.15 |
| Aldrin | 1 | 79.60 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 79.60 | 0.0008 | ND | NLE |
| Endosulfan I | 1 | 79.60 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 79.60 | 0.0005 | 0.005 | 2 |
| Dieldrin | 1 | 79.60 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 79.60 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 79.60 | 0.0005 | ND | NLE |
| 4,4'-DDD | 1 | 79.60 | 0.0008 | ND | 3 |
| Endrin Aldehyde | 1 | 79.60 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1 | 79.60 | 0.0014 | 0.006 | 2 |
| Endosulfan-Sulfate | 1 | 79.60 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 79.60 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 79.60 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 79.60 | 0.0004 | ND | 0.1 |
| Arochlor 1016 | 1 | 79.60 | 0.0141 | ND | 0.49 |
| Arochlor 1221 | 1 | 79.60 | 0.0259 | ND | 0.49 |
| Arochlor 1232 | 1 | 79.60 | 0.0176 | ND | 0.49 |
| Arochlor 1242 | 1 | 79.60 | 0.0201 | ND | 0.49 |
| Arochlor 1248 | 1 | 79.60 | 0.0080 | ND | 0.49 |
| Arochlor 1254 | 1 | 79.60 | 0.0050 | ND | 0.49 |
| Arochlor 1260 | 1 | 79.60 | 0.0045 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3805.26 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/12/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/11/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-209 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 96.69 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 96.69 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 96.69 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 96.69 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 96.69 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 96.69 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 96.69 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 96.69 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 96.69 | 0.0004 | 0.028 | 2 |
| Dieldrin | 1 | 96.69 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 96.69 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 96.69 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 96.69 | 0.0006 | 0.025 | 3 |
| Endrin Aldehyde | 1 | 96.69 | 0.0005 | ND | NLE |
| 4,4'-DDT | 2 | 96.69 | 0.0021 | 0.167 | 2 |
| Endosulfan-Sulfate | 1 | 96.69 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 96.69 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 96.69 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 96.69 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 96.69 | 0.0105 | ND | 0.49 |
| Arochlor 1221 | 1 | 96.69 | 0.0193 | ND | 0.49 |
| Arochlor 1232 | 1 | 96.69 | 0.0131 | ND | 0.49 |
| Arochlor 1242 | 1 | 96.69 | 0.0150 | ND | 0.49 |
| Arochlor 1248 | 1 | 96.69 | 0.0060 | ND | 0.49 |
| Arochlor 1254 | 1 | 96.69 | 0.0037 | ND | 0.49 |
| Arochlor 1260 | 1 | 96.69 | 0.0034 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3805.28 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/12/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/11/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-210 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 94.39 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 94.39 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 94.39 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 94.39 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 94.39 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 94.39 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 94.39 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 94.39 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 94.39 | 0.0004 | 0.057 | 2 |
| Dieldrin | 1 | 94.39 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 94.39 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 94.39 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 94.39 | 0.0006 | 0.014 | 3 |
| Endrin Aldehyde | 1 | 94.39 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 94.39 | 0.0011 | 0.025 | 2 |
| Endosulfan-Sulfate | 1 | 94.39 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 94.39 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 94.39 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 94.39 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 94.39 | 0.0114 | ND | 0.49 |
| Arochlor 1221 | 1 | 94.39 | 0.0210 | ND | 0.49 |
| Arochlor 1232 | 1 | 94.39 | 0.0142 | ND | 0.49 |
| Arochlor 1242 | 1 | 94.39 | 0.0163 | ND | 0.49 |
| Arochlor 1248 | 1 | 94.39 | 0.0065 | ND | 0.49 |
| Arochlor 1254 | 1 | 94.39 | 0.0041 | ND | 0.49 |
| Arochlor 1260 | 1 | 94.39 | 0.0037 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3805.30 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/12/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/11/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-211 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 95.10 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 95.10 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 95.10 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 95.10 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 95.10 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 95.10 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 95.10 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 95.10 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 95.10 | 0.0004 | 0.057 | 2 |
| Dieldrin | 1 | 95.10 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 95.10 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 95.10 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 95.10 | 0.0006 | 0.008 | 3 |
| Endrin Aldehyde | 1 | 95.10 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 95.10 | 0.0012 | 0.014 | 2 |
| Endosulfan-Sulfate | 1 | 95.10 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 95.10 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 95.10 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 95.10 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 95.10 | 0.0119 | ND | 0.49 |
| Arochlor 1221 | 1 | 95.10 | 0.0219 | ND | 0.49 |
| Arochlor 1232 | 1 | 95.10 | 0.0149 | ND | 0.49 |
| Arochlor 1242 | 1 | 95.10 | 0.0170 | ND | 0.49 |
| Arochlor 1248 | 1 | 95.10 | 0.0068 | ND | 0.49 |
| Arochlor 1254 | 1 | 95.10 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 95.10 | 0.0038 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3809.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/10/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/22/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-212 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 83.77 | 0.0004 | ND | NLE |
| beta-BHC | 1 | 83.77 | 0.0004 | 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 | 0.0004 | 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 | ND | 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 | 0.0004 | ND | 0.1 |
| Arochlor 1016 | 1 | 83.77 | 0.0134 | ND | 0.49 |
| Arochlor 1221 | 1 | 83.77 | 0.0247 | ND | 0.49 |
| Arochlor 1232 | 1 | 83.77 | 0.0168 | ND | 0.49 |
| Arochlor 1242 | 1 | 83.77 | 0.0192 | ND | 0.49 |
| Arochlor 1248 | 1 | 83.77 | 0.0077 | ND | 0.49 |
| Arochlor 1254 | 1 | 83.77 | 0.0048 | ND | 0.49 |
| Arochlor 1260 | 1 | 83.77 | 0.0043 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3809.04 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/10/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/22/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-213 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 10 | 78.40 | 0.0035 | ND | NLE |
| beta-BHC | 10 | 78.40 | 0.0035 | ND | NLE |
| gamma-BHC | 10 | 78.40 | 0.0046 | ND | 0.52 |
| delta-BHC | 10 | 78.40 | 0.0046 | ND | NLE |
| Heptachlor | 10 | 78.40 | 0.0035 | ND | 0.15 |
| Aldrin | 10 | 78.40 | 0.0046 | ND | 0.04 |
| Heptachlor Epoxide | 10 | 78.40 | 0.0070 | ND | NLE |
| Endosulfan I | 10 | 78.40 | 0.0058 | ND | NLE |
| 4,4'-DDE | 10 | 78.40 | 0.0046 | 0.473 | 2 |
| Dieldrin | 10 | 78.40 | 0.0058 | ND | 0.042 |
| Endrin | 10 | 78.40 | 0.0058 | ND | 17 |
| Endosulfan II | 10 | 78.40 | 0.0046 | ND | NLE |
| 4,4'-DDD | 10 | 78.40 | 0.0070 | 0.814 | 3 |
| Endrin Aldehyde | 10 | 78.40 | 0.0058 | ND | NLE |
| 4,4'-DDT | 10 | 78.40 | 0.0128 | 1.042 | 2 |
| Endosulfan-Sulfate | 10 | 78.40 | 0.0046 | ND | NLE |
| gamma -Chlordane | 10 | 78.40 | 0.0058 | ND | NLE |
| alpha-Chlordane | 10 | 78.40 | 0.0058 | ND | NLE |
| Toxaphene | 10 | 78.40 | 0.0035 | ND | 0.1 |
| Arochlor 1016 | 10 | 78.40 | 0.1299 | ND | 0.49 |
| Arochlor 1221 | 10 | 78.40 | 0.2389 | ND | 0.49 |
| Arochlor 1232 | 10 | 78.40 | 0.1623 | ND | 0.49 |
| Arochlor 1242 | 10 | 78.40 | 0.1855 | ND | 0.49 |
| Arochlor 1248 | 10 | 78.40 | 0.0742 | ND | 0.49 |
| Arochlor 1254 | 10 | 78.40 | 0.0464 | ND | 0.49 |
| Arochlor 1260 | 10 | 78.40 | 0.0417 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3809.06 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/10/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/22/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-214 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 10 | 87.17 | 0.0034 | ND | NLE |
| beta-BHC | 10 | 87.17 | 0.0034 | ND | NLE |
| gamma-BHC | 10 | 87.17 | 0.0045 | ND | 0.52 |
| delta-BHC | 10 | 87.17 | 0.0045 | ND | NLE |
| Heptachlor | 10 | 87.17 | 0.0034 | ND | 0.15 |
| Aldrin | 10 | 87.17 | 0.0045 | ND | 0.04 |
| Heptachlor Epoxide | 10 | 87.17 | 0.0067 | ND | NLE |
| Endosulfan I | 10 | 87.17 | 0.0056 | ND | NLE |
| 4,4'-DDE | 10 | 87.17 | 0.0045 | 0.313 | 2 |
| Dieldrin | 10 | 87.17 | 0.0056 | ND | 0.042 |
| Endrin | 10 | 87.17 | 0.0056 | ND | 17 |
| Endosulfan II | 10 | 87.17 | 0.0045 | ND | NLE |
| 4,4'-DDD | 10 | 87.17 | 0.0067 | 0.214 | 3 |
| Endrin Aldehyde | 10 | 87.17 | 0.0056 | ND | NLE |
| 4,4'-DDT | 100 | 87.17 | 0.1236 | 0.463 | 2 |
| Endosulfan-Sulfate | 10 | 87.17 | 0.0045 | ND | NLE |
| gamma -Chlordane | 10 | 87.17 | 0.0056 | ND | NLE |
| alpha-Chlordane | 10 | 87.17 | 0.0056 | ND | NLE |
| Toxaphene | 10 | 87.17 | 0.0034 | ND | 0.1 |
| Arochlor 1016 | 10 | 87.17 | 0.1258 | ND | 0.49 |
| Arochlor 1221 | 10 | 87.17 | 0.2315 | ND | 0.49 |
| Arochlor 1232 | 10 | 87.17 | 0.1573 | ND | 0.49 |
| Arochlor 1242 | 10 | 87.17 | 0.1798 | ND | 0.49 |
| Arochlor 1248 | 10 | 87.17 | 0.0719 | ND | 0.49 |
| Arochlor 1254 | 10 | 87.17 | 0.0449 | ND | 0.49 |
| Arochlor 1260 | 10 | 87.17 | 0.0404 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3809.08 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/10/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/22/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-215 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 94.34 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 94.34 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 94.34 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 94.34 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 94.34 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 94.34 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 94.34 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 94.34 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 94.34 | 0.0004 | 0.013 | 2 |
| Dieldrin | 1 | 94.34 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 94.34 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 94.34 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 94.34 | 0.0006 | 0.004 | 3 |
| Endrin Aldehyde | 1 | 94.34 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 94.34 | 0.0011 | 0.015 | 2 |
| Endosulfan-Sulfate | 1 | 94.34 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 94.34 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 94.34 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 94.34 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 94.34 | 0.0114 | ND | 0.49 |
| Arochlor 1221 | 1 | 94.34 | 0.0209 | ND | 0.49 |
| Arochlor 1232 | 1 | 94.34 | 0.0142 | ND | 0.49 |
| Arochlor 1242 | 1 | 94.34 | 0.0162 | ND | 0.49 |
| Arochlor 1248 | 1 | 94.34 | 0.0065 | ND | 0.49 |
| Arochlor 1254 | 1 | 94.34 | 0.0041 | ND | 0.49 |
| Arochlor 1260 | 1 | 94.34 | 0.0037 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3809.10 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/10/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/22/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-216 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 94.40 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 94.40 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 94.40 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 94.40 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 94.40 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 94.40 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 94.40 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 94.40 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 94.40 | 0.0004 | 0.088 | 2 |
| Dieldrin | 1 | 94.40 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 94.40 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 94.40 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 94.40 | 0.0006 | 0.008 | 3 |
| Endrin Aldehyde | 1 | 94.40 | 0.0005 | ND | NLE |
| 4,4'-DDT | 5 | 94.40 | 0.0056 | 0.106 | 2 |
| Endosulfan-Sulfate | 1 | 94.40 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 94.40 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 94.40 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 94.40 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 94.40 | 0.0115 | ND | 0.49 |
| Arochlor 1221 | 1 | 94.40 | 0.0211 | ND | 0.49 |
| Arochlor 1232 | 1 | 94.40 | 0.0143 | ND | 0.49 |
| Arochlor 1242 | 1 | 94.40 | 0.0164 | ND | 0.49 |
| Arochlor 1248 | 1 | 94.40 | 0.0065 | ND | 0.49 |
| Arochlor 1254 | 1 | 94.40 | 0.0041 | ND | 0.49 |
| Arochlor 1260 | 1 | 94.40 | 0.0037 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3809.12 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/10/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/22/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-217 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 93.08 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 93.08 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 93.08 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 93.08 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 93.08 | 0.0003 | 0.004 | 0.15 |
| Aldrin | 1 | 93.08 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 93.08 | 0.0006 | 0.023 | NLE |
| Endosulfan I | 1 | 93.08 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 93.08 | 0.0004 | 0.013 | 2 |
| Dieldrin | 1 | 93.08 | 0.0005 | 0.004 | 0.042 |
| Endrin | 1 | 93.08 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 93.08 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 93.08 | 0.0006 | 0.012 | 3 |
| Endrin Aldehyde | 1 | 93.08 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 93.08 | 0.0011 | 0.039 | 2 |
| Endosulfan-Sulfate | 1 | 93.08 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 93.08 | 0.0005 | 0.004 | NLE |
| alpha-Chlordane | 1 | 93.08 | 0.0005 | 0.001 | NLE |
| Toxaphene | 1 | 93.08 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 93.08 | 0.0112 | ND | 0.49 |
| Arochlor 1221 | 1 | 93.08 | 0.0207 | ND | 0.49 |
| Arochlor 1232 | 1 | 93.08 | 0.0141 | ND | 0.49 |
| Arochlor 1242 | 1 | 93.08 | 0.0161 | ND | 0.49 |
| Arochlor 1248 | 1 | 93.08 | 0.0064 | ND | 0.49 |
| Arochlor 1254 | 1 | 93.08 | 0.0040 | ND | 0.49 |
| Arochlor 1260 | 1 | 93.08 | 0.0036 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3809.14 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/10/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/22/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-218 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 10 | 94.48 | 0.0030 | ND | NLE |
| beta-BHC | 10 | 94.48 | 0.0030 | ND | NLE |
| gamma-BHC | 10 | 94.48 | 0.0039 | ND | 0.52 |
| delta-BHC | 10 | 94.48 | 0.0039 | ND | NLE |
| Heptachlor | 10 | 94.48 | 0.0030 | ND | 0.15 |
| Aldrin | 10 | 94.48 | 0.0039 | ND | 0.04 |
| Heptachlor Epoxide | 10 | 94.48 | 0.0059 | ND | NLE |
| Endosulfan I | 10 | 94.48 | 0.0049 | ND | NLE |
| 4,4'-DDE | 10 | 94.48 | 0.0039 | 0.315 | 2 |
| Dieldrin | 10 | 94.48 | 0.0049 | ND | 0.042 |
| Endrin | 10 | 94.48 | 0.0049 | ND | 17 |
| Endosulfan II | 10 | 94.48 | 0.0039 | ND | NLE |
| 4,4'-DDD | 10 | 94.48 | 0.0059 | 0.170 | 3 |
| Endrin Aldehyde | 10 | 94.48 | 0.0049 | ND | NLE |
| 4,4'-DDT | 10 | 94.48 | 0.0108 | 0.444 | 2 |
| Endosulfan-Sulfate | 10 | 94.48 | 0.0039 | ND | NLE |
| gamma -Chlordane | 10 | 94.48 | 0.0049 | ND | NLE |
| alpha-Chlordane | 10 | 94.48 | 0.0049 | ND | NLE |
| Toxaphene | 10 | 94.48 | 0.0030 | ND | 0.1 |
| Arochlor 1016 | 10 | 94.48 | 0.1102 | ND | 0.49 |
| Arochlor 1221 | 10 | 94.48 | 0.2026 | ND | 0.49 |
| Arochlor 1232 | 10 | 94.48 | 0.1377 | ND | 0.49 |
| Arochlor 1242 | 10 | 94.48 | 0.1574 | ND | 0.49 |
| Arochlor 1248 | 10 | 94.48 | 0.0630 | ND | 0.49 |
| Arochlor 1254 | 10 | 94.48 | 0.0393 | ND | 0.49 |
| Arochlor 1260 | 10 | 94.48 | 0.0354 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3809.16 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/10/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/22/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-219 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 10 | 93.99 | 0.0030 | ND | NLE |
| beta-BHC | 10 | 93.99 | 0.0030 | ND | NLE |
| gamma-BHC | 10 | 93.99 | 0.0040 | ND | 0.52 |
| delta-BHC | 10 | 93.99 | 0.0040 | ND | NLE |
| Heptachlor | 10 | 93.99 | 0.0030 | ND | 0.15 |
| Aldrin | 10 | 93.99 | 0.0040 | ND | 0.04 |
| Heptachlor Epoxide | 10 | 93.99 | 0.0060 | ND | NLE |
| Endosulfan I | 10 | 93.99 | 0.0050 | ND | NLE |
| 4,4'-DDE | 10 | 93.99 | 0.0040 | 0.233 | 2 |
| Dieldrin | 10 | 93.99 | 0.0050 | ND | 0.042 |
| Endrin | 10 | 93.99 | 0.0050 | ND | 17 |
| Endosulfan II | 10 | 93.99 | 0.0040 | ND | NLE |
| 4,4'-DDD | 10 | 93.99 | 0.0060 | 0.082 | 3 |
| Endrin Aldehyde | 10 | 93.99 | 0.0050 | ND | NLE |
| 4,4'-DDT | 10 | 93.99 | 0.0110 | 0.472 | 2 |
| Endosulfan-Sulfate | 10 | 93.99 | 0.0040 | ND | NLE |
| gamma -Chlordane | 10 | 93.99 | 0.0050 | ND | NLE |
| alpha-Chlordane | 10 | 93.99 | 0.0050 | ND | NLE |
| Toxaphene | 10 | 93.99 | 0.0030 | ND | 0.1 |
| Arochlor 1016 | 10 | 93.99 | 0.1119 | ND | 0.49 |
| Arochlor 1221 | 10 | 93.99 | 0.2058 | ND | 0.49 |
| Arochlor 1232 | 10 | 93.99 | 0.1399 | ND | 0.49 |
| Arochlor 1242 | 10 | 93.99 | 0.1598 | ND | 0.49 |
| Arochlor 1248 | 10 | 93.99 | 0.0639 | ND | 0.49 |
| Arochlor 1254 | 10 | 93.99 | 0.0400 | ND | 0.49 |
| Arochlor 1260 | 10 | 93.99 | 0.0360 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3809.18 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/10/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/22/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-220 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 95.20 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 95.20 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 95.20 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 95.20 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 95.20 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 95.20 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 95.20 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 95.20 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 95.20 | 0.0004 | 0.104 | 2 |
| Dieldrin | 1 | 95.20 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 95.20 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 95.20 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 95.20 | 0.0006 | 0.021 | 3 |
| Endrin Aldehyde | 1 | 95.20 | 0.0005 | ND | NLE |
| 4,4'-DDT | 5 | 95.20 | 0.0058 | 0.150 | 2 |
| Endosulfan-Sulfate | 1 | 95.20 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 95.20 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 95.20 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 95.20 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 95.20 | 0.0118 | ND | 0.49 |
| Arochlor 1221 | 1 | 95.20 | 0.0218 | ND | 0.49 |
| Arochlor 1232 | 1 | 95.20 | 0.0148 | ND | 0.49 |
| Arochlor 1242 | 1 | 95.20 | 0.0169 | ND | 0.49 |
| Arochlor 1248 | 1 | 95.20 | 0.0068 | ND | 0.49 |
| Arochlor 1254 | 1 | 95.20 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 95.20 | 0.0038 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3809.20 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/10/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/23/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-221 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 88.54 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 88.54 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 88.54 | 0.0005 | ND | 0.52 |
| delta-BHC | 1 | 88.54 | 0.0005 | ND | NLE |
| Heptachlor | 1 | 88.54 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 88.54 | 0.0005 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 88.54 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 88.54 | 0.0006 | ND | NLE |
| 4,4'-DDE | 200 | 88.54 | 0.0907 | 0.433 | 2 |
| Dieldrin | 1 | 88.54 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 88.54 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 88.54 | 0.0005 | ND | NLE |
| 4,4'-DDD | 200 | 88.54 | 0.1361 | 2.225 | 3 |
| Endrin Aldehyde | 1 | 88.54 | 0.0006 | ND | NLE |
| 4,4'-DDT | 200 | 88.54 | 0.2495 | 5.604 | 2 |
| Endosulfan-Sulfate | 1 | 88.54 | 0.0005 | ND | NLE |
| gamma -Chlordane | 1 | 88.54 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 88.54 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 88.54 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 88.54 | 0.0127 | ND | 0.49 |
| Arochlor 1221 | 1 | 88.54 | 0.0234 | ND | 0.49 |
| Arochlor 1232 | 1 | 88.54 | 0.0159 | ND | 0.49 |
| Arochlor 1242 | 1 | 88.54 | 0.0181 | ND | 0.49 |
| Arochlor 1248 | 1 | 88.54 | 0.0073 | ND | 0.49 |
| Arochlor 1254 | 1 | 88.54 | 0.0045 | ND | 0.49 |
| Arochlor 1260 | 1 | 88.54 | 0.0041 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3809.22 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/10/98 |
| | Bldg. 173 | **Extraction Date:** | 8/14/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/23/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-222 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 86.96 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 86.96 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 86.96 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 86.96 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 86.96 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 86.96 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 86.96 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 86.96 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1 | 86.96 | 0.0004 | 0.068 | 2 |
| Dieldrin | 1 | 86.96 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 86.96 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 86.96 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 86.96 | 0.0007 | 0.030 | 3 |
| Endrin Aldehyde | 1 | 86.96 | 0.0006 | ND | NLE |
| 4,4'-DDT | 20 | 86.96 | 0.0243 | 0.427 | 2 |
| Endosulfan-Sulfate | 1 | 86.96 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 86.96 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 86.96 | 0.0006 | ND | NLE |
| Toxaphene | 1 | 86.96 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 86.96 | 0.0124 | ND | 0.49 |
| Arochlor 1221 | 1 | 86.96 | 0.0228 | ND | 0.49 |
| Arochlor 1232 | 1 | 86.96 | 0.0155 | ND | 0.49 |
| Arochlor 1242 | 1 | 86.96 | 0.0177 | ND | 0.49 |
| Arochlor 1248 | 1 | 86.96 | 0.0071 | ND | 0.49 |
| Arochlor 1254 | 1 | 86.96 | 0.0044 | ND | 0.49 |
| Arochlor 1260 | 1 | 86.96 | 0.0040 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3812.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/14/98 |
| | Bldg. 173 | **Extraction Date:** | 8/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/24/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-223 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| **alpha-BHC** | 1 | 94.28 | 0.0003 | ND | NLE |
| **beta-BHC** | 1 | 94.28 | 0.0003 | ND | NLE |
| **gamma-BHC** | 1 | 94.28 | 0.0004 | ND | 0.52 |
| **delta-BHC** | 1 | 94.28 | 0.0004 | ND | NLE |
| **Heptachlor** | 1 | 94.28 | 0.0003 | ND | 0.15 |
| **Aldrin** | 1 | 94.28 | 0.0004 | ND | 0.04 |
| **Heptachlor Epoxide** | 1 | 94.28 | 0.0006 | ND | NLE |
| **Endosulfan I** | 1 | 94.28 | 0.0005 | ND | NLE |
| **4,4'-DDE** | 20 | 94.28 | 0.0078 | 0.644 | 2 |
| **Dieldrin** | 1 | 94.28 | 0.0005 | ND | 0.042 |
| **Endrin** | 1 | 94.28 | 0.0005 | ND | 17 |
| **Endosulfan II** | 1 | 94.28 | 0.0004 | ND | NLE |
| **4,4'-DDD** | 1 | 94.28 | 0.0006 | ND | 3 |
| **Endrin Aldehyde** | 1 | 94.28 | 0.0005 | 0.061 | NLE |
| **4,4'-DDT** | 20 | 94.28 | 0.0213 | 1.237 | 2 |
| **Endosulfan-Sulfate** | 1 | 94.28 | 0.0004 | ND | NLE |
| **gamma -Chlordane** | 1 | 94.28 | 0.0005 | ND | NLE |
| **alpha-Chlordane** | 1 | 94.28 | 0.0005 | ND | NLE |
| **Toxaphene** | 1 | 94.28 | 0.0003 | ND | 0.1 |
| **Arochlor 1016** | 1 | 94.28 | 0.0109 | ND | 0.49 |
| **Arochlor 1221** | 1 | 94.28 | 0.0200 | ND | 0.49 |
| **Arochlor 1232** | 1 | 94.28 | 0.0136 | ND | 0.49 |
| **Arochlor 1242** | 1 | 94.28 | 0.0155 | ND | 0.49 |
| **Arochlor 1248** | 1 | 94.28 | 0.0062 | ND | 0.49 |
| **Arochlor 1254** | 1 | 94.28 | 0.0039 | ND | 0.49 |
| **Arochlor 1260** | 1 | 94.28 | 0.0035 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3812.04 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/14/98 |
| | Bldg. 173 | **Extraction Date:** | 8/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/24/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-224 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 96.01 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 96.01 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 96.01 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 96.01 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 96.01 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 96.01 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 96.01 | 0.0006 | 0.010 | NLE |
| Endosulfan I | 1 | 96.01 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 96.01 | 0.0004 | 0.024 | 2 |
| Dieldrin | 1 | 96.01 | 0.0005 | 0.003 | 0.042 |
| Endrin | 1 | 96.01 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 96.01 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 96.01 | 0.0006 | 0.004 | 3 |
| Endrin Aldehyde | 1 | 96.01 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 96.01 | 0.0011 | 0.050 | 2 |
| Endosulfan-Sulfate | 1 | 96.01 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 96.01 | 0.0005 | 0.002 | NLE |
| alpha-Chlordane | 1 | 96.01 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 96.01 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 96.01 | 0.0110 | ND | 0.49 |
| Arochlor 1221 | 1 | 96.01 | 0.0202 | ND | 0.49 |
| Arochlor 1232 | 1 | 96.01 | 0.0137 | ND | 0.49 |
| Arochlor 1242 | 1 | 96.01 | 0.0157 | ND | 0.49 |
| Arochlor 1248 | 1 | 96.01 | 0.0063 | ND | 0.49 |
| Arochlor 1254 | 1 | 96.01 | 0.0039 | ND | 0.49 |
| Arochlor 1260 | 1 | 96.01 | 0.0035 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3812.06 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/14/98 |
| | Bldg. 173 | **Extraction Date:** | 8/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/24/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-225 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 96.07 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 96.07 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 96.07 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 96.07 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 96.07 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 96.07 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 96.07 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 96.07 | 0.0005 | ND | NLE |
| 4,4'-DDE | 20 | 96.07 | 0.0081 | 0.422 | 2 |
| Dieldrin | 1 | 96.07 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 96.07 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 96.07 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 96.07 | 0.0006 | 0.048 | 3 |
| Endrin Aldehyde | 1 | 96.07 | 0.0005 | ND | NLE |
| 4,4'-DDT | 20 | 96.07 | 0.0224 | 1.000 | 2 |
| Endosulfan-Sulfate | 1 | 96.07 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 96.07 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 96.07 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 96.07 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 96.07 | 0.0114 | ND | 0.49 |
| Arochlor 1221 | 1 | 96.07 | 0.0209 | ND | 0.49 |
| Arochlor 1232 | 1 | 96.07 | 0.0142 | ND | 0.49 |
| Arochlor 1242 | 1 | 96.07 | 0.0163 | ND | 0.49 |
| Arochlor 1248 | 1 | 96.07 | 0.0065 | ND | 0.49 |
| Arochlor 1254 | 1 | 96.07 | 0.0041 | ND | 0.49 |
| Arochlor 1260 | 1 | 96.07 | 0.0037 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3812.08 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/14/98 |
| | Bldg. 173 | **Extraction Date:** | 8/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/24/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-226 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 93.78 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 93.78 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 93.78 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 93.78 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 93.78 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 93.78 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 93.78 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 93.78 | 0.0005 | ND | NLE |
| 4,4'-DDE | 100 | 93.78 | 0.0427 | 0.612 | 2 |
| Dieldrin | 1 | 93.78 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 93.78 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 93.78 | 0.0004 | ND | NLE |
| 4,4'-DDD | 100 | 93.78 | 0.0640 | 0.164 | 3 |
| Endrin Aldehyde | 1 | 93.78 | 0.0005 | ND | NLE |
| 4,4'-DDT | 100 | 93.78 | 0.1173 | 0.973 | 2 |
| Endosulfan-Sulfate | 1 | 93.78 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 93.78 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 93.78 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 93.78 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 93.78 | 0.0119 | ND | 0.49 |
| Arochlor 1221 | 1 | 93.78 | 0.0220 | ND | 0.49 |
| Arochlor 1232 | 1 | 93.78 | 0.0149 | ND | 0.49 |
| Arochlor 1242 | 1 | 93.78 | 0.0171 | ND | 0.49 |
| Arochlor 1248 | 1 | 93.78 | 0.0068 | ND | 0.49 |
| Arochlor 1254 | 1 | 93.78 | 0.0043 | ND | 0.49 |
| Arochlor 1260 | 1 | 93.78 | 0.0038 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3812.10 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/14/98 |
| | Bldg. 173 | **Extraction Date:** | 8/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/24/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-227 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 10 | 79.87 | 0.0037 | ND | NLE |
| beta-BHC | 10 | 79.87 | 0.0037 | ND | NLE |
| gamma-BHC | 10 | 79.87 | 0.0049 | ND | 0.52 |
| delta-BHC | 10 | 79.87 | 0.0049 | ND | NLE |
| Heptachlor | 10 | 79.87 | 0.0037 | ND | 0.15 |
| Aldrin | 10 | 79.87 | 0.0049 | ND | 0.04 |
| Heptachlor Epoxide | 10 | 79.87 | 0.0074 | ND | NLE |
| Endosulfan I | 10 | 79.87 | 0.0062 | ND | NLE |
| 4,4'-DDE | 10 | 79.87 | 0.0049 | 0.241 | 2 |
| Dieldrin | 10 | 79.87 | 0.0062 | ND | 0.042 |
| Endrin | 10 | 79.87 | 0.0062 | ND | 17 |
| Endosulfan II | 10 | 79.87 | 0.0049 | ND | NLE |
| 4,4'-DDD | 10 | 79.87 | 0.0074 | 0.276 | 3 |
| Endrin Aldehyde | 10 | 79.87 | 0.0062 | ND | NLE |
| 4,4'-DDT | 10 | 79.87 | 0.0135 | 0.859 | 2 |
| Endosulfan-Sulfate | 10 | 79.87 | 0.0049 | ND | NLE |
| gamma -Chlordane | 10 | 79.87 | 0.0062 | ND | NLE |
| alpha-Chlordane | 10 | 79.87 | 0.0062 | ND | NLE |
| Toxaphene | 10 | 79.87 | 0.0037 | ND | 0.1 |
| Arochlor 1016 | 10 | 79.87 | 0.1379 | ND | 0.49 |
| Arochlor 1221 | 10 | 79.87 | 0.2536 | ND | 0.49 |
| Arochlor 1232 | 10 | 79.87 | 0.1724 | ND | 0.49 |
| Arochlor 1242 | 10 | 79.87 | 0.1970 | ND | 0.49 |
| Arochlor 1248 | 10 | 79.87 | 0.0788 | ND | 0.49 |
| Arochlor 1254 | 10 | 79.87 | 0.0492 | ND | 0.49 |
| Arochlor 1260 | 10 | 79.87 | 0.0443 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3812.12 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/14/98 |
| | Bldg. 173 | **Extraction Date:** | 8/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/24/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-228 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 10 | 88.43 | 0.0033 | ND | NLE |
| beta-BHC | 10 | 88.43 | 0.0033 | ND | NLE |
| gamma-BHC | 10 | 88.43 | 0.0044 | ND | 0.52 |
| delta-BHC | 10 | 88.43 | 0.0044 | ND | NLE |
| Heptachlor | 10 | 88.43 | 0.0033 | ND | 0.15 |
| Aldrin | 10 | 88.43 | 0.0044 | ND | 0.04 |
| Heptachlor Epoxide | 10 | 88.43 | 0.0066 | ND | NLE |
| Endosulfan I | 10 | 88.43 | 0.0055 | ND | NLE |
| 4,4'-DDE | 10 | 88.43 | 0.0044 | 0.262 | 2 |
| Dieldrin | 10 | 88.43 | 0.0055 | ND | 0.042 |
| Endrin | 10 | 88.43 | 0.0055 | ND | 17 |
| Endosulfan II | 10 | 88.43 | 0.0044 | ND | NLE |
| 4,4'-DDD | 10 | 88.43 | 0.0066 | 0.419 | 3 |
| Endrin Aldehyde | 10 | 88.43 | 0.0055 | ND | NLE |
| 4,4'-DDT | 10 | 88.43 | 0.0121 | ND | 2 |
| Endosulfan-Sulfate | 100 | 88.43 | 0.0439 | 2.215 | NLE |
| gamma -Chlordane | 10 | 88.43 | 0.0055 | ND | NLE |
| alpha-Chlordane | 10 | 88.43 | 0.0055 | ND | NLE |
| Toxaphene | 10 | 88.43 | 0.0033 | ND | 0.1 |
| Arochlor 1016 | 10 | 88.43 | 0.1228 | ND | 0.49 |
| Arochlor 1221 | 10 | 88.43 | 0.2259 | ND | 0.49 |
| Arochlor 1232 | 10 | 88.43 | 0.1536 | ND | 0.49 |
| Arochlor 1242 | 10 | 88.43 | 0.1755 | ND | 0.49 |
| Arochlor 1248 | 10 | 88.43 | 0.0702 | ND | 0.49 |
| Arochlor 1254 | 10 | 88.43 | 0.0439 | ND | 0.49 |
| Arochlor 1260 | 10 | 88.43 | 0.0395 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3812.14 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/14/98 |
| | Bldg. 173 | **Extraction Date:** | 8/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/24/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-229 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 10 | 92.90 | 0.0032 | ND | NLE |
| beta-BHC | 10 | 92.90 | 0.0032 | ND | NLE |
| gamma-BHC | 10 | 92.90 | 0.0042 | ND | 0.52 |
| delta-BHC | 10 | 92.90 | 0.0042 | ND | NLE |
| Heptachlor | 10 | 92.90 | 0.0032 | ND | 0.15 |
| Aldrin | 10 | 92.90 | 0.0042 | ND | 0.04 |
| Heptachlor Epoxide | 10 | 92.90 | 0.0064 | ND | NLE |
| Endosulfan I | 10 | 92.90 | 0.0053 | ND | NLE |
| 4,4'-DDE | 10 | 92.90 | 0.0042 | 0.169 | 2 |
| Dieldrin | 10 | 92.90 | 0.0053 | ND | 0.042 |
| Endrin | 10 | 92.90 | 0.0053 | ND | 17 |
| Endosulfan II | 10 | 92.90 | 0.0042 | ND | NLE |
| 4,4'-DDD | 10 | 92.90 | 0.0064 | 0.179 | 3 |
| Endrin Aldehyde | 10 | 92.90 | 0.0053 | ND | NLE |
| 4,4'-DDT | 20 | 92.90 | 0.0233 | 1.070 | 2 |
| Endosulfan-Sulfate | 10 | 92.90 | 0.0042 | ND | NLE |
| gamma -Chlordane | 10 | 92.90 | 0.0053 | ND | NLE |
| alpha-Chlordane | 10 | 92.90 | 0.0053 | ND | NLE |
| Toxaphene | 10 | 92.90 | 0.0032 | ND | 0.1 |
| Arochlor 1016 | 10 | 92.90 | 0.1187 | ND | 0.49 |
| Arochlor 1221 | 10 | 92.90 | 0.2183 | ND | 0.49 |
| Arochlor 1232 | 10 | 92.90 | 0.1483 | ND | 0.49 |
| Arochlor 1242 | 10 | 92.90 | 0.1695 | ND | 0.49 |
| Arochlor 1248 | 10 | 92.90 | 0.0678 | ND | 0.49 |
| Arochlor 1254 | 10 | 92.90 | 0.0424 | ND | 0.49 |
| Arochlor 1260 | 10 | 92.90 | 0.0381 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3812.16 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/14/98 |
| | Bldg. 173 | **Extraction Date:** | 8/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/24/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-230 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 5 | 94.32 | 0.0015 | ND | NLE |
| beta-BHC | 5 | 94.32 | 0.0015 | ND | NLE |
| gamma-BHC | 5 | 94.32 | 0.0021 | ND | 0.52 |
| delta-BHC | 5 | 94.32 | 0.0021 | ND | NLE |
| Heptachlor | 5 | 94.32 | 0.0015 | ND | 0.15 |
| Aldrin | 5 | 94.32 | 0.0021 | ND | 0.04 |
| Heptachlor Epoxide | 5 | 94.32 | 0.0031 | ND | NLE |
| Endosulfan I | 5 | 94.32 | 0.0026 | ND | NLE |
| 4,4'-DDE | 20 | 94.32 | 0.0082 | 0.483 | 2 |
| Dieldrin | 5 | 94.32 | 0.0026 | ND | 0.042 |
| Endrin | 5 | 94.32 | 0.0026 | ND | 17 |
| Endosulfan II | 5 | 94.32 | 0.0021 | ND | NLE |
| 4,4'-DDD | 5 | 94.32 | 0.0031 | 0.127 | 3 |
| Endrin Aldehyde | 5 | 94.32 | 0.0026 | ND | NLE |
| 4,4'-DDT | 20 | 94.32 | 0.0226 | 0.833 | 2 |
| Endosulfan-Sulfate | 5 | 94.32 | 0.0021 | ND | NLE |
| gamma -Chlordane | 5 | 94.32 | 0.0026 | ND | NLE |
| alpha-Chlordane | 5 | 94.32 | 0.0026 | ND | NLE |
| Toxaphene | 5 | 94.32 | 0.0015 | ND | 0.1 |
| Arochlor 1016 | 5 | 94.32 | 0.0575 | ND | 0.49 |
| Arochlor 1221 | 5 | 94.32 | 0.1058 | ND | 0.49 |
| Arochlor 1232 | 5 | 94.32 | 0.0719 | ND | 0.49 |
| Arochlor 1242 | 5 | 94.32 | 0.0822 | ND | 0.49 |
| Arochlor 1248 | 5 | 94.32 | 0.0329 | ND | 0.49 |
| Arochlor 1254 | 5 | 94.32 | 0.0205 | ND | 0.49 |
| Arochlor 1260 | 5 | 94.32 | 0.0185 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3812.18 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/14/98 |
| | Bldg. 173 | **Extraction Date:** | 8/18/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 9/24/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-231 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 5 | 95.49 | 0.0015 | ND | NLE |
| beta-BHC | 5 | 95.49 | 0.0015 | ND | NLE |
| gamma-BHC | 5 | 95.49 | 0.0020 | ND | 0.52 |
| delta-BHC | 5 | 95.49 | 0.0020 | ND | NLE |
| Heptachlor | 5 | 95.49 | 0.0015 | ND | 0.15 |
| Aldrin | 5 | 95.49 | 0.0020 | ND | 0.04 |
| Heptachlor Epoxide | 5 | 95.49 | 0.0031 | ND | NLE |
| Endosulfan I | 5 | 95.49 | 0.0025 | ND | NLE |
| 4,4'-DDE | 20 | 95.49 | 0.0081 | 0.366 | 2 |
| Dieldrin | 5 | 95.49 | 0.0025 | ND | 0.042 |
| Endrin | 5 | 95.49 | 0.0025 | ND | 17 |
| Endosulfan II | 5 | 95.49 | 0.0020 | ND | NLE |
| 4,4'-DDD | 5 | 95.49 | 0.0031 | 0.089 | 3 |
| Endrin Aldehyde | 5 | 95.49 | 0.0025 | ND | NLE |
| 4,4'-DDT | 20 | 95.49 | 0.0224 | 0.626 | 2 |
| Endosulfan-Sulfate | 5 | 95.49 | 0.0020 | ND | NLE |
| gamma -Chlordane | 5 | 95.49 | 0.0025 | ND | NLE |
| alpha-Chlordane | 5 | 95.49 | 0.0025 | ND | NLE |
| Toxaphene | 5 | 95.49 | 0.0015 | ND | 0.1 |
| Arochlor 1016 | 5 | 95.49 | 0.0569 | ND | 0.49 |
| Arochlor 1221 | 5 | 95.49 | 0.1047 | ND | 0.49 |
| Arochlor 1232 | 5 | 95.49 | 0.0712 | ND | 0.49 |
| Arochlor 1242 | 5 | 95.49 | 0.0813 | ND | 0.49 |
| Arochlor 1248 | 5 | 95.49 | 0.0325 | ND | 0.49 |
| Arochlor 1254 | 5 | 95.49 | 0.0203 | ND | 0.49 |
| Arochlor 1260 | 5 | 95.49 | 0.0183 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3827.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/25/98 |
| | Bldg. 173 | **Extraction Date:** | 8/26/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/1/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-232 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 10 | 92.76 | 0.0032 | ND | NLE |
| beta-BHC | 10 | 92.76 | 0.0032 | ND | NLE |
| gamma-BHC | 10 | 92.76 | 0.0043 | ND | 0.52 |
| delta-BHC | 10 | 92.76 | 0.0043 | ND | NLE |
| Heptachlor | 10 | 92.76 | 0.0032 | ND | 0.15 |
| Aldrin | 10 | 92.76 | 0.0043 | ND | 0.04 |
| Heptachlor Epoxide | 10 | 92.76 | 0.0064 | ND | NLE |
| Endosulfan I | 10 | 92.76 | 0.0053 | ND | NLE |
| 4,4'-DDE | 10 | 92.76 | 0.0043 | 0.383 | 2 |
| Dieldrin | 10 | 92.76 | 0.0053 | ND | 0.042 |
| Endrin | 10 | 92.76 | 0.0053 | ND | 17 |
| Endosulfan II | 10 | 92.76 | 0.0043 | ND | NLE |
| 4,4'-DDD | 10 | 92.76 | 0.0064 | 0.181 | 3 |
| Endrin Aldehyde | 10 | 92.76 | 0.0053 | ND | NLE |
| 4,4'-DDT | 100 | 92.76 | 0.1171 | 1.344 | 2 |
| Endosulfan-Sulfate | 10 | 92.76 | 0.0043 | ND | NLE |
| gamma -Chlordane | 10 | 92.76 | 0.0053 | 0.007 | NLE |
| alpha-Chlordane | 10 | 92.76 | 0.0053 | 0.010 | NLE |
| Toxaphene | 10 | 92.76 | 0.0032 | ND | 0.1 |
| Arochlor 1016 | 10 | 92.76 | 0.1192 | ND | 0.49 |
| Arochlor 1221 | 10 | 92.76 | 0.2192 | ND | 0.49 |
| Arochlor 1232 | 10 | 92.76 | 0.1490 | ND | 0.49 |
| Arochlor 1242 | 10 | 92.76 | 0.1703 | ND | 0.49 |
| Arochlor 1248 | 10 | 92.76 | 0.0681 | ND | 0.49 |
| Arochlor 1254 | 10 | 92.76 | 0.0426 | ND | 0.49 |
| Arochlor 1260 | 10 | 92.76 | 0.0383 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3827.04 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/25/98 |
| | Bldg. 173 | **Extraction Date:** | 8/26/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/1/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-233 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 2 | 88.40 | 0.0007 | ND | NLE |
| beta-BHC | 2 | 88.40 | 0.0007 | ND | NLE |
| gamma-BHC | 2 | 88.40 | 0.0009 | ND | 0.52 |
| delta-BHC | 2 | 88.40 | 0.0009 | ND | NLE |
| Heptachlor | 2 | 88.40 | 0.0007 | ND | 0.15 |
| Aldrin | 2 | 88.40 | 0.0009 | ND | 0.04 |
| Heptachlor Epoxide | 2 | 88.40 | 0.0013 | ND | NLE |
| Endosulfan I | 2 | 88.40 | 0.0011 | ND | NLE |
| 4,4'-DDE | 2 | 88.40 | 0.0009 | 0.104 | 2 |
| Dieldrin | 2 | 88.40 | 0.0011 | ND | 0.042 |
| Endrin | 2 | 88.40 | 0.0011 | ND | 17 |
| Endosulfan II | 2 | 88.40 | 0.0009 | ND | NLE |
| 4,4'-DDD | 2 | 88.40 | 0.0013 | 0.068 | 3 |
| Endrin Aldehyde | 2 | 88.40 | 0.0011 | ND | NLE |
| 4,4'-DDT | 100 | 88.40 | 0.1200 | 0.345 | 2 |
| Endosulfan-Sulfate | 2 | 88.40 | 0.0009 | ND | NLE |
| gamma -Chlordane | 2 | 88.40 | 0.0011 | ND | NLE |
| alpha-Chlordane | 2 | 88.40 | 0.0011 | ND | NLE |
| Toxaphene | 2 | 88.40 | 0.0007 | ND | 0.1 |
| Arochlor 1016 | 2 | 88.40 | 0.0244 | ND | 0.49 |
| Arochlor 1221 | 2 | 88.40 | 0.0449 | ND | 0.49 |
| Arochlor 1232 | 2 | 88.40 | 0.0305 | ND | 0.49 |
| Arochlor 1242 | 2 | 88.40 | 0.0349 | ND | 0.49 |
| Arochlor 1248 | 2 | 88.40 | 0.0140 | ND | 0.49 |
| Arochlor 1254 | 2 | 88.40 | 0.0087 | ND | 0.49 |
| Arochlor 1260 | 2 | 88.40 | 0.0079 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3827.06 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/25/98 |
| | Bldg. 173 | **Extraction Date:** | 8/26/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/1/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-234 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 5 | 83.52 | 0.0017 | ND | NLE |
| beta-BHC | 5 | 83.52 | 0.0017 | ND | NLE |
| gamma-BHC | 5 | 83.52 | 0.0023 | ND | 0.52 |
| delta-BHC | 5 | 83.52 | 0.0023 | ND | NLE |
| Heptachlor | 5 | 83.52 | 0.0017 | ND | 0.15 |
| Aldrin | 5 | 83.52 | 0.0023 | ND | 0.04 |
| Heptachlor Epoxide | 5 | 83.52 | 0.0034 | ND | NLE |
| Endosulfan I | 5 | 83.52 | 0.0028 | ND | NLE |
| 4,4'-DDE | 5 | 83.52 | 0.0023 | 0.080 | 2 |
| Dieldrin | 5 | 83.52 | 0.0028 | ND | 0.042 |
| Endrin | 5 | 83.52 | 0.0028 | ND | 17 |
| Endosulfan II | 5 | 83.52 | 0.0023 | ND | NLE |
| 4,4'-DDD | 5 | 83.52 | 0.0034 | 0.143 | 3 |
| Endrin Aldehyde | 5 | 83.52 | 0.0028 | ND | NLE |
| 4,4'-DDT | 100 | 83.52 | 0.1244 | 1.143 | 2 |
| Endosulfan-Sulfate | 5 | 83.52 | 0.0023 | ND | NLE |
| gamma -Chlordane | 5 | 83.52 | 0.0028 | ND | NLE |
| alpha-Chlordane | 5 | 83.52 | 0.0028 | ND | NLE |
| Toxaphene | 5 | 83.52 | 0.0017 | ND | 0.1 |
| Arochlor 1016 | 5 | 83.52 | 0.0633 | ND | 0.49 |
| Arochlor 1221 | 5 | 83.52 | 0.1165 | ND | 0.49 |
| Arochlor 1232 | 5 | 83.52 | 0.0791 | ND | 0.49 |
| Arochlor 1242 | 5 | 83.52 | 0.0904 | ND | 0.49 |
| Arochlor 1248 | 5 | 83.52 | 0.0362 | ND | 0.49 |
| Arochlor 1254 | 5 | 83.52 | 0.0226 | ND | 0.49 |
| Arochlor 1260 | 5 | 83.52 | 0.0204 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3827.08 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/25/98 |
| | Bldg. 173 | **Extraction Date:** | 8/26/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/1/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-235 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 5 | 90.78 | 0.0016 | ND | NLE |
| beta-BHC | 5 | 90.78 | 0.0016 | ND | NLE |
| gamma-BHC | 5 | 90.78 | 0.0021 | ND | 0.52 |
| delta-BHC | 5 | 90.78 | 0.0021 | ND | NLE |
| Heptachlor | 5 | 90.78 | 0.0016 | ND | 0.15 |
| Aldrin | 5 | 90.78 | 0.0021 | ND | 0.04 |
| Heptachlor Epoxide | 5 | 90.78 | 0.0032 | ND | NLE |
| Endosulfan I | 5 | 90.78 | 0.0026 | ND | NLE |
| 4,4'-DDE | 5 | 90.78 | 0.0021 | 0.204 | 2 |
| Dieldrin | 5 | 90.78 | 0.0026 | ND | 0.042 |
| Endrin | 5 | 90.78 | 0.0026 | ND | 17 |
| Endosulfan II | 5 | 90.78 | 0.0021 | ND | NLE |
| 4,4'-DDD | 5 | 90.78 | 0.0032 | 0.209 | 3 |
| Endrin Aldehyde | 5 | 90.78 | 0.0026 | ND | NLE |
| 4,4'-DDT | 100 | 90.78 | 0.1163 | 1.028 | 2 |
| Endosulfan-Sulfate | 5 | 90.78 | 0.0021 | ND | NLE |
| gamma -Chlordane | 5 | 90.78 | 0.0026 | ND | NLE |
| alpha-Chlordane | 5 | 90.78 | 0.0026 | ND | NLE |
| Toxaphene | 5 | 90.78 | 0.0016 | ND | 0.1 |
| Arochlor 1016 | 5 | 90.78 | 0.0592 | ND | 0.49 |
| Arochlor 1221 | 5 | 90.78 | 0.1089 | ND | 0.49 |
| Arochlor 1232 | 5 | 90.78 | 0.0740 | ND | 0.49 |
| Arochlor 1242 | 5 | 90.78 | 0.0846 | ND | 0.49 |
| Arochlor 1248 | 5 | 90.78 | 0.0338 | ND | 0.49 |
| Arochlor 1254 | 5 | 90.78 | 0.0211 | ND | 0.49 |
| Arochlor 1260 | 5 | 90.78 | 0.0190 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3827.10 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/25/98 |
| | Bldg. 173 | **Extraction Date:** | 8/26/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/1/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-236 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 10 | 87.15 | 0.0033 | ND | NLE |
| beta-BHC | 10 | 87.15 | 0.0033 | ND | NLE |
| gamma-BHC | 10 | 87.15 | 0.0044 | ND | 0.52 |
| delta-BHC | 10 | 87.15 | 0.0044 | ND | NLE |
| Heptachlor | 10 | 87.15 | 0.0033 | ND | 0.15 |
| Aldrin | 10 | 87.15 | 0.0044 | ND | 0.04 |
| Heptachlor Epoxide | 10 | 87.15 | 0.0066 | ND | NLE |
| Endosulfan I | 10 | 87.15 | 0.0055 | ND | NLE |
| 4,4'-DDE | 10 | 87.15 | 0.0044 | 0.272 | 2 |
| Dieldrin | 10 | 87.15 | 0.0055 | ND | 0.042 |
| Endrin | 10 | 87.15 | 0.0055 | ND | 17 |
| Endosulfan II | 10 | 87.15 | 0.0044 | ND | NLE |
| 4,4'-DDD | 10 | 87.15 | 0.0066 | 0.158 | 3 |
| Endrin Aldehyde | 10 | 87.15 | 0.0055 | ND | NLE |
| 4,4'-DDT | 100 | 87.15 | 0.1216 | 1.280 | 2 |
| Endosulfan-Sulfate | 10 | 87.15 | 0.0044 | ND | NLE |
| gamma -Chlordane | 10 | 87.15 | 0.0055 | ND | NLE |
| alpha-Chlordane | 10 | 87.15 | 0.0055 | ND | NLE |
| Toxaphene | 10 | 87.15 | 0.0033 | ND | 0.1 |
| Arochlor 1016 | 10 | 87.15 | 0.1238 | ND | 0.49 |
| Arochlor 1221 | 10 | 87.15 | 0.2277 | ND | 0.49 |
| Arochlor 1232 | 10 | 87.15 | 0.1548 | ND | 0.49 |
| Arochlor 1242 | 10 | 87.15 | 0.1769 | ND | 0.49 |
| Arochlor 1248 | 10 | 87.15 | 0.0707 | ND | 0.49 |
| Arochlor 1254 | 10 | 87.15 | 0.0442 | ND | 0.49 |
| Arochlor 1260 | 10 | 87.15 | 0.0398 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
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 # :** | 3836.02 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/2/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-237 |

| | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| **alpha-BHC** | 1 | 94.07 | 0.0003 | ND | NLE |
| **beta-BHC** | 1 | 94.07 | 0.0003 | ND | NLE |
| **gamma-BHC** | 1 | 94.07 | 0.0004 | ND | 0.52 |
| **delta-BHC** | 1 | 94.07 | 0.0004 | ND | NLE |
| **Heptachlor** | 1 | 94.07 | 0.0003 | ND | 0.15 |
| **Aldrin** | 1 | 94.07 | 0.0004 | ND | 0.04 |
| **Heptachlor Epoxide** | 1 | 94.07 | 0.0006 | ND | NLE |
| **Endosulfan I** | 1 | 94.07 | 0.0005 | ND | NLE |
| **4,4'-DDE** | 100 | 94.07 | 0.0419 | 0.275 | 2 |
| **Dieldrin** | 1 | 94.07 | 0.0005 | ND | 0.042 |
| **Endrin** | 1 | 94.07 | 0.0005 | ND | 17 |
| **Endosulfan II** | 1 | 94.07 | 0.0004 | ND | NLE |
| **4,4'-DDD** | 1 | 94.07 | 0.0006 | 0.021 | 3 |
| **Endrin Aldehyde** | 1 | 94.07 | 0.0005 | ND | NLE |
| **4,4'-DDT** | 100 | 94.07 | 0.1152 | 0.650 | 2 |
| **Endosulfan-Sulfate** | 1 | 94.07 | 0.0004 | ND | NLE |
| **gamma -Chlordane** | 1 | 94.07 | 0.0005 | 0.012 | NLE |
| **alpha-Chlordane** | 1 | 94.07 | 0.0005 | 0.011 | NLE |
| **Toxaphene** | 1 | 94.07 | 0.0003 | ND | 0.1 |
| **Arochlor 1016** | 1 | 94.07 | 0.0117 | ND | 0.49 |
| **Arochlor 1221** | 1 | 94.07 | 0.0216 | ND | 0.49 |
| **Arochlor 1232** | 1 | 94.07 | 0.0147 | ND | 0.49 |
| **Arochlor 1242** | 1 | 94.07 | 0.0168 | ND | 0.49 |
| **Arochlor 1248** | 1 | 94.07 | 0.0067 | ND | 0.49 |
| **Arochlor 1254** | 1 | 94.07 | 0.0042 | ND | 0.49 |
| **Arochlor 1260** | 1 | 94.07 | 0.0038 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3836.04 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/2/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-238 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 95.33 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 95.33 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 95.33 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 95.33 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 95.33 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 95.33 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 95.33 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 95.33 | 0.0005 | ND | NLE |
| 4,4'-DDE | 100 | 95.33 | 0.0400 | 0.412 | 2 |
| Dieldrin | 1 | 95.33 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 95.33 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 95.33 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 95.33 | 0.0006 | 0.033 | 3 |
| Endrin Aldehyde | 1 | 95.33 | 0.0005 | ND | NLE |
| 4,4'-DDT | 100 | 95.33 | 0.1101 | 1.438 | 2 |
| Endosulfan-Sulfate | 1 | 95.33 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 95.33 | 0.0005 | 0.007 | NLE |
| alpha-Chlordane | 1 | 95.33 | 0.0005 | 0.007 | NLE |
| Toxaphene | 1 | 95.33 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 95.33 | 0.0112 | ND | 0.49 |
| Arochlor 1221 | 1 | 95.33 | 0.0206 | ND | 0.49 |
| Arochlor 1232 | 1 | 95.33 | 0.0140 | ND | 0.49 |
| Arochlor 1242 | 1 | 95.33 | 0.0160 | ND | 0.49 |
| Arochlor 1248 | 1 | 95.33 | 0.0064 | ND | 0.49 |
| Arochlor 1254 | 1 | 95.33 | 0.0040 | ND | 0.49 |
| Arochlor 1260 | 1 | 95.33 | 0.0036 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3836.06 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/3/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-239 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 88.92 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 88.92 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 88.92 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 88.92 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 88.92 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 88.92 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 88.92 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 88.92 | 0.0005 | ND | NLE |
| 4,4'-DDE | 100 | 88.92 | 0.0420 | 0.592 | 2 |
| Dieldrin | 1 | 88.92 | 0.0005 | 0.049 | 0.042 |
| Endrin | 1 | 88.92 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 88.92 | 0.0004 | ND | NLE |
| 4,4'-DDD | 100 | 88.92 | 0.0629 | 0.779 | 3 |
| Endrin Aldehyde | 1 | 88.92 | 0.0005 | ND | NLE |
| 4,4'-DDT | 100 | 88.92 | 0.1154 | 2.914 | 2 |
| Endosulfan-Sulfate | 1 | 88.92 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 88.92 | 0.0005 | 0.004 | NLE |
| alpha-Chlordane | 1 | 88.92 | 0.0005 | 0.003 | NLE |
| Toxaphene | 1 | 88.92 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 88.92 | 0.0117 | ND | 0.49 |
| Arochlor 1221 | 1 | 88.92 | 0.0216 | ND | 0.49 |
| Arochlor 1232 | 1 | 88.92 | 0.0147 | ND | 0.49 |
| Arochlor 1242 | 1 | 88.92 | 0.0168 | ND | 0.49 |
| Arochlor 1248 | 1 | 88.92 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 88.92 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 88.92 | 0.0038 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3836.08 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/3/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-240 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 88.63 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 88.63 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 88.63 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 88.63 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 88.63 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 88.63 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 88.63 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 88.63 | 0.0006 | ND | NLE |
| 4,4'-DDE | 100 | 88.63 | 0.0443 | 0.445 | 2 |
| Dieldrin | 1 | 88.63 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 88.63 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 88.63 | 0.0004 | ND | NLE |
| 4,4'-DDD | 100 | 88.63 | 0.0664 | 0.287 | 3 |
| Endrin Aldehyde | 1 | 88.63 | 0.0006 | ND | NLE |
| 4,4'-DDT | 100 | 88.63 | 0.1218 | 1.636 | 2 |
| Endosulfan-Sulfate | 1 | 88.63 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 88.63 | 0.0006 | ND | NLE |
| alpha-Chlordane | 1 | 88.63 | 0.0006 | 0.002 | NLE |
| Toxaphene | 1 | 88.63 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 88.63 | 0.0124 | ND | 0.49 |
| Arochlor 1221 | 1 | 88.63 | 0.0228 | ND | 0.49 |
| Arochlor 1232 | 1 | 88.63 | 0.0155 | ND | 0.49 |
| Arochlor 1242 | 1 | 88.63 | 0.0177 | ND | 0.49 |
| Arochlor 1248 | 1 | 88.63 | 0.0071 | ND | 0.49 |
| Arochlor 1254 | 1 | 88.63 | 0.0044 | ND | 0.49 |
| Arochlor 1260 | 1 | 88.63 | 0.0040 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3836.10 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/3/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-241 |

| Pesticide/PCB | 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 | 10 | 90.92 | 0.0042 | 0.195 | 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 | 0.077 | 3 |
| Endrin Aldehyde | 1 | 90.92 | 0.0005 | ND | NLE |
| 4,4'-DDT | 10 | 90.92 | 0.0115 | 0.599 | 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 | 0.0117 | ND | 0.49 |
| Arochlor 1221 | 1 | 90.92 | 0.0216 | ND | 0.49 |
| Arochlor 1232 | 1 | 90.92 | 0.0147 | ND | 0.49 |
| Arochlor 1242 | 1 | 90.92 | 0.0168 | ND | 0.49 |
| Arochlor 1248 | 1 | 90.92 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 90.92 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 90.92 | 0.0038 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3836.12 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/3/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-242 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 93.40 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 93.40 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 93.40 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 93.40 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 93.40 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 93.40 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 93.40 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 93.40 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 93.40 | 0.0004 | 0.036 | 2 |
| Dieldrin | 1 | 93.40 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 93.40 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 93.40 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 93.40 | 0.0006 | 0.056 | 3 |
| Endrin Aldehyde | 1 | 93.40 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1 | 93.40 | 0.0011 | 0.070 | 2 |
| Endosulfan-Sulfate | 1 | 93.40 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 93.40 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 93.40 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 93.40 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 93.40 | 0.0117 | ND | 0.49 |
| Arochlor 1221 | 1 | 93.40 | 0.0215 | ND | 0.49 |
| Arochlor 1232 | 1 | 93.40 | 0.0146 | ND | 0.49 |
| Arochlor 1242 | 1 | 93.40 | 0.0167 | ND | 0.49 |
| Arochlor 1248 | 1 | 93.40 | 0.0067 | ND | 0.49 |
| Arochlor 1254 | 1 | 93.40 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 93.40 | 0.0038 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3836.14 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/3/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-243 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 66.94 | 0.0004 | ND | NLE |
| beta-BHC | 1 | 66.94 | 0.0004 | ND | NLE |
| gamma-BHC | 1 | 66.94 | 0.0006 | ND | 0.52 |
| delta-BHC | 1 | 66.94 | 0.0006 | ND | NLE |
| Heptachlor | 1 | 66.94 | 0.0004 | ND | 0.15 |
| Aldrin | 1 | 66.94 | 0.0006 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 66.94 | 0.0008 | ND | NLE |
| Endosulfan I | 1 | 66.94 | 0.0007 | ND | NLE |
| 4,4'-DDE | 1 | 66.94 | 0.0006 | 0.135 | 2 |
| Dieldrin | 1 | 66.94 | 0.0007 | ND | 0.042 |
| Endrin | 1 | 66.94 | 0.0007 | ND | 17 |
| Endosulfan II | 1 | 66.94 | 0.0006 | ND | NLE |
| 4,4'-DDD | 1 | 66.94 | 0.0008 | 0.037 | 3 |
| Endrin Aldehyde | 1 | 66.94 | 0.0007 | ND | NLE |
| 4,4'-DDT | 10 | 66.94 | 0.0153 | 0.620 | 2 |
| Endosulfan-Sulfate | 1 | 66.94 | 0.0006 | ND | NLE |
| gamma -Chlordane | 1 | 66.94 | 0.0007 | ND | NLE |
| alpha-Chlordane | 1 | 66.94 | 0.0007 | ND | NLE |
| Toxaphene | 1 | 66.94 | 0.0004 | ND | 0.1 |
| Arochlor 1016 | 1 | 66.94 | 0.0156 | ND | 0.49 |
| Arochlor 1221 | 1 | 66.94 | 0.0287 | ND | 0.49 |
| Arochlor 1232 | 1 | 66.94 | 0.0195 | ND | 0.49 |
| Arochlor 1242 | 1 | 66.94 | 0.0223 | ND | 0.49 |
| Arochlor 1248 | 1 | 66.94 | 0.0089 | ND | 0.49 |
| Arochlor 1254 | 1 | 66.94 | 0.0056 | ND | 0.49 |
| Arochlor 1260 | 1 | 66.94 | 0.0050 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3836.16 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/3/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-244 |

| Pesticide/PCB | 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 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 91.22 | 0.0005 | ND | NLE |
| 4,4'-DDE | 100 | 91.22 | 0.0435 | 1.003 | 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 | 100 | 91.22 | 0.0652 | 0.178 | 3 |
| Endrin Aldehyde | 1 | 91.22 | 0.0005 | ND | NLE |
| 4,4'-DDT | 100 | 91.22 | 0.1195 | 2.781 | 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 | 0.0122 | ND | 0.49 |
| Arochlor 1221 | 1 | 91.22 | 0.0224 | ND | 0.49 |
| Arochlor 1232 | 1 | 91.22 | 0.0152 | ND | 0.49 |
| Arochlor 1242 | 1 | 91.22 | 0.0174 | ND | 0.49 |
| Arochlor 1248 | 1 | 91.22 | 0.0070 | ND | 0.49 |
| Arochlor 1254 | 1 | 91.22 | 0.0043 | ND | 0.49 |
| Arochlor 1260 | 1 | 91.22 | 0.0039 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3836.18 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/3/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-245 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 86.42 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 86.42 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 86.42 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 86.42 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 86.42 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 86.42 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 86.42 | 0.0007 | ND | NLE |
| Endosulfan I | 1 | 86.42 | 0.0005 | ND | NLE |
| 4,4'-DDE | 20 | 86.42 | 0.0088 | 0.164 | 2 |
| Dieldrin | 1 | 86.42 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 86.42 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 86.42 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 86.42 | 0.0007 | 0.080 | 3 |
| Endrin Aldehyde | 1 | 86.42 | 0.0005 | ND | NLE |
| 4,4'-DDT | 20 | 86.42 | 0.0242 | 0.789 | 2 |
| Endosulfan-Sulfate | 1 | 86.42 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 86.42 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 86.42 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 86.42 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 86.42 | 0.0123 | ND | 0.49 |
| Arochlor 1221 | 1 | 86.42 | 0.0227 | ND | 0.49 |
| Arochlor 1232 | 1 | 86.42 | 0.0154 | ND | 0.49 |
| Arochlor 1242 | 1 | 86.42 | 0.0176 | ND | 0.49 |
| Arochlor 1248 | 1 | 86.42 | 0.0070 | ND | 0.49 |
| Arochlor 1254 | 1 | 86.42 | 0.0044 | ND | 0.49 |
| Arochlor 1260 | 1 | 86.42 | 0.0040 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3836.20 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/3/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-246 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 87.79 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 87.79 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 87.79 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 87.79 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 87.79 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 87.79 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 87.79 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 87.79 | 0.0005 | ND | NLE |
| 4,4'-DDE | 100 | 87.79 | 0.0432 | 0.330 | 2 |
| Dieldrin | 1 | 87.79 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 87.79 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 87.79 | 0.0004 | ND | NLE |
| 4,4'-DDD | 100 | 87.79 | 0.0648 | 0.171 | 3 |
| Endrin Aldehyde | 1 | 87.79 | 0.0005 | ND | NLE |
| 4,4'-DDT | 100 | 87.79 | 0.1189 | 2.226 | 2 |
| Endosulfan-Sulfate | 1 | 87.79 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 87.79 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 87.79 | 0.0005 | 0.003 | NLE |
| Toxaphene | 1 | 87.79 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 87.79 | 0.0121 | ND | 0.49 |
| Arochlor 1221 | 1 | 87.79 | 0.0223 | ND | 0.49 |
| Arochlor 1232 | 1 | 87.79 | 0.0151 | ND | 0.49 |
| Arochlor 1242 | 1 | 87.79 | 0.0173 | ND | 0.49 |
| Arochlor 1248 | 1 | 87.79 | 0.0069 | ND | 0.49 |
| Arochlor 1254 | 1 | 87.79 | 0.0043 | ND | 0.49 |
| Arochlor 1260 | 1 | 87.79 | 0.0039 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3836.22 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/3/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-247 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 91.78 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 91.78 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 91.78 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 91.78 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 91.78 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 91.78 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 91.78 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 91.78 | 0.0005 | ND | NLE |
| 4,4'-DDE | 100 | 91.78 | 0.0429 | 0.408 | 2 |
| Dieldrin | 1 | 91.78 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 91.78 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 91.78 | 0.0004 | ND | NLE |
| 4,4'-DDD | 100 | 91.78 | 0.0644 | 0.145 | 3 |
| Endrin Aldehyde | 1 | 91.78 | 0.0005 | ND | NLE |
| 4,4'-DDT | 100 | 91.78 | 0.1181 | 1.918 | 2 |
| Endosulfan-Sulfate | 1 | 91.78 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 91.78 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 91.78 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 91.78 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 91.78 | 0.0120 | ND | 0.49 |
| Arochlor 1221 | 1 | 91.78 | 0.0221 | ND | 0.49 |
| Arochlor 1232 | 1 | 91.78 | 0.0150 | ND | 0.49 |
| Arochlor 1242 | 1 | 91.78 | 0.0172 | ND | 0.49 |
| Arochlor 1248 | 1 | 91.78 | 0.0069 | ND | 0.49 |
| Arochlor 1254 | 1 | 91.78 | 0.0043 | ND | 0.49 |
| Arochlor 1260 | 1 | 91.78 | 0.0039 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3836.24 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/3/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-248 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 94.67 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 94.67 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 94.67 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 94.67 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 94.67 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 94.67 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 94.67 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 94.67 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1 | 94.67 | 0.0004 | 0.083 | 2 |
| Dieldrin | 1 | 94.67 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 94.67 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 94.67 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 94.67 | 0.0006 | 0.045 | 3 |
| Endrin Aldehyde | 1 | 94.67 | 0.0005 | ND | NLE |
| 4,4'-DDT | 10 | 94.67 | 0.0111 | 0.525 | 2 |
| Endosulfan-Sulfate | 1 | 94.67 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 94.67 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 94.67 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 94.67 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 94.67 | 0.0113 | ND | 0.49 |
| Arochlor 1221 | 1 | 94.67 | 0.0208 | ND | 0.49 |
| Arochlor 1232 | 1 | 94.67 | 0.0141 | ND | 0.49 |
| Arochlor 1242 | 1 | 94.67 | 0.0161 | ND | 0.49 |
| Arochlor 1248 | 1 | 94.67 | 0.0065 | ND | 0.49 |
| Arochlor 1254 | 1 | 94.67 | 0.0040 | ND | 0.49 |
| Arochlor 1260 | 1 | 94.67 | 0.0036 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3836.26 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/5/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-249 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 93.23 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 93.23 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 93.23 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 93.23 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 93.23 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 93.23 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 93.23 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 93.23 | 0.0005 | ND | NLE |
| 4,4'-DDE | 10 | 93.23 | 0.0041 | 0.903 | 2 |
| Dieldrin | 1 | 93.23 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 93.23 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 93.23 | 0.0004 | ND | NLE |
| 4,4'-DDD | 10 | 93.23 | 0.0061 | 0.378 | 3 |
| Endrin Aldehyde | 1 | 93.23 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1000 | 93.23 | 1.1216 | 13.949 | 2 |
| Endosulfan-Sulfate | 1 | 93.23 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 93.23 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 93.23 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 93.23 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 93.23 | 0.0114 | ND | 0.49 |
| Arochlor 1221 | 1 | 93.23 | 0.0210 | ND | 0.49 |
| Arochlor 1232 | 1 | 93.23 | 0.0143 | ND | 0.49 |
| Arochlor 1242 | 1 | 93.23 | 0.0163 | ND | 0.49 |
| Arochlor 1248 | 1 | 93.23 | 0.0065 | ND | 0.49 |
| Arochlor 1254 | 1 | 93.23 | 0.0041 | ND | 0.49 |
| Arochlor 1260 | 1 | 93.23 | 0.0037 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3836.28 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/5/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-250 |

| Pesticide/PCB | 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 | 0.0006 | ND | NLE |
| 4,4'-DDE | 1000 | 89.41 | 0.4421 | 3.330 | 2 |
| Dieldrin | 1 | 89.41 | 0.0006 | ND | 0.042 |
| Endrin | 1 | 89.41 | 0.0006 | ND | 17 |
| Endosulfan II | 1 | 89.41 | 0.0004 | ND | NLE |
| 4,4'-DDD | 10 | 89.41 | 0.0066 | 0.729 | 3 |
| Endrin Aldehyde | 1 | 89.41 | 0.0006 | ND | NLE |
| 4,4'-DDT | 1000 | 89.41 | 1.2157 | 23.629 | 2 |
| Endosulfan-Sulfate | 1 | 89.41 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 89.41 | 0.0006 | 0.015 | NLE |
| alpha-Chlordane | 1 | 89.41 | 0.0006 | 0.023 | NLE |
| Toxaphene | 1 | 89.41 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 89.41 | 0.0124 | ND | 0.49 |
| Arochlor 1221 | 1 | 89.41 | 0.0228 | ND | 0.49 |
| Arochlor 1232 | 1 | 89.41 | 0.0155 | ND | 0.49 |
| Arochlor 1242 | 1 | 89.41 | 0.0177 | ND | 0.49 |
| Arochlor 1248 | 1 | 89.41 | 0.0071 | ND | 0.49 |
| Arochlor 1254 | 1 | 89.41 | 0.0044 | ND | 0.49 |
| Arochlor 1260 | 1 | 89.41 | 0.0040 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3836.30 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/5/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-251 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 91.07 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 91.07 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 91.07 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 91.07 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 91.07 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 91.07 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 91.07 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 91.07 | 0.0005 | ND | NLE |
| 4,4'-DDE | 100 | 91.07 | 0.0408 | 0.742 | 2 |
| Dieldrin | 1 | 91.07 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 91.07 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 91.07 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 91.07 | 0.0006 | 0.046 | 3 |
| Endrin Aldehyde | 1 | 91.07 | 0.0005 | ND | NLE |
| 4,4'-DDT | 100 | 91.07 | 0.1123 | 2.094 | 2 |
| Endosulfan-Sulfate | 1 | 91.07 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 91.07 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 91.07 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 91.07 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 91.07 | 0.0114 | ND | 0.49 |
| Arochlor 1221 | 1 | 91.07 | 0.0210 | ND | 0.49 |
| Arochlor 1232 | 1 | 91.07 | 0.0143 | ND | 0.49 |
| Arochlor 1242 | 1 | 91.07 | 0.0163 | ND | 0.49 |
| Arochlor 1248 | 1 | 91.07 | 0.0065 | ND | 0.49 |
| Arochlor 1254 | 1 | 91.07 | 0.0041 | ND | 0.49 |
| Arochlor 1260 | 1 | 91.07 | 0.0037 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3836.32 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/5/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-252 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 92.62 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 92.62 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 92.62 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 92.62 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 92.62 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 92.62 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 92.62 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 92.62 | 0.0005 | ND | NLE |
| 4,4'-DDE | 100 | 92.62 | 0.0400 | 1.104 | 2 |
| Dieldrin | 1 | 92.62 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 92.62 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 92.62 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 92.62 | 0.0006 | 0.041 | 3 |
| Endrin Aldehyde | 1 | 92.62 | 0.0005 | ND | NLE |
| 4,4'-DDT | 100 | 92.62 | 0.1100 | 1.746 | 2 |
| Endosulfan-Sulfate | 1 | 92.62 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 92.62 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 92.62 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 92.62 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 92.62 | 0.0112 | ND | 0.49 |
| Arochlor 1221 | 1 | 92.62 | 0.0206 | ND | 0.49 |
| Arochlor 1232 | 1 | 92.62 | 0.0140 | ND | 0.49 |
| Arochlor 1242 | 1 | 92.62 | 0.0160 | ND | 0.49 |
| Arochlor 1248 | 1 | 92.62 | 0.0064 | ND | 0.49 |
| Arochlor 1254 | 1 | 92.62 | 0.0040 | ND | 0.49 |
| Arochlor 1260 | 1 | 92.62 | 0.0036 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3836.34 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/5/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-253 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 93.60 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 93.60 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 93.60 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 93.60 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 93.60 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 93.60 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 93.60 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 93.60 | 0.0005 | ND | NLE |
| 4,4'-DDE | 20 | 93.60 | 0.0080 | 0.230 | 2 |
| Dieldrin | 1 | 93.60 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 93.60 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 93.60 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1 | 93.60 | 0.0006 | 0.043 | 3 |
| Endrin Aldehyde | 1 | 93.60 | 0.0005 | ND | NLE |
| 4,4'-DDT | 20 | 93.60 | 0.0219 | 0.856 | 2 |
| Endosulfan-Sulfate | 1 | 93.60 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 93.60 | 0.0005 | ND | NLE |
| alpha-Chlordane | 1 | 93.60 | 0.0005 | ND | NLE |
| Toxaphene | 1 | 93.60 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 93.60 | 0.0111 | ND | 0.49 |
| Arochlor 1221 | 1 | 93.60 | 0.0205 | ND | 0.49 |
| Arochlor 1232 | 1 | 93.60 | 0.0139 | ND | 0.49 |
| Arochlor 1242 | 1 | 93.60 | 0.0159 | ND | 0.49 |
| Arochlor 1248 | 1 | 93.60 | 0.0064 | ND | 0.49 |
| Arochlor 1254 | 1 | 93.60 | 0.0040 | ND | 0.49 |
| Arochlor 1260 | 1 | 93.60 | 0.0036 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

| | | | |
|---|---|---|---|
| **Client :** | U.S. Army | **Lab. ID # :** | 3836.36 |
| | DPW. SELFM-PW-EV | **Date Rec'd:** | 8/27/98 |
| | Bldg. 173 | **Extraction Date:** | 8/27/98 |
| | Ft. Monmouth, NJ 07703 | **Analysis Date:** | 10/5/98 |
| **Analysis:** | SW-846 Method 8081/8082 | **Location :** | M-5 |
| **Matrix:** | Soil | | |
| **Analyst:** | D. Wright | **Field ID:** | B-254 |

| Pesticide/PCB | Dilution Factor | % Solid | MDL (mg/kg) | Result (mg/kg) | Cleanup Criteria (mg/kg) |
|---|---|---|---|---|---|
| alpha-BHC | 1 | 94.12 | 0.0003 | ND | NLE |
| beta-BHC | 1 | 94.12 | 0.0003 | ND | NLE |
| gamma-BHC | 1 | 94.12 | 0.0004 | ND | 0.52 |
| delta-BHC | 1 | 94.12 | 0.0004 | ND | NLE |
| Heptachlor | 1 | 94.12 | 0.0003 | ND | 0.15 |
| Aldrin | 1 | 94.12 | 0.0004 | ND | 0.04 |
| Heptachlor Epoxide | 1 | 94.12 | 0.0006 | ND | NLE |
| Endosulfan I | 1 | 94.12 | 0.0005 | ND | NLE |
| 4,4'-DDE | 1000 | 94.12 | 0.4150 | 4.185 | 2 |
| Dieldrin | 1 | 94.12 | 0.0005 | ND | 0.042 |
| Endrin | 1 | 94.12 | 0.0005 | ND | 17 |
| Endosulfan II | 1 | 94.12 | 0.0004 | ND | NLE |
| 4,4'-DDD | 1000 | 94.12 | 0.6225 | 3.787 | 3 |
| Endrin Aldehyde | 1 | 94.12 | 0.0005 | ND | NLE |
| 4,4'-DDT | 1000 | 94.12 | 1.1413 | 56.446 | 2 |
| Endosulfan-Sulfate | 1 | 94.12 | 0.0004 | ND | NLE |
| gamma -Chlordane | 1 | 94.12 | 0.0005 | 0.021 | NLE |
| alpha-Chlordane | 1 | 94.12 | 0.0005 | 0.026 | NLE |
| Toxaphene | 1 | 94.12 | 0.0003 | ND | 0.1 |
| Arochlor 1016 | 1 | 94.12 | 0.0116 | ND | 0.49 |
| Arochlor 1221 | 1 | 94.12 | 0.0214 | ND | 0.49 |
| Arochlor 1232 | 1 | 94.12 | 0.0145 | ND | 0.49 |
| Arochlor 1242 | 1 | 94.12 | 0.0166 | ND | 0.49 |
| Arochlor 1248 | 1 | 94.12 | 0.0066 | ND | 0.49 |
| Arochlor 1254 | 1 | 94.12 | 0.0042 | ND | 0.49 |
| Arochlor 1260 | 1 | 94.12 | 0.0037 | ND | 0.49 |

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPestcide 30m/.32mmID/.25um
Column-Confirmation: RTX-CLPestcide2 30m/.32mmID/.25um

# METHOD BLANKS

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3472
Sample Received: 04/10/98
Sample Preparation: 04/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

**METHOD BLANK SUMMARY (mg/L)**

| Element | Date Analyzed | Result | MDL |
|---|---|---|---|
| Aluminum | 04/30/98 | 0.139 | 0.01 |
| Antimony | 04/30/98 | ND | 0.002 |
| Arsenic | 04/30/98 | ND | 0.002 |
| Barium | 04/30/98 | ND | 0.0005 |
| Beryllium | 04/30/98 | ND | 0.0005 |
| Cadmium | 04/30/98 | ND | 0.0005 |
| Calcium | 04/30/98 | 0.624 | 0.02 |
| Chromium | 04/30/98 | ND | 0.0005 |
| Cobalt | 04/30/98 | ND | 0.0005 |
| Copper | 04/30/98 | 0.004 | 0.003 |
| Iron | 04/30/98 | 0.301 | 0.01 |
| Lead | 04/30/98 | ND | 0.002 |
| Magnesium | 04/30/98 | 0.135 | 0.02 |
| Manganese | 04/30/98 | 0.0038 | 0.0005 |
| Mercury | 04/24/98 | ND | 0.0002 |
| Nickel | 04/30/98 | 0.0017 | 0.0005 |
| Potassium | 04/30/98 | 0.059 | 0.02 |
| Selenium | 04/30/98 | ND | 0.002 |
| Silver | 04/30/98 | ND | 0.003 |
| Sodium | 04/30/98 | 0.642 | 0.02 |
| Thallium | 04/30/98 | ND | 0.003 |
| Vanadium | 04/30/98 | ND | 0.001 |
| Zinc | 04/30/98 | 0.025 | 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 #: 3485
Sample Received: 04/15/98
Sample Preparation: 04/28/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

**METHOD BLANK SUMMARY (mg/L)**

| Element | Date Analyzed | Result | MDL |
|---|---|---|---|
| Aluminum | 4/30/98 | ND | 0.01 |
| Antimony | 4/30/98 | ND | 0.002 |
| Arsenic | 4/30/98 | ND | 0.002 |
| Barium | 4/30/98 | ND | 0.0005 |
| Beryllium | 4/30/98 | ND | 0.0005 |
| Cadmium | 4/30/98 | ND | 0.0005 |
| Calcium | 4/30/98 | 0.44 | 0.02 |
| Chromium | 4/30/98 | ND | 0.0005 |
| Cobalt | 4/30/98 | ND | 0.0005 |
| Copper | 4/30/98 | ND | 0.003 |
| Iron | 4/30/98 | 0.12 | 0.01 |
| Lead | 4/30/98 | ND | 0.002 |
| Magnesium | 4/30/98 | 0.05 | 0.02 |
| Manganese | 4/30/98 | 0.0040 | 0.0005 |
| Mercury | 4/24/98 | ND | 0.0002 |
| Nickel | 4/30/98 | ND | 0.0005 |
| Potassium | 4/30/98 | ND | 0.02 |
| Selenium | 4/30/98 | ND | 0.002 |
| Silver | 4/30/98 | ND | 0.003 |
| Sodium | 4/30/98 | 0.40 | 0.02 |
| Thallium | 4/30/98 | ND | 0.003 |
| Vanadium | 4/30/98 | ND | 0.001 |
| Zinc | 4/30/98 | ND | 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 #: 3543
Sample Received: 05/04/98
Sample Preparation: 05/07/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

**METHOD BLANK SUMMARY (mg/L)**

| Element | Date Analyzed | Result | MDL |
|---|---|---|---|
| Aluminum | 05/12/98 | 0.08 | 0.01 |
| Antimony | 05/12/98 | ND | 0.002 |
| Arsenic | 05/12/98 | ND | 0.002 |
| Barium | 05/12/98 | 0.0043 | 0.0005 |
| Beryllium | 05/12/98 | ND | 0.0005 |
| Cadmium | 05/12/98 | ND | 0.0005 |
| Calcium | 05/12/98 | 0.87 | 0.02 |
| Chromium | 05/12/98 | ND | 0.0005 |
| Cobalt | 05/12/98 | ND | 0.0005 |
| Copper | 05/12/98 | 0.014 | 0.003 |
| Iron | 05/12/98 | 0.09 | 0.01 |
| Lead | 05/12/98 | ND | 0.002 |
| Magnesium | 05/12/98 | 0.16 | 0.02 |
| Manganese | 05/12/98 | 0.0025 | 0.0005 |
| Mercury | 04/24/98 | ND | 0.0002 |
| Nickel | 05/12/98 | 0.0046 | 0.0005 |
| Potassium | 05/12/98 | 0.05 | 0.02 |
| Selenium | 05/12/98 | ND | 0.002 |
| Silver | 05/12/98 | ND | 0.003 |
| Sodium | 05/12/98 | 2.71 | 0.02 |
| Thallium | 05/12/98 | ND | 0.003 |
| Vanadium | 05/12/98 | ND | 0.001 |
| Zinc | 05/12/98 | 0.033 | 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 #: 3584
Sample Received: 05/20/98
Sample Preparation: 05/29/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

**METHOD BLANK SUMMARY (mg/L)**

| Element | Date Analyzed | Result | MDL |
|---|---|---|---|
| Aluminum | 06/02/98 | 0.03 | 0.01 |
| Antimony | 06/02/98 | 0.006 | 0.002 |
| Arsenic | 06/02/98 | ND | 0.002 |
| Barium | 06/02/98 | 0.0014 | 0.0005 |
| Beryllium | 06/02/98 | ND | 0.0005 |
| Cadmium | 06/02/98 | 0.0011 | 0.0005 |
| Calcium | 06/02/98 | 0.31 | 0.02 |
| Chromium | 06/02/98 | ND | 0.0005 |
| Cobalt | 06/02/98 | ND | 0.0005 |
| Copper | 06/02/98 | ND | 0.003 |
| Iron | 06/02/98 | 0.03 | 0.01 |
| Lead | 06/02/98 | ND | 0.002 |
| Magnesium | 06/02/98 | 0.06 | 0.02 |
| Manganese | 06/02/98 | 0.0015 | 0.0005 |
| Mercury | 06/02/98 | ND | 0.0002 |
| Nickel | 06/02/98 | 0.0016 | 0.0005 |
| Potassium | 06/02/98 | ND | 0.02 |
| Selenium | 06/02/98 | ND | 0.002 |
| Silver | 06/02/98 | ND | 0.003 |
| Sodium | 06/02/98 | 0.32 | 0.02 |
| Thallium | 06/02/98 | ND | 0.003 |
| Vanadium | 06/02/98 | ND | 0.001 |
| Zinc | 06/02/98 | 0.021 | 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 #: 3588
Sample Received: 05/21/98
Sample Preparation: 06/01/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

**METHOD BLANK SUMMARY (mg/L)**

| Element | Date Analyzed | Result | MDL |
|---|---|---|---|
| Aluminum | 06/02/98 | ND | 0.01 |
| Antimony | 06/02/98 | ND | 0.002 |
| Arsenic | 06/02/98 | ND | 0.002 |
| Barium | 06/02/98 | 0.8750 | 0.0005 |
| Beryllium | 06/02/98 | ND | 0.0005 |
| Cadmium | 06/02/98 | ND | 0.0005 |
| Calcium | 06/02/98 | ND | 0.02 |
| Chromium | 06/02/98 | ND | 0.0005 |
| Cobalt | 06/02/98 | ND | 0.0005 |
| Copper | 06/02/98 | ND | 0.003 |
| Iron | 06/02/98 | ND | 0.01 |
| Lead | 06/02/98 | ND | 0.002 |
| Magnesium | 06/02/98 | ND | 0.02 |
| Manganese | 06/02/98 | ND | 0.0005 |
| Mercury | 06/02/98 | ND | 0.0002 |
| Nickel | 06/02/98 | ND | 0.0005 |
| Potassium | 06/02/98 | ND | 0.02 |
| Selenium | 06/02/98 | ND | 0.002 |
| Silver | 06/02/98 | ND | 0.003 |
| Sodium | 06/02/98 | ND | 0.02 |
| Thallium | 06/02/98 | ND | 0.003 |
| Vanadium | 06/02/98 | ND | 0.001 |
| Zinc | 06/02/98 | ND | 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 #: 3686
Sample Preparation: 06/30/98

Site: M-5
Ft. Monmouth, New Jersey

**METHOD BLANK SUMMARY (mg/L)**

| Element | Date Analyzed | Result | MDL |
|---|---|---|---|
| Aluminum | 07/01/98 | 0.059 | 0.01 |
| Antimony | 07/01/98 | 0.008 | 0.002 |
| Arsenic | 07/01/98 | ND | 0.002 |
| Barium | 07/01/98 | 0.0026 | 0.0005 |
| Beryllium | 07/01/98 | ND | 0.0005 |
| Cadmium | 07/01/98 | 0.0015 | 0.0005 |
| Calcium | 07/01/98 | 0.305 | 0.02 |
| Chromium | 07/01/98 | ND | 0.0005 |
| Cobalt | 07/01/98 | ND | 0.0005 |
| Copper | 07/01/98 | 0.005 | 0.003 |
| Iron | 07/01/98 | 0.046 | 0.01 |
| Lead | 07/01/98 | ND | 0.002 |
| Magnesium | 07/01/98 | 0.089 | 0.02 |
| Manganese | 07/01/98 | 0.0090 | 0.0005 |
| Mercury | 07/06/98 | ND | 0.0002 |
| Nickel | 07/01/98 | 0.0031 | 0.0005 |
| Potassium | 07/01/98 | 0.021 | 0.02 |
| Selenium | 07/01/98 | ND | 0.002 |
| Silver | 07/01/98 | ND | 0.003 |
| Sodium | 07/01/98 | ND | 0.02 |
| Thallium | 07/01/98 | ND | 0.003 |
| Vanadium | 07/01/98 | ND | 0.001 |
| Zinc | 07/01/98 | 0.008 | 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 #: 3722
Sample Preparation: 08/11/98

Site: M-5
Ft. Monmouth, New Jersey

**METHOD BLANK SUMMARY (mg/L)**

| Element | Date Analyzed | Result | MDL |
|---|---|---|---|
| Aluminum | 08/12/98 | 0.265 | 0.01 |
| Antimony | 08/12/98 | 0.009 | 0.002 |
| Arsenic | 08/12/98 | ND | 0.002 |
| Barium | 08/12/98 | 0.0040 | 0.0005 |
| Beryllium | 08/12/98 | ND | 0.0005 |
| Cadmium | 08/12/98 | 0.0013 | 0.0005 |
| Calcium | 08/12/98 | 0.487 | 0.02 |
| Chromium | 08/12/98 | ND | 0.0005 |
| Cobalt | 08/12/98 | ND | 0.0005 |
| Copper | 08/12/98 | 0.005 | 0.003 |
| Iron | 08/12/98 | 0.089 | 0.01 |
| Lead | 08/12/98 | ND | 0.002 |
| Magnesium | 08/12/98 | 0.201 | 0.02 |
| Manganese | 08/12/98 | 0.0067 | 0.0005 |
| Mercury | 07/29/98 | ND | 0.0002 |
| Nickel | 08/12/98 | 0.0008 | 0.0005 |
| Potassium | 08/12/98 | 0.049 | 0.02 |
| Selenium | 08/12/98 | ND | 0.002 |
| Silver | 08/12/98 | ND | 0.003 |
| Sodium | 08/12/98 | 0.174 | 0.02 |
| Thallium | 08/12/98 | ND | 0.003 |
| Vanadium | 08/12/98 | ND | 0.001 |
| Zinc | 08/12/98 | 0.022 | 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 #: 3836
Sample Preparation: 08/27/98

Site: M-5
Ft. Monmouth, New Jersey

**METHOD BLANK SUMMARY (mg/L)**

| Element | Date Analyzed | Result | MDL |
|---|---|---|---|
| Aluminum | 08/31/98 | 0.098 | 0.01 |
| Antimony | 08/31/98 | ND | 0.002 |
| Arsenic | 08/31/98 | ND | 0.002 |
| Barium | 08/31/98 | 0.0019 | 0.0005 |
| Beryllium | 08/31/98 | ND | 0.0005 |
| Cadmium | 08/31/98 | ND | 0.0005 |
| Calcium | 08/31/98 | 0.289 | 0.02 |
| Chromium | 08/31/98 | 0.0010 | 0.0005 |
| Cobalt | 08/31/98 | 0.0012 | 0.0005 |
| Copper | 08/31/98 | ND | 0.003 |
| Iron | 08/31/98 | 0.149 | 0.01 |
| Lead | 08/31/98 | ND | 0.002 |
| Magnesium | 08/31/98 | 0.050 | 0.02 |
| Manganese | 08/31/98 | 0.0665 | 0.0005 |
| Mercury | 08/31/98 | ND | 0.0002 |
| Nickel | 08/31/98 | ND | 0.0005 |
| Potassium | 08/31/98 | 0.131 | 0.02 |
| Selenium | 08/31/98 | ND | 0.002 |
| Silver | 08/31/98 | ND | 0.003 |
| Sodium | 08/31/98 | 0.983 | 0.02 |
| Thallium | 08/31/98 | 0.004 | 0.003 |
| Vanadium | 08/31/98 | ND | 0.001 |
| Zinc | 08/31/98 | 0.027 | 0.001 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# FIELD DUPLICATES

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3479.15
Sample Received: 04/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: Field Dup, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 6500 | NLE | 1.008 |
| Antimony | 05/12/98 | 0.811 | 14 | 0.202 |
| Arsenic | 05/12/98 | 6.743 | 20 | 0.202 |
| Barium | 05/12/98 | 18.78 | 700 | 0.050 |
| Beryllium | 05/12/98 | 0.7200 | 1 | 0.050 |
| Cadmium | 05/12/98 | ND | 1 | 0.050 |
| Calcium | 05/12/98 | 1079 | NLE | 2.015 |
| Chromium | 05/12/98 | 53.19 | NLE | 0.050 |
| Cobalt | 05/12/98 | 2.142 | NLE | 0.050 |
| Copper | 05/12/98 | 4.971 | 600 | 0.302 |
| Iron | 05/12/98 | 19270 | NLE | 1.008 |
| Lead | 05/12/98 | 11.83 | 100 | 0.202 |
| Magnesium | 05/12/98 | 2083 | NLE | 2.015 |
| Manganese | 05/12/98 | 67.71 | NLE | 0.050 |
| Mercury | 04/24/98 | 0.011 | 14 | 0.011 |
| Nickel | 05/12/98 | 5.720 | 250 | 0.050 |
| Potassium | 05/12/98 | 4347 | NLE | 2.015 |
| Selenium | 05/12/98 | ND | 63 | 0.302 |
| Silver | 05/12/98 | ND | 110 | 0.302 |
| Sodium | 05/12/98 | 33.37 | NLE | 2.015 |
| Thallium | 05/12/98 | ND | 2 | 0.302 |
| Vanadium | 05/12/98 | 34.59 | 370 | 0.101 |
| Zinc | 05/12/98 | 32.86 | 1500 | 0.101 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3543.18
Sample Received: 05/04/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: Field Dup, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 4159 | NLE | 1.443 |
| Antimony | 05/12/98 | 0.732 | 14 | 0.289 |
| Arsenic | 05/12/98 | 9.162 | 20 | 0.289 |
| Barium | 05/12/98 | 105.3 | 700 | 0.072 |
| Beryllium | 05/12/98 | 0.5650 | 1 | 0.072 |
| Cadmium | 05/12/98 | 2.775 | 1 | 0.072 |
| Calcium | 05/12/98 | 1607 | NLE | 2.887 |
| Chromium | 05/12/98 | 11.39 | NLE | 0.072 |
| Cobalt | 05/12/98 | 3.668 | NLE | 0.072 |
| Copper | 05/12/98 | 55.16 | 600 | 0.433 |
| Iron | 05/12/98 | 9241 | NLE | 1.443 |
| Lead | 05/12/98 | 165.5 | 100 | 0.289 |
| Magnesium | 05/12/98 | 318.6 | NLE | 2.887 |
| Manganese | 05/12/98 | 185.6 | NLE | 0.072 |
| Mercury | 05/12/98 | 0.389 | 14 | 0.027 |
| Nickel | 05/12/98 | 9.258 | 250 | 0.072 |
| Potassium | 05/12/98 | 379.1 | NLE | 2.887 |
| Selenium | 05/12/98 | 0.996 | 63 | 0.433 |
| Silver | 05/12/98 | 0.564 | 110 | 0.433 |
| Sodium | 05/12/98 | 870.9 | NLE | 2.887 |
| Thallium | 05/12/98 | ND | 2 | 0.433 |
| Vanadium | 05/12/98 | 15.84 | 370 | 0.144 |
| Zinc | 05/12/98 | 75.11 | 1500 | 0.144 |

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 #: 3567.23
Sample Received: 05/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: Field Dup, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 3373 | NLE | 1.136 |
| Antimony | 06/02/98 | 0.739 | 14 | 0.227 |
| Arsenic | 06/02/98 | 3.770 | 20 | 0.227 |
| Barium | 06/02/98 | 11.22 | 700 | 0.057 |
| Beryllium | 06/02/98 | 0.4787 | 1 | 0.057 |
| Cadmium | 06/02/98 | ND | 1 | 0.057 |
| Calcium | 06/02/98 | 91.75 | NLE | 2.272 |
| Chromium | 06/02/98 | 37.19 | NLE | 0.057 |
| Cobalt | 06/02/98 | 0.2997 | NLE | 0.057 |
| Copper | 06/02/98 | 3.553 | 600 | 0.341 |
| Iron | 06/02/98 | 12740 | NLE | 1.136 |
| Lead | 06/02/98 | 34.32 | 100 | 0.227 |
| Magnesium | 06/02/98 | 498.5 | NLE | 2.272 |
| Manganese | 06/02/98 | 9.593 | NLE | 0.057 |
| Mercury | 05/18/98 | 0.104 | 14 | 0.035 |
| Nickel | 06/02/98 | 2.124 | 250 | 0.057 |
| Potassium | 06/02/98 | 839.2 | NLE | 2.272 |
| Selenium | 06/02/98 | ND | 63 | 0.341 |
| Silver | 06/02/98 | ND | 110 | 0.341 |
| Sodium | 06/02/98 | 7.482 | NLE | 2.272 |
| Thallium | 06/02/98 | ND | 2 | 0.341 |
| Vanadium | 06/02/98 | 33.17 | 370 | 0.114 |
| Zinc | 06/02/98 | 20.20 | 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 #: 3580.38
Sample Received: 05/19/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: Field Dup, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 10910 | NLE | 1.287 |
| Antimony | 06/02/98 | 1.600 | 14 | 0.257 |
| Arsenic | 06/02/98 | 11.24 | 20 | 0.257 |
| Barium | 06/02/98 | 21.68 | 700 | 0.064 |
| Beryllium | 06/02/98 | 1.322 | 1 | 0.064 |
| Cadmium | 06/02/98 | ND | 1 | 0.064 |
| Calcium | 06/02/98 | 297.0 | NLE | 2.574 |
| Chromium | 06/02/98 | 149.7 | NLE | 0.064 |
| Cobalt | 06/02/98 | 4.822 | NLE | 0.064 |
| Copper | 06/02/98 | ND | 600 | 0.386 |
| Iron | 06/02/98 | 65860 | NLE | 1.287 |
| Lead | 06/02/98 | 8.234 | 100 | 0.257 |
| Magnesium | 06/02/98 | 848.1 | NLE | 2.574 |
| Manganese | 06/02/98 | 68.32 | NLE | 0.064 |
| Mercury | 05/18/98 | ND | 14 | 0.022 |
| Nickel | 06/02/98 | 17.24 | 250 | 0.064 |
| Potassium | 06/02/98 | 1996 | NLE | 2.574 |
| Selenium | 06/02/98 | ND | 63 | 0.386 |
| Silver | 06/02/98 | ND | 110 | 0.386 |
| Sodium | 06/02/98 | 90.62 | NLE | 2.574 |
| Thallium | 06/02/98 | ND | 2 | 0.386 |
| Vanadium | 06/02/98 | 183.2 | 370 | 0.129 |
| Zinc | 06/02/98 | 74.82 | 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 #: 3665.25
Sample Received: 06/18/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: Field Dup, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 07/01/98 | 6418 | NLE | 1.216 |
| Antimony | 07/01/98 | 0.678 | 14 | 0.243 |
| Arsenic | 07/01/98 | 8.753 | 20 | 0.243 |
| Barium | 07/01/98 | 18.20 | 700 | 0.061 |
| Beryllium | 07/01/98 | 0.7039 | 1 | 0.061 |
| Cadmium | 07/01/98 | ND | 1 | 0.061 |
| Calcium | 07/01/98 | 604.4 | NLE | 2.433 |
| Chromium | 07/01/98 | 53.40 | NLE | 0.061 |
| Cobalt | 07/01/98 | 2.825 | NLE | 0.061 |
| Copper | 07/01/98 | 5.783 | 600 | 0.365 |
| Iron | 07/01/98 | 28760 | NLE | 1.216 |
| Lead | 07/01/98 | 17.83 | 100 | 0.243 |
| Magnesium | 07/01/98 | 859.9 | NLE | 2.433 |
| Manganese | 07/01/98 | 63.65 | NLE | 0.061 |
| Mercury | 07/06/98 | ND | 14 | 0.024 |
| Nickel | 07/01/98 | 7.369 | 250 | 0.061 |
| Potassium | 07/01/98 | 1671 | NLE | 2.433 |
| Selenium | 07/01/98 | ND | 63 | 0.365 |
| Silver | 07/01/98 | ND | 110 | 0.365 |
| Sodium | 07/01/98 | 34.22 | NLE | 2.433 |
| Thallium | 07/01/98 | ND | 2 | 0.365 |
| Vanadium | 07/01/98 | 66.43 | 370 | 0.122 |
| Zinc | 07/01/98 | 41.11 | 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 #: 3722.24
Sample Received:07/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: Field Dup, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/12/98 | 3330 | NLE | 1.132 |
| Antimony | 08/12/98 | ND | 14 | 0.226 |
| Arsenic | 08/12/98 | 3.72 | 20 | 0.226 |
| Barium | 08/12/98 | 21.7 | 700 | 0.057 |
| Beryllium | 08/12/98 | 0.492 | 1 | 0.057 |
| Cadmium | 08/12/98 | ND | 1 | 0.057 |
| Calcium | 08/12/98 | 668 | NLE | 2.264 |
| Chromium | 08/12/98 | 34.5 | NLE | 0.057 |
| Cobalt | 08/12/98 | 1.34 | NLE | 0.057 |
| Copper | 08/12/98 | 9.92 | 600 | 0.340 |
| Iron | 08/12/98 | 12100 | NLE | 1.132 |
| Lead | 08/12/98 | 13.5 | 100 | 0.226 |
| Magnesium | 08/12/98 | 975 | NLE | 2.264 |
| Manganese | 08/12/98 | 44.3 | NLE | 0.057 |
| Mercury | 07/29/98 | 0.019 | 14 | 0.021 |
| Nickel | 08/12/98 | 3.90 | 250 | 0.057 |
| Potassium | 08/12/98 | 2050 | NLE | 2.264 |
| Selenium | 08/12/98 | ND | 63 | 0.340 |
| Silver | 08/12/98 | ND | 110 | 0.340 |
| Sodium | 08/12/98 | 59.2 | NLE | 2.264 |
| Thallium | 08/12/98 | ND | 2 | 0.340 |
| Vanadium | 08/12/98 | 21.7 | 370 | 0.113 |
| Zinc | 08/12/98 | 34.8 | 1500 | 0.113 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3805.32
Sample Received:08/12/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: Field Dup, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 2490 | NLE | 1.224 |
| Antimony | 08/31/98 | ND | 14 | 0.245 |
| Arsenic | 08/31/98 | 4.96 | 20 | 0.245 |
| Barium | 08/31/98 | 50.1 | 700 | 0.061 |
| Beryllium | 08/31/98 | 0.266 | 1 | 0.061 |
| Cadmium | 08/31/98 | ND | 1 | 0.061 |
| Calcium | 08/31/98 | 823 | NLE | 2.449 |
| Chromium | 08/31/98 | 5.31 | NLE | 0.061 |
| Cobalt | 08/31/98 | 1.77 | NLE | 0.061 |
| Copper | 08/31/98 | 23.6 | 600 | 0.367 |
| Iron | 08/31/98 | 4580 | NLE | 1.224 |
| Lead | 08/31/98 | 11.2 | 100 | 0.245 |
| Magnesium | 08/31/98 | 256 | NLE | 2.449 |
| Manganese | 08/31/98 | 19.3 | NLE | 0.061 |
| Mercury | 08/20/98 | 0.000 | 14 | 0.021 |
| Nickel | 08/31/98 | 5.28 | 250 | 0.061 |
| Potassium | 08/31/98 | 488 | NLE | 2.449 |
| Selenium | 08/31/98 | ND | 63 | 0.367 |
| Silver | 08/31/98 | ND | 110 | 0.367 |
| Sodium | 08/31/98 | 278 | NLE | 2.449 |
| Thallium | 08/31/98 | 0.513 | 2 | 0.367 |
| Vanadium | 08/31/98 | 11.8 | 370 | 0.122 |
| Zinc | 08/31/98 | 34.2 | 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 #: 3809.24
Sample Received:08/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: Field Dup, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 4200 | NLE | 1.089 |
| Antimony | 08/31/98 | 0.382 | 14 | 0.218 |
| Arsenic | 08/31/98 | 7.26 | 20 | 0.218 |
| Barium | 08/31/98 | 36.0 | 700 | 0.054 |
| Beryllium | 08/31/98 | 0.449 | 1 | 0.054 |
| Cadmium | 08/31/98 | ND | 1 | 0.054 |
| Calcium | 08/31/98 | 779 | NLE | 2.178 |
| Chromium | 08/31/98 | 25.5 | NLE | 0.054 |
| Cobalt | 08/31/98 | 2.24 | NLE | 0.054 |
| Copper | 08/31/98 | 30.0 | 600 | 0.327 |
| Iron | 08/31/98 | 14500 | NLE | 1.089 |
| Lead | 08/31/98 | 162 | 100 | 0.218 |
| Magnesium | 08/31/98 | 839 | NLE | 2.178 |
| Manganese | 08/31/98 | 43.7 | NLE | 0.054 |
| Mercury | 08/20/98 | 31.452 | 14 | 0.032 |
| Nickel | 08/31/98 | 6.30 | 250 | 0.054 |
| Potassium | 08/31/98 | 2170 | NLE | 2.178 |
| Selenium | 08/31/98 | ND | 63 | 0.327 |
| Silver | 08/31/98 | ND | 110 | 0.327 |
| Sodium | 08/31/98 | 218 | NLE | 2.178 |
| Thallium | 08/31/98 | ND | 2 | 0.327 |
| Vanadium | 08/31/98 | 25.1 | 370 | 0.109 |
| Zinc | 08/31/98 | 31.1 | 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 #: 3836.38
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: Field Dup, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 6210 | NLE | 1.188 |
| Antimony | 08/31/98 | 0.999 | 14 | 0.238 |
| Arsenic | 08/31/98 | 9.78 | 20 | 0.238 |
| Barium | 08/31/98 | 45.3 | 700 | 0.059 |
| Beryllium | 08/31/98 | 0.775 | 1 | 0.059 |
| Cadmium | 08/31/98 | ND | 1 | 0.059 |
| Calcium | 08/31/98 | 508 | NLE | 2.377 |
| Chromium | 08/31/98 | 61.9 | NLE | 0.059 |
| Cobalt | 08/31/98 | 1.07 | NLE | 0.059 |
| Copper | 08/31/98 | 13.4 | 600 | 0.357 |
| Iron | 08/31/98 | 25000 | NLE | 1.188 |
| Lead | 08/31/98 | 43.4 | 100 | 0.238 |
| Magnesium | 08/31/98 | 1810 | NLE | 2.377 |
| Manganese | 08/31/98 | 15.2 | NLE | 0.059 |
| Mercury | 08/31/98 | 0.393 | 14 | 0.024 |
| Nickel | 08/31/98 | 5.16 | 250 | 0.059 |
| Potassium | 08/31/98 | 6560 | NLE | 2.377 |
| Selenium | 08/31/98 | ND | 63 | 0.357 |
| Silver | 08/31/98 | ND | 110 | 0.357 |
| Sodium | 08/31/98 | 463 | NLE | 2.377 |
| Thallium | 08/31/98 | 0.945 | 2 | 0.357 |
| Vanadium | 08/31/98 | 34.5 | 370 | 0.119 |
| Zinc | 08/31/98 | 38.5 | 1500 | 0.119 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# SAMPLES

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3465.03
Sample Received: 04/08/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-1, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 4632 | NLE | 1.100 |
| Antimony | 04/30/98 | 0.891 | 14 | 0.220 |
| Arsenic | 04/30/98 | 4.120 | 20 | 0.220 |
| Barium | 04/30/98 | 13.03 | 700 | 0.055 |
| Beryllium | 04/30/98 | 0.4862 | 1 | 0.055 |
| Cadmium | 04/30/98 | ND | 1 | 0.055 |
| Calcium | 04/30/98 | 276.0 | NLE | 2.200 |
| Chromium | 04/30/98 | 46.40 | NLE | 0.055 |
| Cobalt | 04/30/98 | 1.692 | NLE | 0.055 |
| Copper | 04/30/98 | 2.887 | 600 | 0.330 |
| Iron | 04/30/98 | 18680 | NLE | 1.100 |
| Lead | 04/30/98 | 14.35 | 100 | 0.220 |
| Magnesium | 04/30/98 | 623.7 | NLE | 2.200 |
| Manganese | 04/30/98 | 47.18 | NLE | 0.055 |
| Mercury | 04/10/98 | 0.018 | 14 | 0.011 |
| Nickel | 04/30/98 | 5.762 | 250 | 0.055 |
| Potassium | 04/30/98 | 1412 | NLE | 2.200 |
| Selenium | 04/30/98 | ND | 63 | 0.330 |
| Silver | 04/30/98 | ND | 110 | 0.330 |
| Sodium | 04/30/98 | 39.52 | NLE | 2.200 |
| Thallium | 04/30/98 | ND | 2 | 0.330 |
| Vanadium | 04/30/98 | 53.06 | 370 | 0.110 |
| Zinc | 04/30/98 | 36.18 | 1500 | 0.110 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3465.07
Sample Received: 04/08/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-2, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 13450 | NLE | 1.267 |
| Antimony | 04/30/98 | 2.881 | 14 | 0.253 |
| Arsenic | 04/30/98 | 20.13 | 20 | 0.253 |
| Barium | 04/30/98 | 32.88 | 700 | 0.063 |
| Beryllium | 04/30/98 | 1.611 | 1 | 0.063 |
| Cadmium | 04/30/98 | 0.2010 | 1 | 0.063 |
| Calcium | 04/30/98 | 748.3 | NLE | 2.535 |
| Chromium | 04/30/98 | 152.8 | NLE | 0.063 |
| Cobalt | 04/30/98 | 5.048 | NLE | 0.063 |
| Copper | 04/30/98 | 5.284 | 600 | 0.380 |
| Iron | 04/30/98 | 59460 | NLE | 1.267 |
| Lead | 04/30/98 | 24.96 | 100 | 0.253 |
| Magnesium | 04/30/98 | 1468 | NLE | 2.535 |
| Manganese | 04/30/98 | 69.84 | NLE | 0.063 |
| Mercury | 04/10/98 | 0.084 | 14 | 0.012 |
| Nickel | 04/30/98 | 18.80 | 250 | 0.063 |
| Potassium | 04/30/98 | 3255 | NLE | 2.535 |
| Selenium | 04/30/98 | ND | 63 | 0.380 |
| Silver | 04/30/98 | ND | 110 | 0.380 |
| Sodium | 04/30/98 | 37.37 | NLE | 2.535 |
| Thallium | 04/30/98 | ND | 2 | 0.380 |
| Vanadium | 04/30/98 | 200.1 | 370 | 0.127 |
| Zinc | 04/30/98 | 90.91 | 1500 | 0.127 |

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 #: 3465.11
Sample Received: 04/08/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-3, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 10970 | NLE | 1.208 |
| Antimony | 04/30/98 | 1.599 | 14 | 0.242 |
| Arsenic | 04/30/98 | 32.33 | 20 | 0.242 |
| Barium | 04/30/98 | 30.43 | 700 | 0.060 |
| Beryllium | 04/30/98 | 1.102 | 1 | 0.060 |
| Cadmium | 04/30/98 | 0.1798 | 1 | 0.060 |
| Calcium | 04/30/98 | 928.7 | NLE | 2.415 |
| Chromium | 04/30/98 | 83.07 | NLE | 0.060 |
| Cobalt | 04/30/98 | 3.708 | NLE | 0.060 |
| Copper | 04/30/98 | 6.870 | 600 | 0.362 |
| Iron | 04/30/98 | 41330 | NLE | 1.208 |
| Lead | 04/30/98 | 59.27 | 100 | 0.242 |
| Magnesium | 04/30/98 | 1548 | NLE | 2.415 |
| Manganese | 04/30/98 | 76.15 | NLE | 0.060 |
| Mercury | 04/10/98 | 0.949 | 14 | 0.055 |
| Nickel | 04/30/98 | 11.78 | 250 | 0.060 |
| Potassium | 04/30/98 | 4106 | NLE | 2.415 |
| Selenium | 04/30/98 | ND | 63 | 0.362 |
| Silver | 04/30/98 | ND | 110 | 0.362 |
| Sodium | 04/30/98 | 66.18 | NLE | 2.415 |
| Thallium | 04/30/98 | ND | 2 | 0.362 |
| Vanadium | 04/30/98 | 103.1 | 370 | 0.121 |
| Zinc | 04/30/98 | 71.52 | 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 #: 3470.03
Sample Received: 04/09/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-4, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 10250 | NLE | 1.010 |
| Antimony | 04/30/98 | 1.421 | 14 | 0.220 |
| Arsenic | 04/30/98 | 10.22 | 20 | 0.220 |
| Barium | 04/30/98 | 21.25 | 700 | 0.055 |
| Beryllium | 04/30/98 | 1.015 | 1 | 0.055 |
| Cadmium | 04/30/98 | 0.2656 | 1 | 0.055 |
| Calcium | 04/30/98 | 707.8 | NLE | 2.201 |
| Chromium | 04/30/98 | 84.62 | NLE | 0.055 |
| Cobalt | 04/30/98 | 4.383 | NLE | 0.055 |
| Copper | 04/30/98 | 2.717 | 600 | 0.330 |
| Iron | 04/30/98 | 44130 | NLE | 1.101 |
| Lead | 04/30/98 | 8.682 | 100 | 0.220 |
| Magnesium | 04/30/98 | 1250 | NLE | 2.201 |
| Manganese | 04/30/98 | 83.14 | NLE | 0.055 |
| Mercury | 04/10/98 | ND | 14 | 0.011 |
| Nickel | 04/30/98 | 12.74 | 250 | 0.055 |
| Potassium | 04/30/98 | 2577 | NLE | 2.201 |
| Selenium | 04/30/98 | ND | 63 | 0.330 |
| Silver | 04/30/98 | ND | 110 | 0.330 |
| Sodium | 04/30/98 | 95.95 | NLE | 2.201 |
| Thallium | 04/30/98 | ND | 2 | 0.330 |
| Vanadium | 04/30/98 | 115.4 | 370 | 0.110 |
| Zinc | 04/30/98 | 62.01 | 1500 | 0.110 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3470.07
Sample Received: 04/09/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-5, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 6368 | NLE | 1.177 |
| Antimony | 04/30/98 | 1.159 | 14 | 0.246 |
| Arsenic | 04/30/98 | 9.054 | 20 | 0.246 |
| Barium | 04/30/98 | 40.37 | 700 | 0.061 |
| Beryllium | 04/30/98 | 0.7370 | 1 | 0.061 |
| Cadmium | 04/30/98 | 0.1551 | 1 | 0.061 |
| Calcium | 04/30/98 | 459.9 | NLE | 2.458 |
| Chromium | 04/30/98 | 42.42 | NLE | 0.061 |
| Cobalt | 04/30/98 | 1.834 | NLE | 0.061 |
| Copper | 04/30/98 | 30.09 | 600 | 0.369 |
| Iron | 04/30/98 | 22150 | NLE | 1.229 |
| Lead | 04/30/98 | 135.1 | 100 | 0.246 |
| Magnesium | 04/30/98 | 1222 | NLE | 2.458 |
| Manganese | 04/30/98 | 50.43 | NLE | 0.061 |
| Mercury | 04/10/98 | 0.228 | 14 | 0.012 |
| Nickel | 04/30/98 | 6.330 | 250 | 0.061 |
| Potassium | 04/30/98 | 3614 | NLE | 2.458 |
| Selenium | 04/30/98 | ND | 63 | 0.369 |
| Silver | 04/30/98 | ND | 110 | 0.369 |
| Sodium | 04/30/98 | 124.8 | NLE | 2.458 |
| Thallium | 04/30/98 | ND | 2 | 0.369 |
| Vanadium | 04/30/98 | 37.50 | 370 | 0.123 |
| Zinc | 04/30/98 | 58.64 | 1500 | 0.123 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3470.11
Sample Received: 04/09/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-6, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 8343 | NLE | 1.085 |
| Antimony | 04/30/98 | 0.710 | 14 | 0.236 |
| Arsenic | 04/30/98 | 8.850 | 20 | 0.236 |
| Barium | 04/30/98 | 18.58 | 700 | 0.059 |
| Beryllium | 04/30/98 | 0.7328 | 1 | 0.059 |
| Cadmium | 04/30/98 | 0.0579 | 1 | 0.059 |
| Calcium | 04/30/98 | 561.5 | NLE | 2.356 |
| Chromium | 04/30/98 | 53.53 | NLE | 0.059 |
| Cobalt | 04/30/98 | 3.863 | NLE | 0.059 |
| Copper | 04/30/98 | 2.421 | 600 | 0.353 |
| Iron | 04/30/98 | 30210 | NLE | 1.178 |
| Lead | 04/30/98 | 16.31 | 100 | 0.236 |
| Magnesium | 04/30/98 | 1051 | NLE | 2.356 |
| Manganese | 04/30/98 | 104.4 | NLE | 0.059 |
| Mercury | 04/10/98 | ND | 14 | 0.011 |
| Nickel | 04/30/98 | 10.08 | 250 | 0.059 |
| Potassium | 04/30/98 | 2171 | NLE | 2.356 |
| Selenium | 04/30/98 | ND | 63 | 0.353 |
| Silver | 04/30/98 | ND | 110 | 0.353 |
| Sodium | 04/30/98 | 109.0 | NLE | 2.356 |
| Thallium | 04/30/98 | ND | 2 | 0.353 |
| Vanadium | 04/30/98 | 76.97 | 370 | 0.118 |
| Zinc | 04/30/98 | 44.99 | 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 #: 3470.15
Sample Received: 04/09/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-7, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 13830 | NLE | 1.176 |
| Antimony | 04/30/98 | 2.079 | 14 | 0.242 |
| Arsenic | 04/30/98 | 11.54 | 20 | 0.242 |
| Barium | 04/30/98 | 116.04 | 700 | 0.061 |
| Beryllium | 04/30/98 | 1.320 | 1 | 0.061 |
| Cadmium | 04/30/98 | 0.5410 | 1 | 0.061 |
| Calcium | 04/30/98 | 3956 | NLE | 2.423 |
| Chromium | 04/30/98 | 75.63 | NLE | 0.061 |
| Cobalt | 04/30/98 | 6.127 | NLE | 0.061 |
| Copper | 04/30/98 | 254.1 | 600 | 0.363 |
| Iron | 04/30/98 | 29220 | NLE | 1.211 |
| Lead | 04/30/98 | 370.1 | 100 | 0.242 |
| Magnesium | 04/30/98 | 1571 | NLE | 2.423 |
| Manganese | 04/30/98 | 146.0 | NLE | 0.061 |
| Mercury | 04/10/98 | 0.687 | 14 | 0.065 |
| Nickel | 04/30/98 | 16.79 | 250 | 0.061 |
| Potassium | 04/30/98 | 4423 | NLE | 2.423 |
| Selenium | 04/30/98 | ND | 63 | 0.363 |
| Silver | 04/30/98 | ND | 110 | 0.363 |
| Sodium | 04/30/98 | 969.8 | NLE | 2.423 |
| Thallium | 04/30/98 | ND | 2 | 0.363 |
| Vanadium | 04/30/98 | 76.13 | 370 | 0.121 |
| Zinc | 04/30/98 | 178.0 | 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 #: 3472.03
Sample Received: 04/10/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-8, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 3691 | NLE | 1.374 |
| Antimony | 04/30/98 | 0.486 | 14 | 0.275 |
| Arsenic | 04/30/98 | 19.98 | 20 | 0.275 |
| Barium | 04/30/98 | 31.68 | 700 | 0.069 |
| Beryllium | 04/30/98 | 0.7184 | 1 | 0.069 |
| Cadmium | 04/30/98 | 0.2736 | 1 | 0.069 |
| Calcium | 04/30/98 | 1373 | NLE | 2.748 |
| Chromium | 04/30/98 | 13.02 | NLE | 0.069 |
| Cobalt | 04/30/98 | 4.926 | NLE | 0.069 |
| Copper | 04/30/98 | 43.77 | 600 | 0.412 |
| Iron | 04/30/98 | 10980 | NLE | 1.374 |
| Lead | 04/30/98 | 57.95 | 100 | 0.275 |
| Magnesium | 04/30/98 | 373.7 | NLE | 2.748 |
| Manganese | 04/30/98 | 30.67 | NLE | 0.069 |
| Mercury | 04/24/98 | 1.257 | 14 | 0.140 |
| Nickel | 04/30/98 | 12.94 | 250 | 0.069 |
| Potassium | 04/30/98 | 690.0 | NLE | 2.748 |
| Selenium | 04/30/98 | 0.785 | 63 | 0.412 |
| Silver | 04/30/98 | ND | 110 | 0.412 |
| Sodium | 04/30/98 | 259.8 | NLE | 2.748 |
| Thallium | 04/30/98 | ND | 2 | 0.412 |
| Vanadium | 04/30/98 | 24.00 | 370 | 0.137 |
| Zinc | 04/30/98 | 22.14 | 1500 | 0.137 |

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 #: 3472.07
Sample Received: 04/10/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-9, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 4474 | NLE | 1.171 |
| Antimony | 04/30/98 | 1.098 | 14 | 0.234 |
| Arsenic | 04/30/98 | 15.98 | 20 | 0.234 |
| Barium | 04/30/98 | 58.82 | 700 | 0.059 |
| Beryllium | 04/30/98 | 0.4577 | 1 | 0.059 |
| Cadmium | 04/30/98 | 0.5314 | 1 | 0.059 |
| Calcium | 04/30/98 | 1105 | NLE | 2.343 |
| Chromium | 04/30/98 | 14.93 | NLE | 0.059 |
| Cobalt | 04/30/98 | 4.535 | NLE | 0.059 |
| Copper | 04/30/98 | 2837 | 600 | 0.351 |
| Iron | 04/30/98 | 9325 | NLE | 1.171 |
| Lead | 04/30/98 | 383.9 | 100 | 0.234 |
| Magnesium | 04/30/98 | 423.7 | NLE | 2.343 |
| Manganese | 04/30/98 | 484.3 | NLE | 0.059 |
| Mercury | 04/24/98 | 0.236 | 14 | 0.013 |
| Nickel | 04/30/98 | 10.39 | 250 | 0.059 |
| Potassium | 04/30/98 | 1241 | NLE | 2.343 |
| Selenium | 04/30/98 | 1.534 | 63 | 0.351 |
| Silver | 04/30/98 | ND | 110 | 0.351 |
| Sodium | 04/30/98 | 227.5 | NLE | 2.343 |
| Thallium | 04/30/98 | ND | 2 | 0.351 |
| Vanadium | 04/30/98 | 19.41 | 370 | 0.117 |
| Zinc | 04/30/98 | 942.9 | 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 #: 3472.11
Sample Received: 04/10/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-10, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 9667 | NLE | 1.160 |
| Antimony | 04/30/98 | 1.569 | 14 | 0.232 |
| Arsenic | 04/30/98 | 11.87 | 20 | 0.232 |
| Barium | 04/30/98 | 23.16 | 700 | 0.058 |
| Beryllium | 04/30/98 | 1.055 | 1 | 0.058 |
| Cadmium | 04/30/98 | 0.1708 | 1 | 0.058 |
| Calcium | 04/30/98 | 453.0 | NLE | 2.320 |
| Chromium | 04/30/98 | 82.74 | NLE | 0.058 |
| Cobalt | 04/30/98 | 4.224 | NLE | 0.058 |
| Copper | 04/30/98 | 14.52 | 600 | 0.348 |
| Iron | 04/30/98 | 40700 | NLE | 1.160 |
| Lead | 04/30/98 | 17.36 | 100 | 0.232 |
| Magnesium | 04/30/98 | 1019 | NLE | 2.320 |
| Manganese | 04/30/98 | 97.99 | NLE | 0.058 |
| Mercury | 04/24/98 | 0.091 | 14 | 0.013 |
| Nickel | 04/30/98 | 12.34 | 250 | 0.058 |
| Potassium | 04/30/98 | 2288 | NLE | 2.320 |
| Selenium | 04/30/98 | ND | 63 | 0.348 |
| Silver | 04/30/98 | ND | 110 | 0.348 |
| Sodium | 04/30/98 | 68.42 | NLE | 2.320 |
| Thallium | 04/30/98 | ND | 2 | 0.348 |
| Vanadium | 04/30/98 | 118.7 | 370 | 0.116 |
| Zinc | 04/30/98 | 64.90 | 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 #: 3473.03
Sample Received: 04/11/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-11, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 10420 | NLE | 1.174 |
| Antimony | 04/30/98 | 2.011 | 14 | 0.235 |
| Arsenic | 04/30/98 | 11.44 | 20 | 0.235 |
| Barium | 04/30/98 | 23.76 | 700 | 0.059 |
| Beryllium | 04/30/98 | 1.100 | 1 | 0.059 |
| Cadmium | 04/30/98 | 0.1037 | 1 | 0.059 |
| Calcium | 04/30/98 | 555.8 | NLE | 2.348 |
| Chromium | 04/30/98 | 104.3 | NLE | 0.059 |
| Cobalt | 04/30/98 | 5.456 | NLE | 0.059 |
| Copper | 04/30/98 | 6.138 | 600 | 0.352 |
| Iron | 04/30/98 | 44300 | NLE | 1.174 |
| Lead | 04/30/98 | 8.172 | 100 | 0.235 |
| Magnesium | 04/30/98 | 1049 | NLE | 2.348 |
| Manganese | 04/30/98 | 86.40 | NLE | 0.059 |
| Mercury | 04/24/98 | 0.017 | 14 | 0.013 |
| Nickel | 04/30/98 | 17.50 | 250 | 0.059 |
| Potassium | 04/30/98 | 2328 | NLE | 2.348 |
| Selenium | 04/30/98 | ND | 63 | 0.352 |
| Silver | 04/30/98 | ND | 110 | 0.352 |
| Sodium | 04/30/98 | 142.9 | NLE | 2.348 |
| Thallium | 04/30/98 | ND | 2 | 0.352 |
| Vanadium | 04/30/98 | 141.0 | 370 | 0.117 |
| Zinc | 04/30/98 | 65.80 | 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 #: 3473.07
Sample Received: 04/11/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-12, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 10180 | NLE | 1.191 |
| Antimony | 04/30/98 | 1.568 | 14 | 0.238 |
| Arsenic | 04/30/98 | 11.02 | 20 | 0.238 |
| Barium | 04/30/98 | 22.06 | 700 | 0.060 |
| Beryllium | 04/30/98 | 0.9966 | 1 | 0.060 |
| Cadmium | 04/30/98 | 0.0837 | 1 | 0.060 |
| Calcium | 04/30/98 | 1110 | NLE | 2.381 |
| Chromium | 04/30/98 | 86.63 | NLE | 0.060 |
| Cobalt | 04/30/98 | 5.389 | NLE | 0.060 |
| Copper | 04/30/98 | 4.719 | 600 | 0.357 |
| Iron | 04/30/98 | 39710 | NLE | 1.191 |
| Lead | 04/30/98 | 9.266 | 100 | 0.238 |
| Magnesium | 04/30/98 | 1442 | NLE | 2.381 |
| Manganese | 04/30/98 | 105.6 | NLE | 0.060 |
| Mercury | 04/24/98 | 0.055 | 14 | 0.013 |
| Nickel | 04/30/98 | 14.20 | 250 | 0.060 |
| Potassium | 04/30/98 | 2392 | NLE | 2.381 |
| Selenium | 04/30/98 | ND | 63 | 0.357 |
| Silver | 04/30/98 | ND | 110 | 0.357 |
| Sodium | 04/30/98 | 66.20 | NLE | 2.381 |
| Thallium | 04/30/98 | ND | 2 | 0.357 |
| Vanadium | 04/30/98 | 120.3 | 370 | 0.119 |
| Zinc | 04/30/98 | 59.62 | 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 #: 3473.11
Sample Received: 04/11/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-13, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 10770 | NLE | 1.046 |
| Antimony | 04/30/98 | 1.548 | 14 | 0.209 |
| Arsenic | 04/30/98 | 13.28 | 20 | 0.209 |
| Barium | 04/30/98 | 28.75 | 700 | 0.052 |
| Beryllium | 04/30/98 | 1.090 | 1 | 0.052 |
| Cadmium | 04/30/98 | 0.0925 | 1 | 0.052 |
| Calcium | 04/30/98 | 1749 | NLE | 2.092 |
| Chromium | 04/30/98 | 83.47 | NLE | 0.052 |
| Cobalt | 04/30/98 | 3.820 | NLE | 0.052 |
| Copper | 04/30/98 | 7.043 | 600 | 0.314 |
| Iron | 04/30/98 | 39530 | NLE | 1.046 |
| Lead | 04/30/98 | 32.80 | 100 | 0.209 |
| Magnesium | 04/30/98 | 2317 | NLE | 2.092 |
| Manganese | 04/30/98 | 85.88 | NLE | 0.052 |
| Mercury | 04/24/98 | 0.467 | 14 | 0.012 |
| Nickel | 04/30/98 | 12.04 | 250 | 0.052 |
| Potassium | 04/30/98 | 4990 | NLE | 2.092 |
| Selenium | 04/30/98 | ND | 63 | 0.314 |
| Silver | 04/30/98 | ND | 110 | 0.314 |
| Sodium | 04/30/98 | 67.71 | NLE | 2.092 |
| Thallium | 04/30/98 | ND | 2 | 0.314 |
| Vanadium | 04/30/98 | 104.6 | 370 | 0.105 |
| Zinc | 04/30/98 | 66.81 | 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 #: 3473.15
Sample Received: 04/11/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-14, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 10610 | NLE | 1.194 |
| Antimony | 04/30/98 | 2.184 | 14 | 0.239 |
| Arsenic | 04/30/98 | 12.94 | 20 | 0.239 |
| Barium | 04/30/98 | 21.51 | 700 | 0.060 |
| Beryllium | 04/30/98 | 1.376 | 1 | 0.060 |
| Cadmium | 04/30/98 | 0.3648 | 1 | 0.060 |
| Calcium | 04/30/98 | 1224 | NLE | 2.388 |
| Chromium | 04/30/98 | 117.3 | NLE | 0.060 |
| Cobalt | 04/30/98 | 5.631 | NLE | 0.060 |
| Copper | 04/30/98 | 4.110 | 600 | 0.358 |
| Iron | 04/30/98 | 56290 | NLE | 1.194 |
| Lead | 04/30/98 | 8.331 | 100 | 0.239 |
| Magnesium | 04/30/98 | 1445 | NLE | 2.388 |
| Manganese | 04/30/98 | 115.4 | NLE | 0.060 |
| Mercury | 04/24/98 | 0.024 | 14 | 0.012 |
| Nickel | 04/30/98 | 19.62 | 250 | 0.060 |
| Potassium | 04/30/98 | 2466 | NLE | 2.388 |
| Selenium | 04/30/98 | ND | 63 | 0.358 |
| Silver | 04/30/98 | ND | 110 | 0.358 |
| Sodium | 04/30/98 | 79.89 | NLE | 2.388 |
| Thallium | 04/30/98 | ND | 2 | 0.358 |
| Vanadium | 04/30/98 | 166.2 | 370 | 0.119 |
| Zinc | 04/30/98 | 108.8 | 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 #: 3473.19
Sample Received: 04/11/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-15, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 03/31/98 | 12770 | NLE | 1.177 |
| Antimony | 03/31/98 | 2.339 | 14 | 0.235 |
| Arsenic | 03/31/98 | 14.03 | 20 | 0.235 |
| Barium | 03/31/98 | 29.59 | 700 | 0.059 |
| Beryllium | 03/31/98 | 1.187 | 1 | 0.059 |
| Cadmium | 03/31/98 | 0.2357 | 1 | 0.059 |
| Calcium | 03/31/98 | 600.2 | NLE | 2.353 |
| Chromium | 03/31/98 | 98.72 | NLE | 0.059 |
| Cobalt | 03/31/98 | 5.412 | NLE | 0.059 |
| Copper | 03/31/98 | 2.605 | 600 | 0.353 |
| Iron | 03/31/98 | 47940 | NLE | 1.177 |
| Lead | 03/31/98 | 8.012 | 100 | 0.235 |
| Magnesium | 03/31/98 | 1278 | NLE | 2.353 |
| Manganese | 03/31/98 | 87.25 | NLE | 0.059 |
| Mercury | 04/01/98 | 0.012 | 14 | 0.011 |
| Nickel | 03/31/98 | 15.27 | 250 | 0.059 |
| Potassium | 03/31/98 | 3631 | NLE | 2.353 |
| Selenium | 03/31/98 | ND | 63 | 0.353 |
| Silver | 03/31/98 | ND | 110 | 0.353 |
| Sodium | 03/31/98 | 83.87 | NLE | 2.353 |
| Thallium | 03/31/98 | ND | 2 | 0.353 |
| Vanadium | 03/31/98 | 146.2 | 370 | 0.118 |
| Zinc | 03/31/98 | 79.64 | 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 #: 3477.03
Sample Received: 04/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-16, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 12110 | NLE | 1.003 |
| Antimony | 04/30/98 | 1.504 | 14 | 0.201 |
| Arsenic | 04/30/98 | 12.91 | 20 | 0.201 |
| Barium | 04/30/98 | 77.62 | 700 | 0.050 |
| Beryllium | 04/30/98 | 1.463 | 1 | 0.050 |
| Cadmium | 04/30/98 | 0.3385 | 1 | 0.050 |
| Calcium | 04/30/98 | 1370 | NLE | 2.006 |
| Chromium | 04/30/98 | 70.59 | NLE | 0.050 |
| Cobalt | 04/30/98 | 5.138 | NLE | 0.050 |
| Copper | 04/30/98 | 132.3 | 600 | 0.301 |
| Iron | 04/30/98 | 33680 | NLE | 1.003 |
| Lead | 04/30/98 | 288.8 | 100 | 0.201 |
| Magnesium | 04/30/98 | 1392 | NLE | 2.006 |
| Manganese | 04/30/98 | 110.8 | NLE | 0.050 |
| Mercury | 04/24/98 | 0.437 | 14 | 0.012 |
| Nickel | 04/30/98 | 15.51 | 250 | 0.050 |
| Potassium | 04/30/98 | 3944 | NLE | 2.006 |
| Selenium | 04/30/98 | ND | 63 | 0.301 |
| Silver | 04/30/98 | ND | 110 | 0.301 |
| Sodium | 04/30/98 | 248.0 | NLE | 2.006 |
| Thallium | 04/30/98 | ND | 2 | 0.301 |
| Vanadium | 04/30/98 | 90.73 | 370 | 0.100 |
| Zinc | 04/30/98 | 120.7 | 1500 | 0.100 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3477.07
Sample Received: 04/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-17, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 2705 | NLE | 1.203 |
| Antimony | 04/30/98 | 2.110 | 14 | 0.241 |
| Arsenic | 04/30/98 | 7.747 | 20 | 0.241 |
| Barium | 04/30/98 | 19.80 | 700 | 0.060 |
| Beryllium | 04/30/98 | 0.3558 | 1 | 0.060 |
| Cadmium | 04/30/98 | 0.4820 | 1 | 0.060 |
| Calcium | 04/30/98 | 746.9 | NLE | 2.407 |
| Chromium | 04/30/98 | 5.603 | NLE | 0.060 |
| Cobalt | 04/30/98 | 3.410 | NLE | 0.060 |
| Copper | 04/30/98 | 191.4 | 600 | 0.361 |
| Iron | 04/30/98 | 4204 | NLE | 1.203 |
| Lead | 04/30/98 | 1793 | 100 | 0.241 |
| Magnesium | 04/30/98 | 184.9 | NLE | 2.407 |
| Manganese | 04/30/98 | 24.55 | NLE | 0.060 |
| Mercury | 04/24/98 | 0.062 | 14 | 0.012 |
| Nickel | 04/30/98 | 8.915 | 250 | 0.060 |
| Potassium | 04/30/98 | 375.3 | NLE | 2.407 |
| Selenium | 04/30/98 | 0.438 | 63 | 0.361 |
| Silver | 04/30/98 | ND | 110 | 0.361 |
| Sodium | 04/30/98 | 152.2 | NLE | 2.407 |
| Thallium | 04/30/98 | ND | 2 | 0.361 |
| Vanadium | 04/30/98 | 10.90 | 370 | 0.120 |
| Zinc | 04/30/98 | 46.07 | 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 #: 3477.11
Sample Received: 04/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-18, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 5034 | NLE | 1.322 |
| Antimony | 04/30/98 | 0.716 | 14 | 0.264 |
| Arsenic | 04/30/98 | 10.67 | 20 | 0.264 |
| Barium | 04/30/98 | 57.41 | 700 | 0.066 |
| Beryllium | 04/30/98 | 0.5955 | 1 | 0.066 |
| Cadmium | 04/30/98 | 1.934 | 1 | 0.066 |
| Calcium | 04/30/98 | 1947 | NLE | 2.644 |
| Chromium | 04/30/98 | 13.86 | NLE | 0.066 |
| Cobalt | 04/30/98 | 5.639 | NLE | 0.066 |
| Copper | 04/30/98 | 504.4 | 600 | 0.397 |
| Iron | 04/30/98 | 8125 | NLE | 1.322 |
| Lead | 04/30/98 | 305.2 | 100 | 0.264 |
| Magnesium | 04/30/98 | 348.8 | NLE | 2.644 |
| Manganese | 04/30/98 | 50.34 | NLE | 0.066 |
| Mercury | 04/24/98 | 0.133 | 14 | 0.013 |
| Nickel | 04/30/98 | 15.97 | 250 | 0.066 |
| Potassium | 04/30/98 | 907.7 | NLE | 2.644 |
| Selenium | 04/30/98 | 0.780 | 63 | 0.397 |
| Silver | 04/30/98 | 1.519 | 110 | 0.397 |
| Sodium | 04/30/98 | 246.7 | NLE | 2.644 |
| Thallium | 04/30/98 | ND | 2 | 0.397 |
| Vanadium | 04/30/98 | 17.17 | 370 | 0.132 |
| Zinc | 04/30/98 | 627.4 | 1500 | 0.132 |

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 #: 3477.15
Sample Received: 04/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-19, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 10530 | NLE | 0.983 |
| Antimony | 04/30/98 | 1.411 | 14 | 0.197 |
| Arsenic | 04/30/98 | 1030 | 20 | 0.197 |
| Barium | 04/30/98 | 28.22 | 700 | 0.049 |
| Beryllium | 04/30/98 | 0.9895 | 1 | 0.049 |
| Cadmium | 04/30/98 | 1.258 | 1 | 0.049 |
| Calcium | 04/30/98 | 533.2 | NLE | 1.965 |
| Chromium | 04/30/98 | 83.08 | NLE | 0.049 |
| Cobalt | 04/30/98 | 2.785 | NLE | 0.049 |
| Copper | 04/30/98 | 6.488 | 600 | 0.295 |
| Iron | 04/30/98 | 33280 | NLE | 0.983 |
| Lead | 04/30/98 | 10.63 | 100 | 0.197 |
| Magnesium | 04/30/98 | 2199 | NLE | 1.965 |
| Manganese | 04/30/98 | 59.32 | NLE | 0.049 |
| Mercury | 04/24/98 | ND | 14 | 0.012 |
| Nickel | 04/30/98 | 8.234 | 250 | 0.049 |
| Potassium | 04/30/98 | 4763 | NLE | 1.965 |
| Selenium | 04/30/98 | ND | 63 | 0.295 |
| Silver | 04/30/98 | ND | 110 | 0.295 |
| Sodium | 04/30/98 | 37.78 | NLE | 1.965 |
| Thallium | 04/30/98 | ND | 2 | 0.295 |
| Vanadium | 04/30/98 | 66.69 | 370 | 0.098 |
| Zinc | 04/30/98 | 42.60 | 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 #: 3479.03
Sample Received: 04/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-20, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 12710 | NLE | 1.201 |
| Antimony | 05/12/98 | 1.180 | 14 | 0.240 |
| Arsenic | 05/12/98 | 14.23 | 20 | 0.240 |
| Barium | 05/12/98 | 26.01 | 700 | 0.060 |
| Beryllium | 05/12/98 | 1.228 | 1 | 0.060 |
| Cadmium | 05/12/98 | 1.410 | 1 | 0.060 |
| Calcium | 05/12/98 | 750.3 | NLE | 2.402 |
| Chromium | 05/12/98 | 106.7 | NLE | 0.060 |
| Cobalt | 05/12/98 | 3.228 | NLE | 0.060 |
| Copper | 05/12/98 | 4.663 | 600 | 0.360 |
| Iron | 05/12/98 | 38800 | NLE | 1.201 |
| Lead | 05/12/98 | 16.25 | 100 | 0.240 |
| Magnesium | 05/12/98 | 3160 | NLE | 2.402 |
| Manganese | 05/12/98 | 76.21 | NLE | 0.060 |
| Mercury | 04/24/98 | 0.019 | 14 | 0.012 |
| Nickel | 05/12/98 | 10.40 | 250 | 0.060 |
| Potassium | 05/12/98 | 5588 | NLE | 2.402 |
| Selenium | 05/12/98 | ND | 63 | 0.360 |
| Silver | 05/12/98 | ND | 110 | 0.360 |
| Sodium | 05/12/98 | 48.64 | NLE | 2.402 |
| Thallium | 05/12/98 | ND | 2 | 0.360 |
| Vanadium | 05/12/98 | 67.64 | 370 | 0.120 |
| Zinc | 05/12/98 | 56.35 | 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 #: 3479.07
Sample Received: 04/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-21, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 12310 | NLE | 1.171 |
| Antimony | 05/12/98 | 1.586 | 14 | 0.234 |
| Arsenic | 05/12/98 | 12.38 | 20 | 0.234 |
| Barium | 05/12/98 | 34.10 | 700 | 0.059 |
| Beryllium | 05/12/98 | 1.182 | 1 | 0.059 |
| Cadmium | 05/12/98 | ND | 1 | 0.059 |
| Calcium | 05/12/98 | 4851 | NLE | 2.341 |
| Chromium | 05/12/98 | 109.2 | NLE | 0.059 |
| Cobalt | 05/12/98 | 5.048 | NLE | 0.059 |
| Copper | 05/12/98 | 5.500 | 600 | 0.351 |
| Iron | 05/12/98 | 44760 | NLE | 1.171 |
| Lead | 05/12/98 | 9.176 | 100 | 0.234 |
| Magnesium | 05/12/98 | 3428 | NLE | 2.341 |
| Manganese | 05/12/98 | 81.37 | NLE | 0.059 |
| Mercury | 04/24/98 | ND | 14 | 0.013 |
| Nickel | 05/12/98 | 15.46 | 250 | 0.059 |
| Potassium | 05/12/98 | 3221 | NLE | 2.341 |
| Selenium | 05/12/98 | ND | 63 | 0.351 |
| Silver | 05/12/98 | ND | 110 | 0.351 |
| Sodium | 05/12/98 | 235.5 | NLE | 2.341 |
| Thallium | 05/12/98 | ND | 2 | 0.351 |
| Vanadium | 05/12/98 | 135.8 | 370 | 0.117 |
| Zinc | 05/12/98 | 74.92 | 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 #: 3479.11
Sample Received: 04/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-22, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 6500 | NLE | 1.008 |
| Antimony | 05/12/98 | 0.811 | 14 | 0.202 |
| Arsenic | 05/12/98 | 6.743 | 20 | 0.202 |
| Barium | 05/12/98 | 18.78 | 700 | 0.050 |
| Beryllium | 05/12/98 | 0.7200 | 1 | 0.050 |
| Cadmium | 05/12/98 | ND | 1 | 0.050 |
| Calcium | 05/12/98 | 1079 | NLE | 2.015 |
| Chromium | 05/12/98 | 53.19 | NLE | 0.050 |
| Cobalt | 05/12/98 | 2.142 | NLE | 0.050 |
| Copper | 05/12/98 | 4.971 | 600 | 0.302 |
| Iron | 05/12/98 | 19270 | NLE | 1.008 |
| Lead | 05/12/98 | 11.83 | 100 | 0.202 |
| Magnesium | 05/12/98 | 2083 | NLE | 2.015 |
| Manganese | 05/12/98 | 67.71 | NLE | 0.050 |
| Mercury | 04/24/98 | 0.011 | 14 | 0.011 |
| Nickel | 05/12/98 | 5.720 | 250 | 0.050 |
| Potassium | 05/12/98 | 4347 | NLE | 2.015 |
| Selenium | 05/12/98 | ND | 63 | 0.302 |
| Silver | 05/12/98 | ND | 110 | 0.302 |
| Sodium | 05/12/98 | 33.37 | NLE | 2.015 |
| Thallium | 05/12/98 | ND | 2 | 0.302 |
| Vanadium | 05/12/98 | 34.59 | 370 | 0.101 |
| Zinc | 05/12/98 | 32.86 | 1500 | 0.101 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3485.03
Sample Received: 04/15/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-23, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 10230 | NLE | 1.102 |
| Antimony | 04/30/98 | 1.933 | 14 | 0.220 |
| Arsenic | 04/30/98 | 11.27 | 20 | 0.220 |
| Barium | 04/30/98 | 18.63 | 700 | 0.055 |
| Beryllium | 04/30/98 | 1.132 | 1 | 0.055 |
| Cadmium | 04/30/98 | 0.2331 | 1 | 0.055 |
| Calcium | 04/30/98 | 672.4 | NLE | 2.204 |
| Chromium | 04/30/98 | 106.8 | NLE | 0.055 |
| Cobalt | 04/30/98 | 3.946 | NLE | 0.055 |
| Copper | 04/30/98 | 37.20 | 600 | 0.331 |
| Iron | 04/30/98 | 50900 | NLE | 1.102 |
| Lead | 04/30/98 | 17.20 | 100 | 0.220 |
| Magnesium | 04/30/98 | 1176 | NLE | 2.204 |
| Manganese | 04/30/98 | 74.58 | NLE | 0.055 |
| Mercury | 04/24/98 | ND | 14 | 0.012 |
| Nickel | 04/30/98 | 13.06 | 250 | 0.055 |
| Potassium | 04/30/98 | 2592 | NLE | 2.204 |
| Selenium | 04/30/98 | ND | 63 | 0.331 |
| Silver | 04/30/98 | ND | 110 | 0.331 |
| Sodium | 04/30/98 | 35.27 | NLE | 2.204 |
| Thallium | 04/30/98 | ND | 2 | 0.331 |
| Vanadium | 04/30/98 | 138.4 | 370 | 0.110 |
| Zinc | 04/30/98 | 86.32 | 1500 | 0.110 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3485.07
Sample Received: 04/15/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-24, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 8798 | NLE | 1.269 |
| Antimony | 04/30/98 | 2.019 | 14 | 0.254 |
| Arsenic | 04/30/98 | 11.08 | 20 | 0.254 |
| Barium | 04/30/98 | 22.06 | 700 | 0.063 |
| Beryllium | 04/30/98 | 1.003 | 1 | 0.063 |
| Cadmium | 04/30/98 | 0.4323 | 1 | 0.063 |
| Calcium | 04/30/98 | 645.4 | NLE | 2.537 |
| Chromium | 04/30/98 | 92.13 | NLE | 0.063 |
| Cobalt | 04/30/98 | 4.480 | NLE | 0.063 |
| Copper | 04/30/98 | 11.34 | 600 | 0.381 |
| Iron | 04/30/98 | 41650 | NLE | 1.269 |
| Lead | 04/30/98 | 10.74 | 100 | 0.254 |
| Magnesium | 04/30/98 | 958.6 | NLE | 2.537 |
| Manganese | 04/30/98 | 86.61 | NLE | 0.063 |
| Mercury | 04/24/98 | ND | 14 | 0.011 |
| Nickel | 04/30/98 | 12.94 | 250 | 0.063 |
| Potassium | 04/30/98 | 1592 | NLE | 2.537 |
| Selenium | 04/30/98 | ND | 63 | 0.381 |
| Silver | 04/30/98 | ND | 110 | 0.381 |
| Sodium | 04/30/98 | 58.67 | NLE | 2.537 |
| Thallium | 04/30/98 | ND | 2 | 0.381 |
| Vanadium | 04/30/98 | 126.7 | 370 | 0.127 |
| Zinc | 04/30/98 | 67.07 | 1500 | 0.127 |

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 #: 3485.11
Sample Received: 04/15/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-25, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 5973 | NLE | 1.016 |
| Antimony | 04/30/98 | 0.535 | 14 | 0.203 |
| Arsenic | 04/30/98 | 9.377 | 20 | 0.203 |
| Barium | 04/30/98 | 54.85 | 700 | 0.051 |
| Beryllium | 04/30/98 | 0.5943 | 1 | 0.051 |
| Cadmium | 04/30/98 | 0.5041 | 1 | 0.051 |
| Calcium | 04/30/98 | 2380 | NLE | 2.031 |
| Chromium | 04/30/98 | 43.80 | NLE | 0.051 |
| Cobalt | 04/30/98 | 3.881 | NLE | 0.051 |
| Copper | 04/30/98 | 102.8 | 600 | 0.305 |
| Iron | 04/30/98 | 23110 | NLE | 1.016 |
| Lead | 04/30/98 | 207.2 | 100 | 0.203 |
| Magnesium | 04/30/98 | 1409 | NLE | 2.031 |
| Manganese | 04/30/98 | 104.8 | NLE | 0.051 |
| Mercury | 04/24/98 | 0.201 | 14 | 0.012 |
| Nickel | 04/30/98 | 10.85 | 250 | 0.051 |
| Potassium | 04/30/98 | 1725 | NLE | 2.031 |
| Selenium | 04/30/98 | ND | 63 | 0.305 |
| Silver | 04/30/98 | ND | 110 | 0.305 |
| Sodium | 04/30/98 | 95.40 | NLE | 2.031 |
| Thallium | 04/30/98 | ND | 2 | 0.305 |
| Vanadium | 04/30/98 | 51.98 | 370 | 0.102 |
| Zinc | 04/30/98 | 163.9 | 1500 | 0.102 |

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 #: 3485.15
Sample Received: 04/15/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-26, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 3987 | NLE | 1.242 |
| Antimony | 04/30/98 | 1.402 | 14 | 0.248 |
| Arsenic | 04/30/98 | 12.45 | 20 | 0.248 |
| Barium | 04/30/98 | 93.31 | 700 | 0.062 |
| Beryllium | 04/30/98 | 0.5401 | 1 | 0.062 |
| Cadmium | 04/30/98 | 1.011 | 1 | 0.062 |
| Calcium | 04/30/98 | 1670 | NLE | 2.485 |
| Chromium | 04/30/98 | 24.87 | NLE | 0.062 |
| Cobalt | 04/30/98 | 3.974 | NLE | 0.062 |
| Copper | 04/30/98 | 484.1 | 600 | 0.373 |
| Iron | 04/30/98 | 17000 | NLE | 1.242 |
| Lead | 04/30/98 | 921.5 | 100 | 0.248 |
| Magnesium | 04/30/98 | 378.7 | NLE | 2.485 |
| Manganese | 04/30/98 | 97.11 | NLE | 0.062 |
| Mercury | 04/24/98 | 0.485 | 14 | 0.013 |
| Nickel | 04/30/98 | 13.33 | 250 | 0.062 |
| Potassium | 04/30/98 | 684.0 | NLE | 2.485 |
| Selenium | 04/30/98 | 0.888 | 63 | 0.373 |
| Silver | 04/30/98 | 1.574 | 110 | 0.373 |
| Sodium | 04/30/98 | 333.1 | NLE | 2.485 |
| Thallium | 04/30/98 | ND | 2 | 0.373 |
| Vanadium | 04/30/98 | 34.20 | 370 | 0.124 |
| Zinc | 04/30/98 | 303.7 | 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 #: 3498.03
Sample Received: 04/20/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-27, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 4737 | NLE | 1.220 |
| Antimony | 04/30/98 | 0.609 | 14 | 0.244 |
| Arsenic | 04/30/98 | 14.28 | 20 | 0.244 |
| Barium | 04/30/98 | 102.3 | 700 | 0.061 |
| Beryllium | 04/30/98 | 0.5059 | 1 | 0.061 |
| Cadmium | 04/30/98 | 1.863 | 1 | 0.061 |
| Calcium | 04/30/98 | 2181 | NLE | 2.441 |
| Chromium | 04/30/98 | 25.25 | NLE | 0.061 |
| Cobalt | 04/30/98 | 3.495 | NLE | 0.061 |
| Copper | 04/30/98 | 566.7 | 600 | 0.366 |
| Iron | 04/30/98 | 14330 | NLE | 1.220 |
| Lead | 04/30/98 | 708.5 | 100 | 0.244 |
| Magnesium | 04/30/98 | 1019 | NLE | 2.441 |
| Manganese | 04/30/98 | 73.72 | NLE | 0.061 |
| Mercury | 04/24/98 | 0.512 | 14 | 0.012 |
| Nickel | 04/30/98 | 10.33 | 250 | 0.061 |
| Potassium | 04/30/98 | 1454 | NLE | 2.441 |
| Selenium | 04/30/98 | 0.881 | 63 | 0.366 |
| Silver | 04/30/98 | 0.419 | 110 | 0.366 |
| Sodium | 04/30/98 | 159.7 | NLE | 2.441 |
| Thallium | 04/30/98 | ND | 2 | 0.366 |
| Vanadium | 04/30/98 | 28.86 | 370 | 0.122 |
| Zinc | 04/30/98 | 179.4 | 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 #: 3498.07
Sample Received: 04/20/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-28, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 10510 | NLE | 1.006 |
| Antimony | 04/30/98 | 2.536 | 14 | 0.201 |
| Arsenic | 04/30/98 | 11.12 | 20 | 0.201 |
| Barium | 04/30/98 | 27.13 | 700 | 0.050 |
| Beryllium | 04/30/98 | 1.382 | 1 | 0.050 |
| Cadmium | 04/30/98 | 0.2193 | 1 | 0.050 |
| Calcium | 04/30/98 | 775.9 | NLE | 2.012 |
| Chromium | 04/30/98 | 141.4 | NLE | 0.050 |
| Cobalt | 04/30/98 | 3.636 | NLE | 0.050 |
| Copper | 04/30/98 | 7.552 | 600 | 0.302 |
| Iron | 04/30/98 | 51640 | NLE | 1.006 |
| Lead | 04/30/98 | 21.74 | 100 | 0.201 |
| Magnesium | 04/30/98 | 1088 | NLE | 2.012 |
| Manganese | 04/30/98 | 52.63 | NLE | 0.050 |
| Mercury | 04/24/98 | 0.064 | 14 | 0.012 |
| Nickel | 04/30/98 | 11.45 | 250 | 0.050 |
| Potassium | 04/30/98 | 2371 | NLE | 2.012 |
| Selenium | 04/30/98 | ND | 63 | 0.302 |
| Silver | 04/30/98 | ND | 110 | 0.302 |
| Sodium | 04/30/98 | 49.69 | NLE | 2.012 |
| Thallium | 04/30/98 | ND | 2 | 0.302 |
| Vanadium | 04/30/98 | 191.7 | 370 | 0.101 |
| Zinc | 04/30/98 | 70.69 | 1500 | 0.101 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3498.11
Sample Received: 04/20/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-29, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 3825 | NLE | 1.241 |
| Antimony | 04/30/98 | 0.562 | 14 | 0.248 |
| Arsenic | 04/30/98 | 5.409 | 20 | 0.248 |
| Barium | 04/30/98 | 21.80 | 700 | 0.062 |
| Beryllium | 04/30/98 | 0.4842 | 1 | 0.062 |
| Cadmium | 04/30/98 | 0.0786 | 1 | 0.062 |
| Calcium | 04/30/98 | 715.5 | NLE | 2.481 |
| Chromium | 04/30/98 | 28.13 | NLE | 0.062 |
| Cobalt | 04/30/98 | 0.8424 | NLE | 0.062 |
| Copper | 04/30/98 | 7.933 | 600 | 0.372 |
| Iron | 04/30/98 | 11250 | NLE | 1.241 |
| Lead | 04/30/98 | 39.12 | 100 | 0.248 |
| Magnesium | 04/30/98 | 844.5 | NLE | 2.481 |
| Manganese | 04/30/98 | 39.55 | NLE | 0.062 |
| Mercury | 04/24/98 | 0.056 | 14 | 0.012 |
| Nickel | 04/30/98 | 3.095 | 250 | 0.062 |
| Potassium | 04/30/98 | 1592 | NLE | 2.481 |
| Selenium | 04/30/98 | ND | 63 | 0.372 |
| Silver | 04/30/98 | ND | 110 | 0.372 |
| Sodium | 04/30/98 | 35.99 | NLE | 2.481 |
| Thallium | 04/30/98 | ND | 2 | 0.372 |
| Vanadium | 04/30/98 | 19.39 | 370 | 0.124 |
| Zinc | 04/30/98 | 55.47 | 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 #: 3498.15
Sample Received: 04/20/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-30, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 11450 | NLE | 1.216 |
| Antimony | 04/30/98 | 1.410 | 14 | 0.243 |
| Arsenic | 04/30/98 | 10.21 | 20 | 0.243 |
| Barium | 04/30/98 | 27.58 | 700 | 0.061 |
| Beryllium | 04/30/98 | 0.9559 | 1 | 0.061 |
| Cadmium | 04/30/98 | 0.1311 | 1 | 0.061 |
| Calcium | 04/30/98 | 1593 | NLE | 2.431 |
| Chromium | 04/30/98 | 78.50 | NLE | 0.061 |
| Cobalt | 04/30/98 | 4.455 | NLE | 0.061 |
| Copper | 04/30/98 | 4.673 | 600 | 0.365 |
| Iron | 04/30/98 | 36530 | NLE | 1.216 |
| Lead | 04/30/98 | 10.71 | 100 | 0.243 |
| Magnesium | 04/30/98 | 1847 | NLE | 2.431 |
| Manganese | 04/30/98 | 87.83 | NLE | 0.061 |
| Mercury | 04/24/98 | 0.012 | 14 | 0.011 |
| Nickel | 04/30/98 | 12.99 | 250 | 0.061 |
| Potassium | 04/30/98 | 2876 | NLE | 2.431 |
| Selenium | 04/30/98 | ND | 63 | 0.365 |
| Silver | 04/30/98 | ND | 110 | 0.365 |
| Sodium | 04/30/98 | 77.41 | NLE | 2.431 |
| Thallium | 04/30/98 | ND | 2 | 0.365 |
| Vanadium | 04/30/98 | 109.7 | 370 | 0.122 |
| Zinc | 04/30/98 | 56.71 | 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 #: 3500.02
Sample Received: 04/21/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-31, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 9478 | NLE | 0.968 |
| Antimony | 04/30/98 | 1.835 | 14 | 0.194 |
| Arsenic | 04/30/98 | 12.89 | 20 | 0.194 |
| Barium | 04/30/98 | 26.00 | 700 | 0.048 |
| Beryllium | 04/30/98 | 1.034 | 1 | 0.048 |
| Cadmium | 04/30/98 | 0.1635 | 1 | 0.048 |
| Calcium | 04/30/98 | 705.5 | NLE | 1.936 |
| Chromium | 04/30/98 | 102.1 | NLE | 0.048 |
| Cobalt | 04/30/98 | 1.878 | NLE | 0.048 |
| Copper | 04/30/98 | 8.222 | 600 | 0.290 |
| Iron | 04/30/98 | 39390 | NLE | 0.968 |
| Lead | 04/30/98 | 34.73 | 100 | 0.194 |
| Magnesium | 04/30/98 | 1751 | NLE | 1.936 |
| Manganese | 04/30/98 | 38.07 | NLE | 0.048 |
| Mercury | 04/24/98 | 0.184 | 14 | 0.012 |
| Nickel | 04/30/98 | 8.486 | 250 | 0.048 |
| Potassium | 04/30/98 | 4834 | NLE | 1.936 |
| Selenium | 04/30/98 | ND | 63 | 0.290 |
| Silver | 04/30/98 | ND | 110 | 0.290 |
| Sodium | 04/30/98 | 39.97 | NLE | 1.936 |
| Thallium | 04/30/98 | ND | 2 | 0.290 |
| Vanadium | 04/30/98 | 79.23 | 370 | 0.097 |
| Zinc | 04/30/98 | 62.43 | 1500 | 0.097 |

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 #: 3500.06
Sample Received: 04/21/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-32, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 9374 | NLE | 0.997 |
| Antimony | 04/30/98 | 1.035 | 14 | 0.199 |
| Arsenic | 04/30/98 | 11.15 | 20 | 0.199 |
| Barium | 04/30/98 | 36.46 | 700 | 0.050 |
| Beryllium | 04/30/98 | 0.8538 | 1 | 0.050 |
| Cadmium | 04/30/98 | 0.2132 | 1 | 0.050 |
| Calcium | 04/30/98 | 1054 | NLE | 1.995 |
| Chromium | 04/30/98 | 70.22 | NLE | 0.050 |
| Cobalt | 04/30/98 | 3.774 | NLE | 0.050 |
| Copper | 04/30/98 | 32.05 | 600 | 0.299 |
| Iron | 04/30/98 | 31220 | NLE | 0.997 |
| Lead | 04/30/98 | 70.19 | 100 | 0.199 |
| Magnesium | 04/30/98 | 1360 | NLE | 1.995 |
| Manganese | 04/30/98 | 123.3 | NLE | 0.050 |
| Mercury | 04/24/98 | 0.025 | 14 | 0.012 |
| Nickel | 04/30/98 | 12.04 | 250 | 0.050 |
| Potassium | 04/30/98 | 3626 | NLE | 1.995 |
| Selenium | 04/30/98 | ND | 63 | 0.299 |
| Silver | 04/30/98 | ND | 110 | 0.299 |
| Sodium | 04/30/98 | 81.26 | NLE | 1.995 |
| Thallium | 04/30/98 | ND | 2 | 0.299 |
| Vanadium | 04/30/98 | 76.03 | 370 | 0.100 |
| Zinc | 04/30/98 | 82.33 | 1500 | 0.100 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3500.10
Sample Received: 04/21/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-33, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 5404 | NLE | 1.258 |
| Antimony | 04/30/98 | 1.754 | 14 | 0.252 |
| Arsenic | 04/30/98 | 32.71 | 20 | 0.252 |
| Barium | 04/30/98 | 150.0 | 700 | 0.063 |
| Beryllium | 04/30/98 | 0.6234 | 1 | 0.063 |
| Cadmium | 04/30/98 | 2.087 | 1 | 0.063 |
| Calcium | 04/30/98 | 4974 | NLE | 2.516 |
| Chromium | 04/30/98 | 38.59 | NLE | 0.063 |
| Cobalt | 04/30/98 | 5.207 | NLE | 0.063 |
| Copper | 04/30/98 | 409.3 | 600 | 0.377 |
| Iron | 04/30/98 | 32440 | NLE | 1.258 |
| Lead | 04/30/98 | 810.3 | 100 | 0.252 |
| Magnesium | 04/30/98 | 2213 | NLE | 2.516 |
| Manganese | 04/30/98 | 179.6 | NLE | 0.063 |
| Mercury | 04/24/98 | 0.979 | 14 | 0.011 |
| Nickel | 04/30/98 | 18.98 | 250 | 0.063 |
| Potassium | 04/30/98 | 1348 | NLE | 2.516 |
| Selenium | 04/30/98 | 0.602 | 63 | 0.377 |
| Silver | 04/30/98 | 2.780 | 110 | 0.377 |
| Sodium | 04/30/98 | 245.1 | NLE | 2.516 |
| Thallium | 04/30/98 | ND | 2 | 0.377 |
| Vanadium | 04/30/98 | 44.85 | 370 | 0.126 |
| Zinc | 04/30/98 | 743.0 | 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 #: 3500.14
Sample Received: 04/21/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-34, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 6652 | NLE | 1.268 |
| Antimony | 04/30/98 | 2.403 | 14 | 0.254 |
| Arsenic | 04/30/98 | 13.11 | 20 | 0.254 |
| Barium | 04/30/98 | 203.9 | 700 | 0.063 |
| Beryllium | 04/30/98 | 0.6890 | 1 | 0.063 |
| Cadmium | 04/30/98 | 1.975 | 1 | 0.063 |
| Calcium | 04/30/98 | 3063 | NLE | 2.536 |
| Chromium | 04/30/98 | 44.40 | NLE | 0.063 |
| Cobalt | 04/30/98 | 5.537 | NLE | 0.063 |
| Copper | 04/30/98 | 428.0 | 600 | 0.380 |
| Iron | 04/30/98 | 23380 | NLE | 1.268 |
| Lead | 04/30/98 | 1090 | 100 | 0.254 |
| Magnesium | 04/30/98 | 878.7 | NLE | 2.536 |
| Manganese | 04/30/98 | 153.2 | NLE | 0.063 |
| Mercury | 04/24/98 | 0.662 | 14 | 0.013 |
| Nickel | 04/30/98 | 22.35 | 250 | 0.063 |
| Potassium | 04/30/98 | 1615 | NLE | 2.536 |
| Selenium | 04/30/98 | 1.104 | 63 | 0.380 |
| Silver | 04/30/98 | 3.345 | 110 | 0.380 |
| Sodium | 04/30/98 | 186.7 | NLE | 2.536 |
| Thallium | 04/30/98 | ND | 2 | 0.380 |
| Vanadium | 04/30/98 | 52.39 | 370 | 0.127 |
| Zinc | 04/30/98 | 828.0 | 1500 | 0.127 |

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 #: 3500.18
Sample Received: 04/21/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-35, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 12810 | NLE | 1.191 |
| Antimony | 04/30/98 | 5.962 | 14 | 0.238 |
| Arsenic | 04/30/98 | 62.27 | 20 | 0.238 |
| Barium | 04/30/98 | 354.6 | 700 | 0.060 |
| Beryllium | 04/30/98 | 10.89 | 1 | 0.060 |
| Cadmium | 04/30/98 | 7.431 | 1 | 0.060 |
| Calcium | 04/30/98 | 2477 | NLE | 2.382 |
| Chromium | 04/30/98 | 72.25 | NLE | 0.060 |
| Cobalt | 04/30/98 | 55.97 | NLE | 0.060 |
| Copper | 04/30/98 | 442.8 | 600 | 0.357 |
| Iron | 04/30/98 | 13500 | NLE | 1.191 |
| Lead | 04/30/98 | 2851 | 100 | 0.238 |
| Magnesium | 04/30/98 | 1112 | NLE | 2.382 |
| Manganese | 04/30/98 | 174.9 | NLE | 0.060 |
| Mercury | 04/24/98 | 1.562 | 14 | 0.011 |
| Nickel | 04/30/98 | 69.97 | 250 | 0.060 |
| Potassium | 04/30/98 | 3185 | NLE | 2.382 |
| Selenium | 04/30/98 | 50.70 | 63 | 0.357 |
| Silver | 04/30/98 | 9.425 | 110 | 0.357 |
| Sodium | 04/30/98 | 343.3 | NLE | 2.382 |
| Thallium | 04/30/98 | 47.42 | 2 | 0.357 |
| Vanadium | 04/30/98 | 84.39 | 370 | 0.119 |
| Zinc | 04/30/98 | 658.1 | 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 #: 3501.02
Sample Received: 04/22/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-36, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 8275 | NLE | 1.175 |
| Antimony | 04/30/98 | 0.964 | 14 | 0.235 |
| Arsenic | 04/30/98 | 9.445 | 20 | 0.235 |
| Barium | 04/30/98 | 22.98 | 700 | 0.059 |
| Beryllium | 04/30/98 | 0.8057 | 1 | 0.059 |
| Cadmium | 04/30/98 | 0.5996 | 1 | 0.059 |
| Calcium | 04/30/98 | 635.6 | NLE | 2.351 |
| Chromium | 04/30/98 | 61.12 | NLE | 0.059 |
| Cobalt | 04/30/98 | 3.707 | NLE | 0.059 |
| Copper | 04/30/98 | 8.111 | 600 | 0.353 |
| Iron | 04/30/98 | 29820 | NLE | 1.175 |
| Lead | 04/30/98 | 16.68 | 100 | 0.235 |
| Magnesium | 04/30/98 | 1019 | NLE | 2.351 |
| Manganese | 04/30/98 | 76.98 | NLE | 0.059 |
| Mercury | 04/24/98 | 0.059 | 14 | 0.011 |
| Nickel | 04/30/98 | 10.12 | 250 | 0.059 |
| Potassium | 04/30/98 | 2115 | NLE | 2.351 |
| Selenium | 04/30/98 | 0.584 | 63 | 0.353 |
| Silver | 04/30/98 | ND | 110 | 0.353 |
| Sodium | 04/30/98 | 38.72 | NLE | 2.351 |
| Thallium | 04/30/98 | ND | 2 | 0.353 |
| Vanadium | 04/30/98 | 84.38 | 370 | 0.118 |
| Zinc | 04/30/98 | 45.25 | 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 #: 3501.06
Sample Received: 04/22/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-37, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 10070 | NLE | 1.157 |
| Antimony | 04/30/98 | 1.965 | 14 | 0.231 |
| Arsenic | 04/30/98 | 10.42 | 20 | 0.231 |
| Barium | 04/30/98 | 24.73 | 700 | 0.058 |
| Beryllium | 04/30/98 | 1.032 | 1 | 0.058 |
| Cadmium | 04/30/98 | 0.1855 | 1 | 0.058 |
| Calcium | 04/30/98 | 1015 | NLE | 2.313 |
| Chromium | 04/30/98 | 96.84 | NLE | 0.058 |
| Cobalt | 04/30/98 | 4.522 | NLE | 0.058 |
| Copper | 04/30/98 | 3.796 | 600 | 0.347 |
| Iron | 04/30/98 | 43400 | NLE | 1.157 |
| Lead | 04/30/98 | 8.622 | 100 | 0.231 |
| Magnesium | 04/30/98 | 1311 | NLE | 2.313 |
| Manganese | 04/30/98 | 103.8 | NLE | 0.058 |
| Mercury | 04/24/98 | 0.025 | 14 | 0.012 |
| Nickel | 04/30/98 | 14.97 | 250 | 0.058 |
| Potassium | 04/30/98 | 2342 | NLE | 2.313 |
| Selenium | 04/30/98 | ND | 63 | 0.347 |
| Silver | 04/30/98 | ND | 110 | 0.347 |
| Sodium | 04/30/98 | 40.28 | NLE | 2.313 |
| Thallium | 04/30/98 | ND | 2 | 0.347 |
| Vanadium | 04/30/98 | 131.4 | 370 | 0.116 |
| Zinc | 04/30/98 | 64.17 | 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 #: 3501.10
Sample Received: 04/22/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-38, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 9616 | NLE | 1.136 |
| Antimony | 04/30/98 | 1.819 | 14 | 0.227 |
| Arsenic | 04/30/98 | 9.688 | 20 | 0.227 |
| Barium | 04/30/98 | 26.09 | 700 | 0.057 |
| Beryllium | 04/30/98 | 1.058 | 1 | 0.057 |
| Cadmium | 04/30/98 | .2547 | 1 | 0.057 |
| Calcium | 04/30/98 | 839.0 | NLE | 2.272 |
| Chromium | 04/30/98 | 99.42 | NLE | 0.057 |
| Cobalt | 04/30/98 | 4.232 | NLE | 0.057 |
| Copper | 04/30/98 | 3.185 | 600 | 0.341 |
| Iron | 04/30/98 | 42240 | NLE | 1.136 |
| Lead | 04/30/98 | 8.580 | 100 | 0.227 |
| Magnesium | 04/30/98 | 1022 | NLE | 2.272 |
| Manganese | 04/30/98 | 85.25 | NLE | 0.057 |
| Mercury | 04/24/98 | 0.014 | 14 | 0.012 |
| Nickel | 04/30/98 | 15.78 | 250 | 0.057 |
| Potassium | 04/30/98 | 1607 | NLE | 2.272 |
| Selenium | 04/30/98 | ND | 63 | 0.341 |
| Silver | 04/30/98 | ND | 110 | 0.341 |
| Sodium | 04/30/98 | 45.41 | NLE | 2.272 |
| Thallium | 04/30/98 | ND | 2 | 0.341 |
| Vanadium | 04/30/98 | 139.0 | 370 | 0.114 |
| Zinc | 04/30/98 | 70.04 | 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 #: 3501.14
Sample Received: 04/22/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-39, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 9833 | NLE | 1.254 |
| Antimony | 04/30/98 | 1.916 | 14 | 0.251 |
| Arsenic | 04/30/98 | 13.10 | 20 | 0.251 |
| Barium | 04/30/98 | 30.29 | 700 | 0.063 |
| Beryllium | 04/30/98 | 1.159 | 1 | 0.063 |
| Cadmium | 04/30/98 | 0.1541 | 1 | 0.063 |
| Calcium | 04/30/98 | 612.5 | NLE | 2.508 |
| Chromium | 04/30/98 | 106.1 | NLE | 0.063 |
| Cobalt | 04/30/98 | 4.975 | NLE | 0.063 |
| Copper | 04/30/98 | 3.559 | 600 | 0.376 |
| Iron | 04/30/98 | 49440 | NLE | 1.254 |
| Lead | 04/30/98 | 10.66 | 100 | 0.251 |
| Magnesium | 04/30/98 | 899.6 | NLE | 2.508 |
| Manganese | 04/30/98 | 110.2 | NLE | 0.063 |
| Mercury | 04/24/98 | 0.037 | 14 | 0.012 |
| Nickel | 04/30/98 | 15.84 | 250 | 0.063 |
| Potassium | 04/30/98 | 1726 | NLE | 2.508 |
| Selenium | 04/30/98 | ND | 63 | 0.376 |
| Silver | 04/30/98 | ND | 110 | 0.376 |
| Sodium | 04/30/98 | 62.79 | NLE | 2.508 |
| Thallium | 04/30/98 | ND | 2 | 0.376 |
| Vanadium | 04/30/98 | 159.7 | 370 | 0.125 |
| Zinc | 04/30/98 | 71.88 | 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 #: 3501.18
Sample Received: 04/22/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-40, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 04/30/98 | 7769 | NLE | 1.066 |
| Antimony | 04/30/98 | 1.550 | 14 | 0.213 |
| Arsenic | 04/30/98 | 10.04 | 20 | 0.213 |
| Barium | 04/30/98 | 20.00 | 700 | 0.053 |
| Beryllium | 04/30/98 | 0.8691 | 1 | 0.053 |
| Cadmium | 04/30/98 | 0.1502 | 1 | 0.053 |
| Calcium | 04/30/98 | 577.6 | NLE | 2.131 |
| Chromium | 04/30/98 | 83.34 | NLE | 0.053 |
| Cobalt | 04/30/98 | 4.022 | NLE | 0.053 |
| Copper | 04/30/98 | 1.854 | 600 | 0.320 |
| Iron | 04/30/98 | 36490 | NLE | 1.066 |
| Lead | 04/30/98 | 5.945 | 100 | 0.213 |
| Magnesium | 04/30/98 | 789.1 | NLE | 2.131 |
| Manganese | 04/30/98 | 86.79 | NLE | 0.053 |
| Mercury | 04/24/98 | 0.013 | 14 | 0.012 |
| Nickel | 04/30/98 | 10.83 | 250 | 0.053 |
| Potassium | 04/30/98 | 1611 | NLE | 2.131 |
| Selenium | 04/30/98 | ND | 63 | 0.320 |
| Silver | 04/30/98 | ND | 110 | 0.320 |
| Sodium | 04/30/98 | 32.38 | NLE | 2.131 |
| Thallium | 04/30/98 | ND | 2 | 0.320 |
| Vanadium | 04/30/98 | 103.5 | 370 | 0.107 |
| Zinc | 04/30/98 | 58.82 | 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 #: 3539.02
Sample Received: 05/01/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-41, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 6479 | NLE | 1.210 |
| Antimony | 05/12/98 | 1.413 | 14 | 0.242 |
| Arsenic | 05/12/98 | 12.52 | 20 | 0.242 |
| Barium | 05/12/98 | 107.8 | 700 | 0.060 |
| Beryllium | 05/12/98 | 0.7590 | 1 | 0.060 |
| Cadmium | 05/12/98 | 0.9590 | 1 | 0.060 |
| Calcium | 05/12/98 | 2137 | NLE | 2.420 |
| Chromium | 05/12/98 | 56.36 | NLE | 0.060 |
| Cobalt | 05/12/98 | 4.604 | NLE | 0.060 |
| Copper | 05/12/98 | 412.9 | 600 | 0.363 |
| Iron | 05/12/98 | 27420 | NLE | 1.210 |
| Lead | 05/12/98 | 629.1 | 100 | 0.242 |
| Magnesium | 05/12/98 | 1009 | NLE | 2.420 |
| Manganese | 05/12/98 | 193.3 | NLE | 0.060 |
| Mercury | 05/12/98 | 0.891 | 14 | 0.026 |
| Nickel | 05/12/98 | 19.73 | 250 | 0.060 |
| Potassium | 05/12/98 | 1890 | NLE | 2.420 |
| Selenium | 05/12/98 | 0.627 | 63 | 0.363 |
| Silver | 05/12/98 | 0.945 | 110 | 0.363 |
| Sodium | 05/12/98 | 154.9 | NLE | 2.420 |
| Thallium | 05/12/98 | ND | 2 | 0.363 |
| Vanadium | 05/12/98 | 59.51 | 370 | 0.121 |
| Zinc | 05/12/98 | 433.1 | 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 #: 3539.06
Sample Received: 05/01/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-42, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 3951 | NLE | 1.188 |
| Antimony | 05/12/98 | 1.104 | 14 | 0.238 |
| Arsenic | 05/12/98 | 8.959 | 20 | 0.238 |
| Barium | 05/12/98 | 181.9 | 700 | 0.059 |
| Beryllium | 05/12/98 | 0.4586 | 1 | 0.059 |
| Cadmium | 05/12/98 | 0.489 | 1 | 0.059 |
| Calcium | 05/12/98 | 962.9 | NLE | 2.377 |
| Chromium | 05/12/98 | 36.34 | NLE | 0.059 |
| Cobalt | 05/12/98 | 4.035 | NLE | 0.059 |
| Copper | 05/12/98 | 207.3 | 600 | 0.357 |
| Iron | 05/12/98 | 21350 | NLE | 1.188 |
| Lead | 05/12/98 | 502.5 | 100 | 0.238 |
| Magnesium | 05/12/98 | 485.0 | NLE | 2.377 |
| Manganese | 05/12/98 | 102.6 | NLE | 0.059 |
| Mercury | 05/12/98 | 0.754 | 14 | 0.025 |
| Nickel | 05/12/98 | 10.93 | 250 | 0.059 |
| Potassium | 05/12/98 | 864.1 | NLE | 2.377 |
| Selenium | 05/12/98 | 0.859 | 63 | 0.357 |
| Silver | 05/12/98 | ND | 110 | 0.357 |
| Sodium | 05/12/98 | 103.4 | NLE | 2.377 |
| Thallium | 05/12/98 | ND | 2 | 0.357 |
| Vanadium | 05/12/98 | 43.68 | 370 | 0.119 |
| Zinc | 05/12/98 | 250.3 | 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 #: 3543.02
Sample Received: 05/04/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-43, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 6390 | NLE | 1.400 |
| Antimony | 05/12/98 | ND | 14 | 0.280 |
| Arsenic | 05/12/98 | 4.218 | 20 | 0.280 |
| Barium | 05/12/98 | 258.9 | 700 | 0.070 |
| Beryllium | 05/12/98 | 0.7640 | 1 | 0.070 |
| Cadmium | 05/12/98 | ND | 1 | 0.070 |
| Calcium | 05/12/98 | 1200 | NLE | 2.800 |
| Chromium | 05/12/98 | 21.06 | NLE | 0.070 |
| Cobalt | 05/12/98 | 5.369 | NLE | 0.070 |
| Copper | 05/12/98 | 38.40 | 600 | 0.420 |
| Iron | 05/12/98 | 8584 | NLE | 1.400 |
| Lead | 05/12/98 | 39.90 | 100 | 0.280 |
| Magnesium | 05/12/98 | 331.2 | NLE | 2.800 |
| Manganese | 05/12/98 | 68.44 | NLE | 0.070 |
| Mercury | 05/12/98 | 0.085 | 14 | 0.028 |
| Nickel | 05/12/98 | 13.84 | 250 | 0.070 |
| Potassium | 05/12/98 | 525.2 | NLE | 2.800 |
| Selenium | 05/12/98 | 1.417 | 63 | 0.420 |
| Silver | 05/12/98 | 2.362 | 110 | 0.420 |
| Sodium | 05/12/98 | 216.8 | NLE | 2.800 |
| Thallium | 05/12/98 | ND | 2 | 0.420 |
| Vanadium | 05/12/98 | 20.79 | 370 | 0.140 |
| Zinc | 05/12/98 | 48.22 | 1500 | 0.140 |

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 #: 3543.06
Sample Received: 05/04/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-44, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 8077 | NLE | 1.194 |
| Antimony | 05/12/98 | 1.203 | 14 | 0.239 |
| Arsenic | 05/12/98 | 11.66 | 20 | 0.239 |
| Barium | 05/12/98 | 513.9 | 700 | 0.060 |
| Beryllium | 05/12/98 | 0.8622 | 1 | 0.060 |
| Cadmium | 05/12/98 | 0.6777 | 1 | 0.060 |
| Calcium | 05/12/98 | 2670 | NLE | 2.388 |
| Chromium | 05/12/98 | 70.59 | NLE | 0.060 |
| Cobalt | 05/12/98 | 2.420 | NLE | 0.060 |
| Copper | 05/12/98 | 346.7 | 600 | 0.358 |
| Iron | 05/12/98 | 21940 | NLE | 1.194 |
| Lead | 05/12/98 | 275.5 | 100 | 0.239 |
| Magnesium | 05/12/98 | 2943 | NLE | 2.388 |
| Manganese | 05/12/98 | 84.22 | NLE | 0.060 |
| Mercury | 05/12/98 | 0.164 | 14 | 0.026 |
| Nickel | 05/12/98 | 13.28 | 250 | 0.060 |
| Potassium | 05/12/98 | 3791 | NLE | 2.388 |
| Selenium | 05/12/98 | 0.473 | 63 | 0.358 |
| Silver | 05/12/98 | 0.993 | 110 | 0.358 |
| Sodium | 05/12/98 | 221.4 | NLE | 2.388 |
| Thallium | 05/12/98 | ND | 2 | 0.358 |
| Vanadium | 05/12/98 | 30.96 | 370 | 0.119 |
| Zinc | 05/12/98 | 1598 | 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 #: 3543.10
Sample Received: 05/04/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-45, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 1961 | NLE | 1.197 |
| Antimony | 05/12/98 | 0.382 | 14 | 0.239 |
| Arsenic | 05/12/98 | 2.255 | 20 | 0.239 |
| Barium | 05/12/98 | 16.60 | 700 | 0.060 |
| Beryllium | 05/12/98 | 0.1660 | 1 | 0.060 |
| Cadmium | 05/12/98 | 0.4876 | 1 | 0.060 |
| Calcium | 05/12/98 | 10360 | NLE | 2.393 |
| Chromium | 05/12/98 | 17.96 | NLE | 0.060 |
| Cobalt | 05/12/98 | 1.223 | NLE | 0.060 |
| Copper | 05/12/98 | 28.23 | 600 | 0.359 |
| Iron | 05/12/98 | 6391 | NLE | 1.197 |
| Lead | 05/12/98 | 228.1 | 100 | 0.239 |
| Magnesium | 05/12/98 | 5665 | NLE | 2.393 |
| Manganese | 05/12/98 | 52.05 | NLE | 0.060 |
| Mercury | 05/12/98 | 10.194 | 14 | 0.250 |
| Nickel | 05/12/98 | 4.670 | 250 | 0.060 |
| Potassium | 05/12/98 | 722.3 | NLE | 2.393 |
| Selenium | 05/12/98 | ND | 63 | 0.359 |
| Silver | 05/12/98 | ND | 110 | 0.359 |
| Sodium | 05/12/98 | 174.2 | NLE | 2.393 |
| Thallium | 05/12/98 | ND | 2 | 0.359 |
| Vanadium | 05/12/98 | 14.38 | 370 | 0.120 |
| Zinc | 05/12/98 | 62.64 | 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 #: 3543.14
Sample Received: 05/04/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-46, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 4464 | NLE | 1.203 |
| Antimony | 05/12/98 | 0.639 | 14 | 0.241 |
| Arsenic | 05/12/98 | 8.122 | 20 | 0.241 |
| Barium | 05/12/98 | 69.01 | 700 | 0.060 |
| Beryllium | 05/12/98 | 0.4403 | 1 | 0.060 |
| Cadmium | 05/12/98 | 0.9829 | 1 | 0.060 |
| Calcium | 05/12/98 | 2705 | NLE | 2.407 |
| Chromium | 05/12/98 | 36.61 | NLE | 0.060 |
| Cobalt | 05/12/98 | 2.495 | NLE | 0.060 |
| Copper | 05/12/98 | 262.8 | 600 | 0.361 |
| Iron | 05/12/98 | 18840 | NLE | 1.203 |
| Lead | 05/12/98 | 273.5 | 100 | 0.241 |
| Magnesium | 05/12/98 | 928.1 | NLE | 2.407 |
| Manganese | 05/12/98 | 725.6 | NLE | 0.060 |
| Mercury | 05/12/98 | 5.040 | 14 | 0.233 |
| Nickel | 05/12/98 | 7.300 | 250 | 0.060 |
| Potassium | 05/12/98 | 1955 | NLE | 2.407 |
| Selenium | 05/12/98 | ND | 63 | 0.361 |
| Silver | 05/12/98 | 0.512 | 110 | 0.361 |
| Sodium | 05/12/98 | 312.4 | NLE | 2.407 |
| Thallium | 05/12/98 | ND | 2 | 0.361 |
| Vanadium | 05/12/98 | 33.38 | 370 | 0.120 |
| Zinc | 05/12/98 | 1809 | 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 #: 3547.02
Sample Received: 05/598
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-47, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 1986 | NLE | 1.087 |
| Antimony | 05/12/98 | 0.388 | 14 | 0.217 |
| Arsenic | 05/12/98 | 1.719 | 20 | 0.217 |
| Barium | 05/12/98 | 10.23 | 700 | 0.054 |
| Beryllium | 05/12/98 | 0.3672 | 1 | 0.054 |
| Cadmium | 05/12/98 | ND | 1 | 0.054 |
| Calcium | 05/12/98 | 277.0 | NLE | 2.173 |
| Chromium | 05/12/98 | 21.36 | NLE | 0.054 |
| Cobalt | 05/12/98 | 0.3853 | NLE | 0.054 |
| Copper | 05/12/98 | 2.913 | 600 | 0.326 |
| Iron | 05/12/98 | 7617 | NLE | 1.087 |
| Lead | 05/12/98 | 8.632 | 100 | 0.217 |
| Magnesium | 05/12/98 | 534.1 | NLE | 2.173 |
| Manganese | 05/12/98 | 10.21 | NLE | 0.054 |
| Mercury | 05/12/98 | 0.039 | 14 | 0.021 |
| Nickel | 05/12/98 | 2.299 | 250 | 0.054 |
| Potassium | 05/12/98 | 1048 | NLE | 2.173 |
| Selenium | 05/12/98 | 0.372 | 63 | 0.326 |
| Silver | 05/12/98 | ND | 110 | 0.326 |
| Sodium | 05/12/98 | 144.3 | NLE | 2.173 |
| Thallium | 05/12/98 | ND | 2 | 0.326 |
| Vanadium | 05/12/98 | 16.22 | 370 | 0.109 |
| Zinc | 05/12/98 | 46.14 | 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 #: 3547.06
Sample Received: 05/05/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-48, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 3363 | NLE | 1.045 |
| Antimony | 05/12/98 | 0.950 | 14 | 0.209 |
| Arsenic | 05/12/98 | 8.626 | 20 | 0.209 |
| Barium | 05/12/98 | 113.8 | 700 | 0.052 |
| Beryllium | 05/12/98 | 0.4112 | 1 | 0.052 |
| Cadmium | 05/12/98 | 0.2786 | 1 | 0.052 |
| Calcium | 05/12/98 | 933.3 | NLE | 2.091 |
| Chromium | 05/12/98 | 23.73 | NLE | 0.052 |
| Cobalt | 05/12/98 | 2.388 | NLE | 0.052 |
| Copper | 05/12/98 | 532.4 | 600 | 0.314 |
| Iron | 05/12/98 | 20580 | NLE | 1.045 |
| Lead | 05/12/98 | 845.1 | 100 | 0.209 |
| Magnesium | 05/12/98 | 574.5 | NLE | 2.091 |
| Manganese | 05/12/98 | 107.1 | NLE | 0.052 |
| Mercury | 05/12/98 | 0.510 | 14 | 0.022 |
| Nickel | 05/12/98 | 7.715 | 250 | 0.052 |
| Potassium | 05/12/98 | 1422 | NLE | 2.091 |
| Selenium | 05/12/98 | 0.400 | 63 | 0.314 |
| Silver | 05/12/98 | 1.123 | 110 | 0.314 |
| Sodium | 05/12/98 | 96.56 | NLE | 2.091 |
| Thallium | 05/12/98 | ND | 2 | 0.314 |
| Vanadium | 05/12/98 | 17.18 | 370 | 0.105 |
| Zinc | 05/12/98 | 209.5 | 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 #: 3547.10
Sample Received: 05/05/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-49, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 4876 | NLE | 1.337 |
| Antimony | 05/12/98 | 0.791 | 14 | 0.267 |
| Arsenic | 05/12/98 | 12.79 | 20 | 0.267 |
| Barium | 05/12/98 | 76.99 | 700 | 0.067 |
| Beryllium | 05/12/98 | 0.6963 | 1 | 0.067 |
| Cadmium | 05/12/98 | 0.1114 | 1 | 0.067 |
| Calcium | 05/12/98 | 1111 | NLE | 2.674 |
| Chromium | 05/12/98 | 52.57 | NLE | 0.067 |
| Cobalt | 05/12/98 | 1.731 | NLE | 0.067 |
| Copper | 05/12/98 | 60.76 | 600 | 0.401 |
| Iron | 05/12/98 | 22280 | NLE | 1.337 |
| Lead | 05/12/98 | 226.7 | 100 | 0.267 |
| Magnesium | 05/12/98 | 1066 | NLE | 2.674 |
| Manganese | 05/12/98 | 71.47 | NLE | 0.067 |
| Mercury | 05/12/98 | 5.141 | 14 | 0.232 |
| Nickel | 05/12/98 | 6.521 | 250 | 0.067 |
| Potassium | 05/12/98 | 2485 | NLE | 2.674 |
| Selenium | 05/12/98 | ND | 63 | 0.401 |
| Silver | 05/12/98 | ND | 110 | 0.401 |
| Sodium | 05/12/98 | 71.52 | NLE | 2.674 |
| Thallium | 05/12/98 | ND | 2 | 0.401 |
| Vanadium | 05/12/98 | 39.23 | 370 | 0.134 |
| Zinc | 05/12/98 | 100.6 | 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 #: 3547.14
Sample Received: 05/05/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-50, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 3699 | NLE | 1.011 |
| Antimony | 05/12/98 | 0.497 | 14 | 0.202 |
| Arsenic | 05/12/98 | 3.172 | 20 | 0.202 |
| Barium | 05/12/98 | 16.51 | 700 | 0.051 |
| Beryllium | 05/12/98 | 0.7032 | 1 | 0.051 |
| Cadmium | 05/12/98 | ND | 1 | 0.051 |
| Calcium | 05/12/98 | 476.2 | NLE | 2.022 |
| Chromium | 05/12/98 | 30.82 | NLE | 0.051 |
| Cobalt | 05/12/98 | 0.3871 | NLE | 0.051 |
| Copper | 05/12/98 | 4.304 | 600 | 0.303 |
| Iron | 05/12/98 | 10500 | NLE | 1.011 |
| Lead | 05/12/98 | 6.099 | 100 | 0.202 |
| Magnesium | 05/12/98 | 602.6 | NLE | 2.022 |
| Manganese | 05/12/98 | 20.24 | NLE | 0.051 |
| Mercury | 05/12/98 | 0.074 | 14 | 0.024 |
| Nickel | 05/12/98 | 3.713 | 250 | 0.051 |
| Potassium | 05/12/98 | 918.9 | NLE | 2.022 |
| Selenium | 05/12/98 | ND | 63 | 0.303 |
| Silver | 05/12/98 | ND | 110 | 0.303 |
| Sodium | 05/12/98 | 266.9 | NLE | 2.022 |
| Thallium | 05/12/98 | ND | 2 | 0.303 |
| Vanadium | 05/12/98 | 26.17 | 370 | 0.101 |
| Zinc | 05/12/98 | 49.56 | 1500 | 0.101 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3547.18
Sample Received: 05/05/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-51, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 8596 | NLE | 1.322 |
| Antimony | 05/12/98 | 1.713 | 14 | 0.264 |
| Arsenic | 05/12/98 | 27.93 | 20 | 0.264 |
| Barium | 05/12/98 | 27.23 | 700 | 0.066 |
| Beryllium | 05/12/98 | 1.108 | 1 | 0.066 |
| Cadmium | 05/12/98 | 0.1293 | 1 | 0.066 |
| Calcium | 05/12/98 | 943.5 | NLE | 2.644 |
| Chromium | 05/12/98 | 108.5 | NLE | 0.066 |
| Cobalt | 05/12/98 | 3.129 | NLE | 0.066 |
| Copper | 05/12/98 | 7.103 | 600 | 0.397 |
| Iron | 05/12/98 | 47660 | NLE | 1.322 |
| Lead | 05/12/98 | 40.53 | 100 | 0.264 |
| Magnesium | 05/12/98 | 963.9 | NLE | 2.644 |
| Manganese | 05/12/98 | 65.67 | NLE | 0.066 |
| Mercury | 05/12/98 | 0.225 | 14 | 0.022 |
| Nickel | 05/12/98 | 12.48 | 250 | 0.066 |
| Potassium | 05/12/98 | 2085 | NLE | 2.644 |
| Selenium | 05/12/98 | ND | 63 | 0.397 |
| Silver | 05/12/98 | ND | 110 | 0.397 |
| Sodium | 05/12/98 | 393.3 | NLE | 2.644 |
| Thallium | 05/12/98 | ND | 2 | 0.397 |
| Vanadium | 05/12/98 | 126.4 | 370 | 0.132 |
| Zinc | 05/12/98 | 68.26 | 1500 | 0.132 |

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 #: 3550.03
Sample Received: 05/06/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-52, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 8267 | NLE | 1.359 |
| Antimony | 05/12/98 | 1.263 | 14 | 0.272 |
| Arsenic | 05/12/98 | 14.36 | 20 | 0.272 |
| Barium | 05/12/98 | 29.54 | 700 | 0.068 |
| Beryllium | 05/12/98 | 0.9403 | 1 | 0.068 |
| Cadmium | 05/12/98 | ND | 1 | 0.068 |
| Calcium | 05/12/98 | 664.1 | NLE | 2.718 |
| Chromium | 05/12/98 | 87.14 | NLE | 0.068 |
| Cobalt | 05/12/98 | 6.072 | NLE | 0.068 |
| Copper | 05/12/98 | 15.39 | 600 | 0.408 |
| Iron | 05/12/98 | 40040 | NLE | 1.359 |
| Lead | 05/12/98 | 55.83 | 100 | 0.272 |
| Magnesium | 05/12/98 | 1089 | NLE | 2.718 |
| Manganese | 05/12/98 | 153.5 | NLE | 0.068 |
| Mercury | 05/12/98 | 0.588 | 14 | 0.021 |
| Nickel | 05/12/98 | 11.51 | 250 | 0.068 |
| Potassium | 05/12/98 | 2466 | NLE | 2.718 |
| Selenium | 05/12/98 | ND | 63 | 0.408 |
| Silver | 05/12/98 | ND | 110 | 0.408 |
| Sodium | 05/12/98 | 52.66 | NLE | 2.718 |
| Thallium | 05/12/98 | ND | 2 | 0.408 |
| Vanadium | 05/12/98 | 79.15 | 370 | 0.136 |
| Zinc | 05/12/98 | 91.96 | 1500 | 0.136 |

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 #: 3550.07
Sample Received: 05/06/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-53, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 4460 | NLE | 1.277 |
| Antimony | 05/12/98 | 0.547 | 14 | 0.255 |
| Arsenic | 05/12/98 | 4.293 | 20 | 0.255 |
| Barium | 05/12/98 | 25.47 | 700 | 0.064 |
| Beryllium | 05/12/98 | 0.4120 | 1 | 0.064 |
| Cadmium | 05/12/98 | ND | 1 | 0.064 |
| Calcium | 05/12/98 | 452.9 | NLE | 2.554 |
| Chromium | 05/12/98 | 31.37 | NLE | 0.064 |
| Cobalt | 05/12/98 | 1.335 | NLE | 0.064 |
| Copper | 05/12/98 | 17.84 | 600 | 0.383 |
| Iron | 05/12/98 | 10340 | NLE | 1.277 |
| Lead | 05/12/98 | 22.07 | 100 | 0.255 |
| Magnesium | 05/12/98 | 698.6 | NLE | 2.554 |
| Manganese | 05/12/98 | 74.62 | NLE | 0.064 |
| Mercury | 05/12/98 | 0.037 | 14 | 0.022 |
| Nickel | 05/12/98 | 2.826 | 250 | 0.064 |
| Potassium | 05/12/98 | 1529 | NLE | 2.554 |
| Selenium | 05/12/98 | ND | 63 | 0.383 |
| Silver | 05/12/98 | ND | 110 | 0.383 |
| Sodium | 05/12/98 | 40.01 | NLE | 2.554 |
| Thallium | 05/12/98 | ND | 2 | 0.383 |
| Vanadium | 05/12/98 | 18.81 | 370 | 0.128 |
| Zinc | 05/12/98 | 35.88 | 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 #: 3550.11
Sample Received: 05/06/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-54, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 6246 | NLE | 1.257 |
| Antimony | 05/12/98 | 1.532 | 14 | 0.251 |
| Arsenic | 05/12/98 | 147.5 | 20 | 0.251 |
| Barium | 05/12/98 | 14.72 | 700 | 0.063 |
| Beryllium | 05/12/98 | 0.7216 | 1 | 0.063 |
| Cadmium | 05/12/98 | ND | 1 | 0.063 |
| Calcium | 05/12/98 | 440.1 | NLE | 2.514 |
| Chromium | 05/12/98 | 81.60 | NLE | 0.063 |
| Cobalt | 05/12/98 | 0.8229 | NLE | 0.063 |
| Copper | 05/12/98 | 6.733 | 600 | 0.377 |
| Iron | 05/12/98 | 30770 | NLE | 1.257 |
| Lead | 05/12/98 | 14.64 | 100 | 0.251 |
| Magnesium | 05/12/98 | 2093 | NLE | 2.514 |
| Manganese | 05/12/98 | 30.56 | NLE | 0.063 |
| Mercury | 05/12/98 | 0.036 | 14 | 0.023 |
| Nickel | 05/12/98 | 3.717 | 250 | 0.063 |
| Potassium | 05/12/98 | 6333 | NLE | 2.514 |
| Selenium | 05/12/98 | 0.599 | 63 | 0.377 |
| Silver | 05/12/98 | ND | 110 | 0.377 |
| Sodium | 05/12/98 | 229.7 | NLE | 2.514 |
| Thallium | 05/12/98 | ND | 2 | 0.377 |
| Vanadium | 05/12/98 | 32.76 | 370 | 0.126 |
| Zinc | 05/12/98 | 28.84 | 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 #: 3550.15
Sample Received: 05/06/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-55, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 05/12/98 | 7988 | NLE | 1.323 |
| Antimony | 05/12/98 | 1.149 | 14 | 0.265 |
| Arsenic | 05/12/98 | 10.36 | 20 | 0.265 |
| Barium | 05/12/98 | 101.2 | 700 | 0.066 |
| Beryllium | 05/12/98 | 0.9041 | 1 | 0.066 |
| Cadmium | 05/12/98 | ND | 1 | 0.066 |
| Calcium | 05/12/98 | 950.6 | NLE | 2.646 |
| Chromium | 05/12/98 | 58.97 | NLE | 0.066 |
| Cobalt | 05/12/98 | 2.301 | NLE | 0.066 |
| Copper | 05/12/98 | 14.76 | 600 | 0.397 |
| Iron | 05/12/98 | 24580 | NLE | 1.323 |
| Lead | 05/12/98 | 45.25 | 100 | 0.265 |
| Magnesium | 05/12/98 | 2144 | NLE | 2.646 |
| Manganese | 05/12/98 | 147.5 | NLE | 0.066 |
| Mercury | 05/12/98 | 0.213 | 14 | 0.022 |
| Nickel | 05/12/98 | 7.104 | 250 | 0.066 |
| Potassium | 05/12/98 | 5418 | NLE | 2.646 |
| Selenium | 05/12/98 | ND | 63 | 0.397 |
| Silver | 05/12/98 | ND | 110 | 0.397 |
| Sodium | 05/12/98 | 159.4 | NLE | 2.646 |
| Thallium | 05/12/98 | ND | 2 | 0.397 |
| Vanadium | 05/12/98 | 29.63 | 370 | 0.132 |
| Zinc | 05/12/98 | 58.20 | 1500 | 0.132 |

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 #: 3561.02
Sample Received: 05/11/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-56, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 11380 | NLE | 1.370 |
| Antimony | 06/02/98 | 1.246 | 14 | 0.274 |
| Arsenic | 06/02/98 | 16.81 | 20 | 0.274 |
| Barium | 06/02/98 | 44.19 | 700 | 0.069 |
| Beryllium | 06/02/98 | 1.233 | 1 | 0.069 |
| Cadmium | 06/02/98 | ND | 1 | 0.069 |
| Calcium | 06/02/98 | 1662 | NLE | 2.741 |
| Chromium | 06/02/98 | 90.25 | NLE | 0.069 |
| Cobalt | 06/02/98 | 2.645 | NLE | 0.069 |
| Copper | 06/02/98 | 15.96 | 600 | 0.411 |
| Iron | 06/02/98 | 32850 | NLE | 1.370 |
| Lead | 06/02/98 | 108.8 | 100 | 0.274 |
| Magnesium | 06/02/98 | 3720 | NLE | 2.741 |
| Manganese | 06/02/98 | 76.07 | NLE | 0.069 |
| Mercury | 03/20/98 | 0.900 | 14 | 0.024 |
| Nickel | 06/02/98 | 8.858 | 250 | 0.069 |
| Potassium | 06/02/98 | 7138 | NLE | 2.741 |
| Selenium | 06/02/98 | ND | 63 | 0.411 |
| Silver | 06/02/98 | ND | 110 | 0.411 |
| Sodium | 06/02/98 | 71.89 | NLE | 2.741 |
| Thallium | 06/02/98 | ND | 2 | 0.411 |
| Vanadium | 06/02/98 | 42.80 | 370 | 0.137 |
| Zinc | 06/02/98 | 81.92 | 1500 | 0.137 |

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 #: 3561.06
Sample Received: 05/11/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-57, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 10290 | NLE | 1.243 |
| Antimony | 06/02/98 | 1.868 | 14 | 0.249 |
| Arsenic | 06/02/98 | 14.94 | 20 | 0.249 |
| Barium | 06/02/98 | 88.58 | 700 | 0.062 |
| Beryllium | 06/02/98 | 0.9952 | 1 | 0.062 |
| Cadmium | 06/02/98 | 0.2176 | 1 | 0.062 |
| Calcium | 06/02/98 | 1169 | NLE | 2.485 |
| Chromium | 06/02/98 | 78.52 | NLE | 0.062 |
| Cobalt | 06/02/98 | 4.073 | NLE | 0.062 |
| Copper | 06/02/98 | 83.51 | 600 | 0.373 |
| Iron | 06/02/98 | 34590 | NLE | 1.243 |
| Lead | 06/02/98 | 2379 | 100 | 0.249 |
| Magnesium | 06/02/98 | 1506 | NLE | 2.485 |
| Manganese | 06/02/98 | 118.1 | NLE | 0.062 |
| Mercury | 03/20/98 | 0.459 | 14 | 0.024 |
| Nickel | 06/02/98 | 13.31 | 250 | 0.062 |
| Potassium | 06/02/98 | 4203 | NLE | 2.485 |
| Selenium | 06/02/98 | ND | 63 | 0.373 |
| Silver | 06/02/98 | ND | 110 | 0.373 |
| Sodium | 06/02/98 | 110.9 | NLE | 2.485 |
| Thallium | 06/02/98 | ND | 2 | 0.373 |
| Vanadium | 06/02/98 | 82.13 | 370 | 0.124 |
| Zinc | 06/02/98 | 178.4 | 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 #: 3561.10
Sample Received: 05/11/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-58, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 1884 | NLE | 1.174 |
| Antimony | 06/02/98 | 0.326 | 14 | 0.235 |
| Arsenic | 06/02/98 | 1.201 | 20 | 0.235 |
| Barium | 06/02/98 | 5.948 | 700 | 0.059 |
| Beryllium | 06/02/98 | 0.3044 | 1 | 0.059 |
| Cadmium | 06/02/98 | 0.1125 | 1 | 0.059 |
| Calcium | 06/02/98 | 152.9 | NLE | 2.348 |
| Chromium | 06/02/98 | 14.29 | NLE | 0.059 |
| Cobalt | 06/02/98 | 0.2267 | NLE | 0.059 |
| Copper | 06/02/98 | 3.742 | 600 | 0.352 |
| Iron | 06/02/98 | 5510 | NLE | 1.174 |
| Lead | 06/02/98 | 8.725 | 100 | 0.235 |
| Magnesium | 06/02/98 | 335.4 | NLE | 2.348 |
| Manganese | 06/02/98 | 5.243 | NLE | 0.059 |
| Mercury | 03/20/98 | 0.039 | 14 | 0.023 |
| Nickel | 06/02/98 | 1.590 | 250 | 0.059 |
| Potassium | 06/02/98 | 460.3 | NLE | 2.348 |
| Selenium | 06/02/98 | ND | 63 | 0.352 |
| Silver | 06/02/98 | ND | 110 | 0.352 |
| Sodium | 06/02/98 | 25.70 | NLE | 2.348 |
| Thallium | 06/02/98 | ND | 2 | 0.352 |
| Vanadium | 06/02/98 | 13.82 | 370 | 0.117 |
| Zinc | 06/02/98 | 26.47 | 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 #: 3561.14
Sample Received: 05/11/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-59, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 2975 | NLE | 1.235 |
| Antimony | 06/02/98 | 0.480 | 14 | 0.247 |
| Arsenic | 06/02/98 | 7.456 | 20 | 0.247 |
| Barium | 06/02/98 | 27.13 | 700 | 0.062 |
| Beryllium | 06/02/98 | 0.3715 | 1 | 0.062 |
| Cadmium | 06/02/98 | 0.2638 | 1 | 0.062 |
| Calcium | 06/02/98 | 400.1 | NLE | 2.470 |
| Chromium | 06/02/98 | 18.99 | NLE | 0.062 |
| Cobalt | 06/02/98 | 1.230 | NLE | 0.062 |
| Copper | 06/02/98 | 9.851 | 600 | 0.371 |
| Iron | 06/02/98 | 7582 | NLE | 1.235 |
| Lead | 06/02/98 | 71.13 | 100 | 0.247 |
| Magnesium | 06/02/98 | 664.8 | NLE | 2.470 |
| Manganese | 06/02/98 | 21.19 | NLE | 0.062 |
| Mercury | 03/20/98 | 17.584 | 14 | 0.600 |
| Nickel | 06/02/98 | 4.389 | 250 | 0.062 |
| Potassium | 06/02/98 | 1084 | NLE | 2.470 |
| Selenium | 06/02/98 | ND | 63 | 0.371 |
| Silver | 06/02/98 | ND | 110 | 0.371 |
| Sodium | 06/02/98 | 57.27 | NLE | 2.470 |
| Thallium | 06/02/98 | ND | 2 | 0.371 |
| Vanadium | 06/02/98 | 18.50 | 370 | 0.124 |
| Zinc | 06/02/98 | 73.37 | 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 #: 3567.02
Sample Received: 05/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-60, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 13190 | NLE | 1.231 |
| Antimony | 06/02/98 | 1.266 | 14 | 0.246 |
| Arsenic | 06/02/98 | 10.76 | 20 | 0.246 |
| Barium | 06/02/98 | 34.64 | 700 | 0.062 |
| Beryllium | 06/02/98 | 1.496 | 1 | 0.062 |
| Cadmium | 06/02/98 | ND | 1 | 0.062 |
| Calcium | 06/02/98 | 1188 | NLE | 2.461 |
| Chromium | 06/02/98 | 100.1 | NLE | 0.062 |
| Cobalt | 06/02/98 | 2.967 | NLE | 0.062 |
| Copper | 06/02/98 | 5.622 | 600 | 0.369 |
| Iron | 06/02/98 | 36290 | NLE | 1.231 |
| Lead | 06/02/98 | 10.39 | 100 | 0.246 |
| Magnesium | 06/02/98 | 3941 | NLE | 2.461 |
| Manganese | 06/02/98 | 95.30 | NLE | 0.062 |
| Mercury | 05/18/98 | 0.671 | 14 | 0.046 |
| Nickel | 06/02/98 | 7.747 | 250 | 0.062 |
| Potassium | 06/02/98 | 7084 | NLE | 2.461 |
| Selenium | 06/02/98 | ND | 63 | 0.369 |
| Silver | 06/02/98 | ND | 110 | 0.369 |
| Sodium | 06/02/98 | 81.70 | NLE | 2.461 |
| Thallium | 06/02/98 | ND | 2 | 0.369 |
| Vanadium | 06/02/98 | 44.53 | 370 | 0.123 |
| Zinc | 06/02/98 | 59.43 | 1500 | 0.123 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3567.06
Sample Received: 05/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-61, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 9246 | NLE | 1.022 |
| Antimony | 06/02/98 | 0.860 | 14 | 0.204 |
| Arsenic | 06/02/98 | 7.677 | 20 | 0.204 |
| Barium | 06/02/98 | 21.61 | 700 | 0.051 |
| Beryllium | 06/02/98 | 1.056 | 1 | 0.051 |
| Cadmium | 06/02/98 | ND | 1 | 0.051 |
| Calcium | 06/02/98 | 491.6 | NLE | 2.044 |
| Chromium | 06/02/98 | 82.22 | NLE | 0.051 |
| Cobalt | 06/02/98 | 1.778 | NLE | 0.051 |
| Copper | 06/02/98 | 3.459 | 600 | 0.307 |
| Iron | 06/02/98 | 26710 | NLE | 1.022 |
| Lead | 06/02/98 | 9.338 | 100 | 0.204 |
| Magnesium | 06/02/98 | 2704 | NLE | 2.044 |
| Manganese | 06/02/98 | 47.43 | NLE | 0.051 |
| Mercury | 05/18/98 | 0.058 | 14 | 0.023 |
| Nickel | 06/02/98 | 5.302 | 250 | 0.051 |
| Potassium | 06/02/98 | 5398 | NLE | 2.044 |
| Selenium | 06/02/98 | ND | 63 | 0.307 |
| Silver | 06/02/98 | ND | 110 | 0.307 |
| Sodium | 06/02/98 | 49.79 | NLE | 2.044 |
| Thallium | 06/02/98 | ND | 2 | 0.307 |
| Vanadium | 06/02/98 | 37.72 | 370 | 0.102 |
| Zinc | 06/02/98 | 41.41 | 1500 | 0.102 |

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 #: 3567.10
Sample Received: 05/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-62, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 5436 | NLE | 1.124 |
| Antimony | 06/02/98 | 0.921 | 14 | 0.225 |
| Arsenic | 06/02/98 | 5.493 | 20 | 0.225 |
| Barium | 06/02/98 | 18.86 | 700 | 0.056 |
| Beryllium | 06/02/98 | 0.6189 | 1 | 0.056 |
| Cadmium | 06/02/98 | 0.7023 | 1 | 0.056 |
| Calcium | 06/02/98 | 181.1 | NLE | 2.248 |
| Chromium | 06/02/98 | 49.99 | NLE | 0.056 |
| Cobalt | 06/02/98 | 0.5732 | NLE | 0.056 |
| Copper | 06/02/98 | 20.54 | 600 | 0.337 |
| Iron | 06/02/98 | 15460 | NLE | 1.124 |
| Lead | 06/02/98 | 94.89 | 100 | 0.225 |
| Magnesium | 06/02/98 | 948.3 | NLE | 2.248 |
| Manganese | 06/02/98 | 18.48 | NLE | 0.056 |
| Mercury | 05/18/98 | 0.161 | 14 | 0.046 |
| Nickel | 06/02/98 | 3.305 | 250 | 0.056 |
| Potassium | 06/02/98 | 2311 | NLE | 2.248 |
| Selenium | 06/02/98 | ND | 63 | 0.337 |
| Silver | 06/02/98 | ND | 110 | 0.337 |
| Sodium | 06/02/98 | 51.48 | NLE | 2.248 |
| Thallium | 06/02/98 | ND | 2 | 0.337 |
| Vanadium | 06/02/98 | 39.39 | 370 | 0.112 |
| Zinc | 06/02/98 | 32.25 | 1500 | 0.112 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3567.14
Sample Received: 05/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-63, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 7195 | NLE | 1.050 |
| Antimony | 06/02/98 | 1.010 | 14 | 0.210 |
| Arsenic | 06/02/98 | 8.630 | 20 | 0.210 |
| Barium | 06/02/98 | 111.8 | 700 | 0.052 |
| Beryllium | 06/02/98 | 0.8207 | 1 | 0.052 |
| Cadmium | 06/02/98 | 0.2273 | 1 | 0.052 |
| Calcium | 06/02/98 | 1930 | NLE | 2.099 |
| Chromium | 06/02/98 | 57.85 | NLE | 0.052 |
| Cobalt | 06/02/98 | 1.540 | NLE | 0.052 |
| Copper | 06/02/98 | 50.68 | 600 | 0.315 |
| Iron | 06/02/98 | 22510 | NLE | 1.050 |
| Lead | 06/02/98 | 673.7 | 100 | 0.210 |
| Magnesium | 06/02/98 | 1648 | NLE | 2.099 |
| Manganese | 06/02/98 | 144.0 | NLE | 0.052 |
| Mercury | 05/18/98 | 0.115 | 14 | 0.038 |
| Nickel | 06/02/98 | 8.803 | 250 | 0.052 |
| Potassium | 06/02/98 | 3715 | NLE | 2.099 |
| Selenium | 06/02/98 | ND | 63 | 0.315 |
| Silver | 06/02/98 | ND | 110 | 0.315 |
| Sodium | 06/02/98 | 439.1 | NLE | 2.099 |
| Thallium | 06/02/98 | ND | 2 | 0.315 |
| Vanadium | 06/02/98 | 27.81 | 370 | 0.105 |
| Zinc | 06/02/98 | 338.9 | 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 #: 3567.19
Sample Received: 05/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-64, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 15670 | NLE | 1.298 |
| Antimony | 06/02/98 | 1.059 | 14 | 0.260 |
| Arsenic | 06/02/98 | 14.60 | 20 | 0.260 |
| Barium | 06/02/98 | 52.75 | 700 | 0.065 |
| Beryllium | 06/02/98 | 1.179 | 1 | 0.065 |
| Cadmium | 06/02/98 | ND | 1 | 0.065 |
| Calcium | 06/02/98 | 969.0 | NLE | 2.596 |
| Chromium | 06/02/98 | 81.95 | NLE | 0.065 |
| Cobalt | 06/02/98 | 4.367 | NLE | 0.065 |
| Copper | 06/02/98 | 8.773 | 600 | 0.389 |
| Iron | 06/02/98 | 34010 | NLE | 1.298 |
| Lead | 06/02/98 | 20.20 | 100 | 0.260 |
| Magnesium | 06/02/98 | 2740 | NLE | 2.596 |
| Manganese | 06/02/98 | 175.4 | NLE | 0.065 |
| Mercury | 05/18/98 | 0.170 | 14 | 0.028 |
| Nickel | 06/02/98 | 13.41 | 250 | 0.065 |
| Potassium | 06/02/98 | 5202 | NLE | 2.596 |
| Selenium | 06/02/98 | ND | 63 | 0.389 |
| Silver | 06/02/98 | ND | 110 | 0.389 |
| Sodium | 06/02/98 | 287.7 | NLE | 2.596 |
| Thallium | 06/02/98 | ND | 2 | 0.389 |
| Vanadium | 06/02/98 | 74.48 | 370 | 0.130 |
| Zinc | 06/02/98 | 73.04 | 1500 | 0.130 |

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 #: 3571.02
Sample Received: 05/15/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-65, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 8058 | NLE | 1.096 |
| Antimony | 06/02/98 | 0.997 | 14 | 0.219 |
| Arsenic | 06/02/98 | 7.830 | 20 | 0.219 |
| Barium | 06/02/98 | 28.50 | 700 | 0.055 |
| Beryllium | 06/02/98 | 0.8404 | 1 | 0.055 |
| Cadmium | 06/02/98 | ND | 1 | 0.055 |
| Calcium | 06/02/98 | 744.4 | NLE | 2.191 |
| Chromium | 06/02/98 | 68.44 | NLE | 0.055 |
| Cobalt | 06/02/98 | 3.136 | NLE | 0.055 |
| Copper | 06/02/98 | 5.669 | 600 | 0.329 |
| Iron | 06/02/98 | 29740 | NLE | 1.096 |
| Lead | 06/02/98 | 30.10 | 100 | 0.219 |
| Magnesium | 06/02/98 | 1237 | NLE | 2.191 |
| Manganese | 06/02/98 | 76.07 | NLE | 0.055 |
| Mercury | 05/18/98 | 0.074 | 14 | 0.037 |
| Nickel | 06/02/98 | 9.240 | 250 | 0.055 |
| Potassium | 06/02/98 | 3399 | NLE | 2.191 |
| Selenium | 06/02/98 | ND | 63 | 0.329 |
| Silver | 06/02/98 | ND | 110 | 0.329 |
| Sodium | 06/02/98 | 56.68 | NLE | 2.191 |
| Thallium | 06/02/98 | ND | 2 | 0.329 |
| Vanadium | 06/02/98 | 74.42 | 370 | 0.110 |
| Zinc | 06/02/98 | 55.34 | 1500 | 0.110 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3571.06
Sample Received: 05/15/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-66, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 3044 | NLE | 1.187 |
| Antimony | 06/02/98 | 0.443 | 14 | 0.237 |
| Arsenic | 06/02/98 | 3.083 | 20 | 0.237 |
| Barium | 06/02/98 | 21.90 | 700 | 0.059 |
| Beryllium | 06/02/98 | 0.4444 | 1 | 0.059 |
| Cadmium | 06/02/98 | ND | 1 | 0.059 |
| Calcium | 06/02/98 | 266.5 | NLE | 2.374 |
| Chromium | 06/02/98 | 23.91 | NLE | 0.059 |
| Cobalt | 06/02/98 | 0.5376 | NLE | 0.059 |
| Copper | 06/02/98 | 7.449 | 600 | 0.356 |
| Iron | 06/02/98 | 8577 | NLE | 1.187 |
| Lead | 06/02/98 | 37.51 | 100 | 0.237 |
| Magnesium | 06/02/98 | 710.2 | NLE | 2.374 |
| Manganese | 06/02/98 | 29.05 | NLE | 0.059 |
| Mercury | 05/18/98 | 0.088 | 14 | 0.035 |
| Nickel | 06/02/98 | 2.565 | 250 | 0.059 |
| Potassium | 06/02/98 | 1602 | NLE | 2.374 |
| Selenium | 06/02/98 | ND | 63 | 0.356 |
| Silver | 06/02/98 | ND | 110 | 0.356 |
| Sodium | 06/02/98 | 11.90 | NLE | 2.374 |
| Thallium | 06/02/98 | ND | 2 | 0.356 |
| Vanadium | 06/02/98 | 14.64 | 370 | 0.119 |
| Zinc | 06/02/98 | 43.34 | 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 #: 3571.10
Sample Received: 05/15/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-67, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 7248 | NLE | 1.134 |
| Antimony | 06/02/98 | 0.350 | 14 | 0.227 |
| Arsenic | 06/02/98 | 7.190 | 20 | 0.227 |
| Barium | 06/02/98 | 15.88 | 700 | 0.057 |
| Beryllium | 06/02/98 | 0.6040 | 1 | 0.057 |
| Cadmium | 06/02/98 | ND | 1 | 0.057 |
| Calcium | 06/02/98 | 518.3 | NLE | 2.269 |
| Chromium | 06/02/98 | 42.72 | NLE | 0.057 |
| Cobalt | 06/02/98 | 2.701 | NLE | 0.057 |
| Copper | 06/02/98 | 3.409 | 600 | 0.340 |
| Iron | 06/02/98 | 25900 | NLE | 1.134 |
| Lead | 06/02/98 | 9.825 | 100 | 0.227 |
| Magnesium | 06/02/98 | 895.3 | NLE | 2.269 |
| Manganese | 06/02/98 | 79.87 | NLE | 0.057 |
| Mercury | 05/18/98 | 0.068 | 14 | 0.027 |
| Nickel | 06/02/98 | 7.650 | 250 | 0.057 |
| Potassium | 06/02/98 | 1460 | NLE | 2.269 |
| Selenium | 06/02/98 | ND | 63 | 0.340 |
| Silver | 06/02/98 | ND | 110 | 0.340 |
| Sodium | 06/02/98 | 43.74 | NLE | 2.269 |
| Thallium | 06/02/98 | ND | 2 | 0.340 |
| Vanadium | 06/02/98 | 56.21 | 370 | 0.113 |
| Zinc | 06/02/98 | 42.07 | 1500 | 0.113 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3571.13
Sample Received: 05/15/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-68, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 6761 | NLE | 1.219 |
| Antimony | 06/02/98 | 1.209 | 14 | 0.244 |
| Arsenic | 06/02/98 | 11.44 | 20 | 0.244 |
| Barium | 06/02/98 | 44.56 | 700 | 0.061 |
| Beryllium | 06/02/98 | 0.8332 | 1 | 0.061 |
| Cadmium | 06/02/98 | 0.1382 | 1 | 0.061 |
| Calcium | 06/02/98 | 1209 | NLE | 2.438 |
| Chromium | 06/02/98 | 57.83 | NLE | 0.061 |
| Cobalt | 06/02/98 | 4.179 | NLE | 0.061 |
| Copper | 06/02/98 | 42.05 | 600 | 0.366 |
| Iron | 06/02/98 | 27790 | NLE | 1.219 |
| Lead | 06/02/98 | 90.71 | 100 | 0.244 |
| Magnesium | 06/02/98 | 730.7 | NLE | 2.438 |
| Manganese | 06/02/98 | 54.71 | NLE | 0.061 |
| Mercury | 05/18/98 | 0.268 | 14 | 0.049 |
| Nickel | 06/02/98 | 10.39 | 250 | 0.061 |
| Potassium | 06/02/98 | 1202 | NLE | 2.438 |
| Selenium | 06/02/98 | ND | 63 | 0.366 |
| Silver | 06/02/98 | ND | 110 | 0.366 |
| Sodium | 06/02/98 | 72.72 | NLE | 2.438 |
| Thallium | 06/02/98 | ND | 2 | 0.366 |
| Vanadium | 06/02/98 | 74.83 | 370 | 0.122 |
| Zinc | 06/02/98 | 49.92 | 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 #: 3571.17
Sample Received: 05/15/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-69, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 7952 | NLE | 1.093 |
| Antimony | 06/02/98 | 1.305 | 14 | 0.219 |
| Arsenic | 06/02/98 | 10.21 | 20 | 0.219 |
| Barium | 06/02/98 | 125.5 | 700 | 0.055 |
| Beryllium | 06/02/98 | 0.8544 | 1 | 0.055 |
| Cadmium | 06/02/98 | 1.154 | 1 | 0.055 |
| Calcium | 06/02/98 | 1407 | NLE | 2.187 |
| Chromium | 06/02/98 | 51.07 | NLE | 0.055 |
| Cobalt | 06/02/98 | 5.826 | NLE | 0.055 |
| Copper | 06/02/98 | 1544 | 600 | 0.328 |
| Iron | 06/02/98 | 27860 | NLE | 1.093 |
| Lead | 06/02/98 | 852.3 | 100 | 0.219 |
| Magnesium | 06/02/98 | 817.3 | NLE | 2.187 |
| Manganese | 06/02/98 | 195.3 | NLE | 0.055 |
| Mercury | 05/18/98 | ND | 14 | 0.044 |
| Nickel | 06/02/98 | 17.71 | 250 | 0.055 |
| Potassium | 06/02/98 | 1922 | NLE | 2.187 |
| Selenium | 06/02/98 | ND | 63 | 0.328 |
| Silver | 06/02/98 | 1.082 | 110 | 0.328 |
| Sodium | 06/02/98 | 175.9 | NLE | 2.187 |
| Thallium | 06/02/98 | ND | 2 | 0.328 |
| Vanadium | 06/02/98 | 52.52 | 370 | 0.109 |
| Zinc | 06/02/98 | 455.0 | 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 #: 3576.02
Sample Received: 05/18/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-70, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 11120 | NLE | 1.121 |
| Antimony | 06/02/98 | 1.249 | 14 | 0.224 |
| Arsenic | 06/02/98 | 10.11 | 20 | 0.224 |
| Barium | 06/02/98 | 25.88 | 700 | 0.056 |
| Beryllium | 06/02/98 | 1.128 | 1 | 0.056 |
| Cadmium | 06/02/98 | ND | 1 | 0.056 |
| Calcium | 06/02/98 | 586.5 | NLE | 2.242 |
| Chromium | 06/02/98 | 114.5 | NLE | 0.056 |
| Cobalt | 06/02/98 | 4.800 | NLE | 0.056 |
| Copper | 06/02/98 | 2.028 | 600 | 0.336 |
| Iron | 06/02/98 | 47050 | NLE | 1.121 |
| Lead | 06/02/98 | 11.87 | 100 | 0.224 |
| Magnesium | 06/02/98 | 1074 | NLE | 2.242 |
| Manganese | 06/02/98 | 103.5 | NLE | 0.056 |
| Mercury | 06/02/98 | ND | 14 | 0.024 |
| Nickel | 06/02/98 | 16.38 | 250 | 0.056 |
| Potassium | 06/02/98 | 2684 | NLE | 2.242 |
| Selenium | 06/02/98 | ND | 63 | 0.336 |
| Silver | 06/02/98 | ND | 110 | 0.336 |
| Sodium | 06/02/98 | 92.70 | NLE | 2.242 |
| Thallium | 06/02/98 | ND | 2 | 0.336 |
| Vanadium | 06/02/98 | 148.9 | 370 | 0.112 |
| Zinc | 06/02/98 | 81.93 | 1500 | 0.112 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3576.06
Sample Received: 05/18/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-71, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 9388 | NLE | 1.132 |
| Antimony | 06/02/98 | 0.789 | 14 | 0.226 |
| Arsenic | 06/02/98 | 9.620 | 20 | 0.226 |
| Barium | 06/02/98 | 51.51 | 700 | 0.057 |
| Beryllium | 06/02/98 | 0.9041 | 1 | 0.057 |
| Cadmium | 06/02/98 | ND | 1 | 0.057 |
| Calcium | 06/02/98 | 1169 | NLE | 2.264 |
| Chromium | 06/02/98 | 77.94 | NLE | 0.057 |
| Cobalt | 06/02/98 | 3.255 | NLE | 0.057 |
| Copper | 06/02/98 | 39.85 | 600 | 0.340 |
| Iron | 06/02/98 | 33340 | NLE | 1.132 |
| Lead | 06/02/98 | 122.6 | 100 | 0.226 |
| Magnesium | 06/02/98 | 1435 | NLE | 2.264 |
| Manganese | 06/02/98 | 76.53 | NLE | 0.057 |
| Mercury | 06/02/98 | 0.079 | 14 | 0.022 |
| Nickel | 06/02/98 | 10.52 | 250 | 0.057 |
| Potassium | 06/02/98 | 3817 | NLE | 2.264 |
| Selenium | 06/02/98 | ND | 63 | 0.340 |
| Silver | 06/02/98 | ND | 110 | 0.340 |
| Sodium | 06/02/98 | 92.75 | NLE | 2.264 |
| Thallium | 06/02/98 | ND | 2 | 0.340 |
| Vanadium | 06/02/98 | 82.70 | 370 | 0.113 |
| Zinc | 06/02/98 | 117.6 | 1500 | 0.113 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3576.10
Sample Received: 05/18/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-72, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 8881 | NLE | 1.117 |
| Antimony | 06/02/98 | 0.724 | 14 | 0.223 |
| Arsenic | 06/02/98 | 8.338 | 20 | 0.223 |
| Barium | 06/02/98 | 58.95 | 700 | 0.056 |
| Beryllium | 06/02/98 | 0.6764 | 1 | 0.056 |
| Cadmium | 06/02/98 | 0.1899 | 1 | 0.056 |
| Calcium | 06/02/98 | 1570 | NLE | 2.234 |
| Chromium | 06/02/98 | 46.85 | NLE | 0.056 |
| Cobalt | 06/02/98 | 3.326 | NLE | 0.056 |
| Copper | 06/02/98 | 46.73 | 600 | 0.335 |
| Iron | 06/02/98 | 17160 | NLE | 1.117 |
| Lead | 06/02/98 | 58.50 | 100 | 0.223 |
| Magnesium | 06/02/98 | 1940 | NLE | 2.234 |
| Manganese | 06/02/98 | 89.70 | NLE | 0.056 |
| Mercury | 06/02/98 | 0.115 | 14 | 0.024 |
| Nickel | 06/02/98 | 8.935 | 250 | 0.056 |
| Potassium | 06/02/98 | 4607 | NLE | 2.234 |
| Selenium | 06/02/98 | ND | 63 | 0.335 |
| Silver | 06/02/98 | ND | 110 | 0.335 |
| Sodium | 06/02/98 | 262.7 | NLE | 2.234 |
| Thallium | 06/02/98 | ND | 2 | 0.335 |
| Vanadium | 06/02/98 | 34.60 | 370 | 0.112 |
| Zinc | 06/02/98 | 123.4 | 1500 | 0.112 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3576.14
Sample Received: 05/18/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-73, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 8643 | NLE | 1.129 |
| Antimony | 06/02/98 | 1.158 | 14 | 0.226 |
| Arsenic | 06/02/98 | 7.981 | 20 | 0.226 |
| Barium | 06/02/98 | 25.84 | 700 | 0.056 |
| Beryllium | 06/02/98 | 0.8670 | 1 | 0.056 |
| Cadmium | 06/02/98 | ND | 1 | 0.056 |
| Calcium | 06/02/98 | 691.0 | NLE | 2.259 |
| Chromium | 06/02/98 | 85.23 | NLE | 0.056 |
| Cobalt | 06/02/98 | 5.769 | NLE | 0.056 |
| Copper | 06/02/98 | 6.715 | 600 | 0.339 |
| Iron | 06/02/98 | 34570 | NLE | 1.129 |
| Lead | 06/02/98 | 75.52 | 100 | 0.226 |
| Magnesium | 06/02/98 | 941.0 | NLE | 2.259 |
| Manganese | 06/02/98 | 168.8 | NLE | 0.056 |
| Mercury | 06/02/98 | 0.053 | 14 | 0.024 |
| Nickel | 06/02/98 | 11.23 | 250 | 0.056 |
| Potassium | 06/02/98 | 2201 | NLE | 2.259 |
| Selenium | 06/02/98 | ND | 63 | 0.339 |
| Silver | 06/02/98 | ND | 110 | 0.339 |
| Sodium | 06/02/98 | 62.74 | NLE | 2.259 |
| Thallium | 06/02/98 | ND | 2 | 0.339 |
| Vanadium | 06/02/98 | 101.9 | 370 | 0.113 |
| Zinc | 06/02/98 | 104.7 | 1500 | 0.113 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3580.02
Sample Received: 05/19/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-74, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 2868 | NLE | 1.221 |
| Antimony | 06/02/98 | 0.570 | 14 | 0.244 |
| Arsenic | 06/02/98 | 4.511 | 20 | 0.244 |
| Barium | 06/02/98 | 12.69 | 700 | 0.061 |
| Beryllium | 06/02/98 | 0.4361 | 1 | 0.061 |
| Cadmium | 06/02/98 | ND | 1 | 0.061 |
| Calcium | 06/02/98 | 327.2 | NLE | 2.442 |
| Chromium | 06/02/98 | 27.92 | NLE | 0.061 |
| Cobalt | 06/02/98 | 0.7721 | NLE | 0.061 |
| Copper | 06/02/98 | 5.597 | 600 | 0.366 |
| Iron | 06/02/98 | 10120 | NLE | 1.221 |
| Lead | 06/02/98 | 18.46 | 100 | 0.244 |
| Magnesium | 06/02/98 | 664.5 | NLE | 2.442 |
| Manganese | 06/02/98 | 30.30 | NLE | 0.061 |
| Mercury | 06/02/98 | 0.041 | 14 | 0.025 |
| Nickel | 06/02/98 | 2.749 | 250 | 0.061 |
| Potassium | 06/02/98 | 1340 | NLE | 2.442 |
| Selenium | 06/02/98 | ND | 63 | 0.366 |
| Silver | 06/02/98 | ND | 110 | 0.366 |
| Sodium | 06/02/98 | 61.08 | NLE | 2.442 |
| Thallium | 06/02/98 | ND | 2 | 0.366 |
| Vanadium | 06/02/98 | 22.17 | 370 | 0.122 |
| Zinc | 06/02/98 | 25.57 | 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 #: 3580.05
Sample Received: 05/19/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-75, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 1781 | NLE | 1.095 |
| Antimony | 06/02/98 | ND | 14 | 0.219 |
| Arsenic | 06/02/98 | 1.452 | 20 | 0.219 |
| Barium | 06/02/98 | 5.525 | 700 | 0.055 |
| Beryllium | 06/02/98 | 0.2615 | 1 | 0.055 |
| Cadmium | 06/02/98 | ND | 1 | 0.055 |
| Calcium | 06/02/98 | 117.9 | NLE | 2.191 |
| Chromium | 06/02/98 | 18.67 | NLE | 0.055 |
| Cobalt | 06/02/98 | 0.4013 | NLE | 0.055 |
| Copper | 06/02/98 | 2.002 | 600 | 0.329 |
| Iron | 06/02/98 | 6671 | NLE | 1.095 |
| Lead | 06/02/98 | 5.525 | 100 | 0.219 |
| Magnesium | 06/02/98 | 334.2 | NLE | 2.191 |
| Manganese | 06/02/98 | 13.35 | NLE | 0.055 |
| Mercury | 06/02/98 | ND | 14 | 0.023 |
| Nickel | 06/02/98 | 1.679 | 250 | 0.055 |
| Potassium | 06/02/98 | 614.6 | NLE | 2.191 |
| Selenium | 06/02/98 | ND | 63 | 0.329 |
| Silver | 06/02/98 | ND | 110 | 0.329 |
| Sodium | 06/02/98 | 27.75 | NLE | 2.191 |
| Thallium | 06/02/98 | ND | 2 | 0.329 |
| Vanadium | 06/02/98 | 16.56 | 370 | 0.110 |
| Zinc | 06/02/98 | 12.77 | 1500 | 0.110 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3580.08
Sample Received: 05/19/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-76, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 6780 | NLE | 1.102 |
| Antimony | 06/02/98 | 0.686 | 14 | 0.220 |
| Arsenic | 06/02/98 | 6.874 | 20 | 0.220 |
| Barium | 06/02/98 | 26.72 | 700 | 0.055 |
| Beryllium | 06/02/98 | 0.6806 | 1 | 0.055 |
| Cadmium | 06/02/98 | ND | 1 | 0.055 |
| Calcium | 06/02/98 | 510.0 | NLE | 2.204 |
| Chromium | 06/02/98 | 61.92 | NLE | 0.055 |
| Cobalt | 06/02/98 | 2.925 | NLE | 0.055 |
| Copper | 06/02/98 | 8.638 | 600 | 0.331 |
| Iron | 06/02/98 | 28090 | NLE | 1.102 |
| Lead | 06/02/98 | 48.57 | 100 | 0.220 |
| Magnesium | 06/02/98 | 887.6 | NLE | 2.204 |
| Manganese | 06/02/98 | 67.87 | NLE | 0.055 |
| Mercury | 06/02/98 | 0.028 | 14 | 0.024 |
| Nickel | 06/02/98 | 8.334 | 250 | 0.055 |
| Potassium | 06/02/98 | 1966 | NLE | 2.204 |
| Selenium | 06/02/98 | ND | 63 | 0.331 |
| Silver | 06/02/98 | ND | 110 | 0.331 |
| Sodium | 06/02/98 | 32.16 | NLE | 2.204 |
| Thallium | 06/02/98 | ND | 2 | 0.331 |
| Vanadium | 06/02/98 | 73.25 | 370 | 0.110 |
| Zinc | 06/02/98 | 53.92 | 1500 | 0.110 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3580.11
Sample Received: 05/19/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-77, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 8537 | NLE | 1.104 |
| Antimony | 06/02/98 | 1.309 | 14 | 0.221 |
| Arsenic | 06/02/98 | 8.003 | 20 | 0.221 |
| Barium | 06/02/98 | 24.35 | 700 | 0.055 |
| Beryllium | 06/02/98 | 0.9024 | 1 | 0.055 |
| Cadmium | 06/02/98 | ND | 1 | 0.055 |
| Calcium | 06/02/98 | 440.1 | NLE | 2.209 |
| Chromium | 06/02/98 | 97.55 | NLE | 0.055 |
| Cobalt | 06/02/98 | 2.623 | NLE | 0.055 |
| Copper | 06/02/98 | 3.266 | 600 | 0.331 |
| Iron | 06/02/98 | 36430 | NLE | 1.104 |
| Lead | 06/02/98 | 16.89 | 100 | 0.221 |
| Magnesium | 06/02/98 | 863.8 | NLE | 2.209 |
| Manganese | 06/02/98 | 62.27 | NLE | 0.055 |
| Mercury | 06/02/98 | 0.029 | 14 | 0.022 |
| Nickel | 06/02/98 | 10.82 | 250 | 0.055 |
| Potassium | 06/02/98 | 2023 | NLE | 2.209 |
| Selenium | 06/02/98 | ND | 63 | 0.331 |
| Silver | 06/02/98 | ND | 110 | 0.331 |
| Sodium | 06/02/98 | 31.08 | NLE | 2.209 |
| Thallium | 06/02/98 | ND | 2 | 0.331 |
| Vanadium | 06/02/98 | 103.0 | 370 | 0.110 |
| Zinc | 06/02/98 | 58.91 | 1500 | 0.110 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3580.14
Sample Received: 05/19/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-78, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 10590 | NLE | 1.166 |
| Antimony | 06/02/98 | 1.531 | 14 | 0.233 |
| Arsenic | 06/02/98 | 10.88 | 20 | 0.233 |
| Barium | 06/02/98 | 24.94 | 700 | 0.058 |
| Beryllium | 06/02/98 | 1.190 | 1 | 0.058 |
| Cadmium | 06/02/98 | ND | 1 | 0.058 |
| Calcium | 06/02/98 | 809.2 | NLE | 2.331 |
| Chromium | 06/02/98 | 96.08 | NLE | 0.058 |
| Cobalt | 06/02/98 | 5.587 | NLE | 0.058 |
| Copper | 06/02/98 | 27.74 | 600 | 0.350 |
| Iron | 06/02/98 | 56400 | NLE | 1.166 |
| Lead | 06/02/98 | 33.19 | 100 | 0.233 |
| Magnesium | 06/02/98 | 1385 | NLE | 2.331 |
| Manganese | 06/02/98 | 160.5 | NLE | 0.058 |
| Mercury | 06/02/98 | ND | 14 | 0.021 |
| Nickel | 06/02/98 | 13.68 | 250 | 0.058 |
| Potassium | 06/02/98 | 3911 | NLE | 2.331 |
| Selenium | 06/02/98 | ND | 63 | 0.350 |
| Silver | 06/02/98 | ND | 110 | 0.350 |
| Sodium | 06/02/98 | 150.5 | NLE | 2.331 |
| Thallium | 06/02/98 | ND | 2 | 0.350 |
| Vanadium | 06/02/98 | 123.0 | 370 | 0.117 |
| Zinc | 06/02/98 | 72.31 | 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 #: 3580.18
Sample Received: 05/19/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-79, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 10590 | NLE | 1.166 |
| Antimony | 06/02/98 | 1.531 | 14 | 0.233 |
| Arsenic | 06/02/98 | 10.88 | 20 | 0.233 |
| Barium | 06/02/98 | 24.94 | 700 | 0.058 |
| Beryllium | 06/02/98 | 1.190 | 1 | 0.058 |
| Cadmium | 06/02/98 | ND | 1 | 0.058 |
| Calcium | 06/02/98 | 809.2 | NLE | 2.331 |
| Chromium | 06/02/98 | 96.08 | NLE | 0.058 |
| Cobalt | 06/02/98 | 5.587 | NLE | 0.058 |
| Copper | 06/02/98 | 27.74 | 600 | 0.350 |
| Iron | 06/02/98 | 56400 | NLE | 1.166 |
| Lead | 06/02/98 | 33.19 | 100 | 0.233 |
| Magnesium | 06/02/98 | 1385 | NLE | 2.331 |
| Manganese | 06/02/98 | 160.5 | NLE | 0.058 |
| Mercury | 06/02/98 | ND | 14 | 0.021 |
| Nickel | 06/02/98 | 13.68 | 250 | 0.058 |
| Potassium | 06/02/98 | 3911 | NLE | 2.331 |
| Selenium | 06/02/98 | ND | 63 | 0.350 |
| Silver | 06/02/98 | ND | 110 | 0.350 |
| Sodium | 06/02/98 | 150.5 | NLE | 2.331 |
| Thallium | 06/02/98 | ND | 2 | 0.350 |
| Vanadium | 06/02/98 | 123.0 | 370 | 0.117 |
| Zinc | 06/02/98 | 72.31 | 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 #: 3580.22
Sample Received: 05/19/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-80, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 10450 | NLE | 1.083 |
| Antimony | 06/02/98 | 1.642 | 14 | 0.217 |
| Arsenic | 06/02/98 | 10.26 | 20 | 0.217 |
| Barium | 06/02/98 | 24.91 | 700 | 0.054 |
| Beryllium | 06/02/98 | 1.143 | 1 | 0.054 |
| Cadmium | 06/02/98 | ND | 1 | 0.054 |
| Calcium | 06/02/98 | 611.8 | NLE | 2.165 |
| Chromium | 06/02/98 | 112.3 | NLE | 0.054 |
| Cobalt | 06/02/98 | 5.818 | NLE | 0.054 |
| Copper | 06/02/98 | 4.975 | 600 | 0.325 |
| Iron | 06/02/98 | 47360 | NLE | 1.083 |
| Lead | 06/02/98 | 65.52 | 100 | 0.217 |
| Magnesium | 06/02/98 | 1003 | NLE | 2.165 |
| Manganese | 06/02/98 | 141.4 | NLE | 0.054 |
| Mercury | 05/18/98 | ND | 14 | 0.023 |
| Nickel | 06/02/98 | 15.43 | 250 | 0.054 |
| Potassium | 06/02/98 | 2351 | NLE | 2.165 |
| Selenium | 06/02/98 | ND | 63 | 0.325 |
| Silver | 06/02/98 | ND | 110 | 0.325 |
| Sodium | 06/02/98 | 27.11 | NLE | 2.165 |
| Thallium | 06/02/98 | ND | 2 | 0.325 |
| Vanadium | 06/02/98 | 154.8 | 370 | 0.108 |
| Zinc | 06/02/98 | 70.89 | 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 #: 3580.26
Sample Received: 05/19/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-81, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 2577 | NLE | 1.150 |
| Antimony | 06/02/98 | 0.308 | 14 | 0.230 |
| Arsenic | 06/02/98 | 5.594 | 20 | 0.230 |
| Barium | 06/02/98 | 36.08 | 700 | 0.058 |
| Beryllium | 06/02/98 | 0.2973 | 1 | 0.058 |
| Cadmium | 06/02/98 | 0.0968 | 1 | 0.058 |
| Calcium | 06/02/98 | 865.2 | NLE | 2.300 |
| Chromium | 06/02/98 | 11.66 | NLE | 0.058 |
| Cobalt | 06/02/98 | 1.554 | NLE | 0.058 |
| Copper | 06/02/98 | 17.64 | 600 | 0.345 |
| Iron | 06/02/98 | 6221 | NLE | 1.150 |
| Lead | 06/02/98 | 36.85 | 100 | 0.230 |
| Magnesium | 06/02/98 | 318.6 | NLE | 2.300 |
| Manganese | 06/02/98 | 17.63 | NLE | 0.058 |
| Mercury | 05/18/98 | 0.061 | 14 | 0.023 |
| Nickel | 06/02/98 | 4.848 | 250 | 0.058 |
| Potassium | 06/02/98 | 648.6 | NLE | 2.300 |
| Selenium | 06/02/98 | 0.385 | 63 | 0.345 |
| Silver | 06/02/98 | ND | 110 | 0.345 |
| Sodium | 06/02/98 | 138.3 | NLE | 2.300 |
| Thallium | 06/02/98 | ND | 2 | 0.345 |
| Vanadium | 06/02/98 | 18.03 | 370 | 0.115 |
| Zinc | 06/02/98 | 29.27 | 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 #: 3580.30
Sample Received: 05/19/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-82, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 2449 | NLE | 1.126 |
| Antimony | 06/02/98 | 0.356 | 14 | 0.225 |
| Arsenic | 06/02/98 | 1.387 | 20 | 0.225 |
| Barium | 06/02/98 | 15.13 | 700 | 0.056 |
| Beryllium | 06/02/98 | 0.3248 | 1 | 0.056 |
| Cadmium | 06/02/98 | ND | 1 | 0.056 |
| Calcium | 06/02/98 | 316.7 | NLE | 2.253 |
| Chromium | 06/02/98 | 19.27 | NLE | 0.056 |
| Cobalt | 06/02/98 | 0.4012 | NLE | 0.056 |
| Copper | 06/02/98 | 1.524 | 600 | 0.338 |
| Iron | 06/02/98 | 6563 | NLE | 1.126 |
| Lead | 06/02/98 | 4.790 | 100 | 0.225 |
| Magnesium | 06/02/98 | 568.3 | NLE | 2.253 |
| Manganese | 06/02/98 | 12.37 | NLE | 0.056 |
| Mercury | 05/18/98 | ND | 14 | 0.022 |
| Nickel | 06/02/98 | 1.503 | 250 | 0.056 |
| Potassium | 06/02/98 | 1045 | NLE | 2.253 |
| Selenium | 06/02/98 | ND | 63 | 0.338 |
| Silver | 06/02/98 | ND | 110 | 0.338 |
| Sodium | 06/02/98 | 13.70 | NLE | 2.253 |
| Thallium | 06/02/98 | ND | 2 | 0.338 |
| Vanadium | 06/02/98 | 13.74 | 370 | 0.113 |
| Zinc | 06/02/98 | 12.57 | 1500 | 0.113 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3580.34
Sample Received: 05/19/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-83, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 1275 | NLE | 1.049 |
| Antimony | 06/02/98 | 0.255 | 14 | 0.210 |
| Arsenic | 06/02/98 | 0.858 | 20 | 0.210 |
| Barium | 06/02/98 | 4.896 | 700 | 0.052 |
| Beryllium | 06/02/98 | 0.1492 | 1 | 0.052 |
| Cadmium | 06/02/98 | ND | 1 | 0.052 |
| Calcium | 06/02/98 | 134.9 | NLE | 2.098 |
| Chromium | 06/02/98 | 12.27 | NLE | 0.052 |
| Cobalt | 06/02/98 | 0.2038 | NLE | 0.052 |
| Copper | 06/02/98 | 1.995 | 600 | 0.315 |
| Iron | 06/02/98 | 4284 | NLE | 1.049 |
| Lead | 06/02/98 | 6.115 | 100 | 0.210 |
| Magnesium | 06/02/98 | 317.3 | NLE | 2.098 |
| Manganese | 06/02/98 | 8.873 | NLE | 0.052 |
| Mercury | 05/18/98 | ND | 14 | 0.020 |
| Nickel | 06/02/98 | 0.8202 | 250 | 0.052 |
| Potassium | 06/02/98 | 490.0 | NLE | 2.098 |
| Selenium | 06/02/98 | ND | 63 | 0.315 |
| Silver | 06/02/98 | ND | 110 | 0.315 |
| Sodium | 06/02/98 | 23.19 | NLE | 2.098 |
| Thallium | 06/02/98 | ND | 2 | 0.315 |
| Vanadium | 06/02/98 | 9.388 | 370 | 0.105 |
| Zinc | 06/02/98 | 7.018 | 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 #: 3584.02
Sample Received: 05/20/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-84, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 9216 | NLE | 1.217 |
| Antimony | 06/02/98 | 1.288 | 14 | 0.243 |
| Arsenic | 06/02/98 | 11.23 | 20 | 0.243 |
| Barium | 06/02/98 | 29.34 | 700 | 0.061 |
| Beryllium | 06/02/98 | 0.6340 | 1 | 0.061 |
| Cadmium | 06/02/98 | ND | 1 | 0.061 |
| Calcium | 06/02/98 | 817.1 | NLE | 2.434 |
| Chromium | 06/02/98 | 62.61 | NLE | 0.061 |
| Cobalt | 06/02/98 | 1.854 | NLE | 0.061 |
| Copper | 06/02/98 | 43.09 | 600 | 0.365 |
| Iron | 06/02/98 | 24830 | NLE | 1.217 |
| Lead | 06/02/98 | 126.8 | 100 | 0.243 |
| Magnesium | 06/02/98 | 1392 | NLE | 2.434 |
| Manganese | 06/02/98 | 40.00 | NLE | 0.061 |
| Mercury | 06/02/98 | 0.123 | 14 | 0.025 |
| Nickel | 06/02/98 | 7.483 | 250 | 0.061 |
| Potassium | 06/02/98 | 4076 | NLE | 2.434 |
| Selenium | 06/02/98 | ND | 63 | 0.365 |
| Silver | 06/02/98 | ND | 110 | 0.365 |
| Sodium | 06/02/98 | 61.43 | NLE | 2.434 |
| Thallium | 06/02/98 | ND | 2 | 0.365 |
| Vanadium | 06/02/98 | 58.91 | 370 | 0.122 |
| Zinc | 06/02/98 | 46.59 | 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 #: 3584.06
Sample Received: 05/20/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-85, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 6650 | NLE | 1.208 |
| Antimony | 06/02/98 | 0.520 | 14 | 0.242 |
| Arsenic | 06/02/98 | 4.610 | 20 | 0.242 |
| Barium | 06/02/98 | 14.66 | 700 | 0.060 |
| Beryllium | 06/02/98 | 0.3893 | 1 | 0.060 |
| Cadmium | 06/02/98 | ND | 1 | 0.060 |
| Calcium | 06/02/98 | 590.2 | NLE | 2.417 |
| Chromium | 06/02/98 | 37.09 | NLE | 0.060 |
| Cobalt | 06/02/98 | 2.493 | NLE | 0.060 |
| Copper | 06/02/98 | 3.002 | 600 | 0.363 |
| Iron | 06/02/98 | 13010 | NLE | 1.208 |
| Lead | 06/02/98 | 6.786 | 100 | 0.242 |
| Magnesium | 06/02/98 | 974.8 | NLE | 2.417 |
| Manganese | 06/02/98 | 85.56 | NLE | 0.060 |
| Mercury | 06/02/98 | 0.024 | 14 | 0.023 |
| Nickel | 06/02/98 | 3.728 | 250 | 0.060 |
| Potassium | 06/02/98 | 1656 | NLE | 2.417 |
| Selenium | 06/02/98 | ND | 63 | 0.363 |
| Silver | 06/02/98 | ND | 110 | 0.363 |
| Sodium | 06/02/98 | 38.89 | NLE | 2.417 |
| Thallium | 06/02/98 | ND | 2 | 0.363 |
| Vanadium | 06/02/98 | 32.18 | 370 | 0.121 |
| Zinc | 06/02/98 | 20.41 | 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 #: 3584.10
Sample Received: 05/20/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-86, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 7711 | NLE | 1.185 |
| Antimony | 06/02/98 | 1.219 | 14 | 0.237 |
| Arsenic | 06/02/98 | 8.103 | 20 | 0.237 |
| Barium | 06/02/98 | 14.57 | 700 | 0.059 |
| Beryllium | 06/02/98 | 0.9604 | 1 | 0.059 |
| Cadmium | 06/02/98 | ND | 1 | 0.059 |
| Calcium | 06/02/98 | 646.2 | NLE | 2.370 |
| Chromium | 06/02/98 | 91.08 | NLE | 0.059 |
| Cobalt | 06/02/98 | 2.845 | NLE | 0.059 |
| Copper | 06/02/98 | 0.413 | 600 | 0.355 |
| Iron | 06/02/98 | 41350 | NLE | 1.185 |
| Lead | 06/02/98 | 7.797 | 100 | 0.237 |
| Magnesium | 06/02/98 | 780.5 | NLE | 2.370 |
| Manganese | 06/02/98 | 49.43 | NLE | 0.059 |
| Mercury | 06/02/98 | ND | 14 | 0.023 |
| Nickel | 06/02/98 | 12.44 | 250 | 0.059 |
| Potassium | 06/02/98 | 1321 | NLE | 2.370 |
| Selenium | 06/02/98 | ND | 63 | 0.355 |
| Silver | 06/02/98 | ND | 110 | 0.355 |
| Sodium | 06/02/98 | 40.52 | NLE | 2.370 |
| Thallium | 06/02/98 | ND | 2 | 0.355 |
| Vanadium | 06/02/98 | 108.4 | 370 | 0.118 |
| Zinc | 06/02/98 | 57.83 | 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 #: 3584.14
Sample Received: 05/20/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-87, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 7796 | NLE | 1.197 |
| Antimony | 06/02/98 | 0.834 | 14 | 0.239 |
| Arsenic | 06/02/98 | 10.68 | 20 | 0.239 |
| Barium | 06/02/98 | 29.97 | 700 | 0.060 |
| Beryllium | 06/02/98 | 0.9373 | 1 | 0.060 |
| Cadmium | 06/02/98 | ND | 1 | 0.060 |
| Calcium | 06/02/98 | 1477 | NLE | 2.393 |
| Chromium | 06/02/98 | 88.90 | NLE | 0.060 |
| Cobalt | 06/02/98 | 3.717 | NLE | 0.060 |
| Copper | 06/02/98 | 4.648 | 600 | 0.359 |
| Iron | 06/02/98 | 41280 | NLE | 1.197 |
| Lead | 06/02/98 | 90.95 | 100 | 0.239 |
| Magnesium | 06/02/98 | 1019 | NLE | 2.393 |
| Manganese | 06/02/98 | 101.9 | NLE | 0.060 |
| Mercury | 06/02/98 | 0.034 | 14 | 0.022 |
| Nickel | 06/02/98 | 14.15 | 250 | 0.060 |
| Potassium | 06/02/98 | 1580 | NLE | 2.393 |
| Selenium | 06/02/98 | ND | 63 | 0.359 |
| Silver | 06/02/98 | ND | 110 | 0.359 |
| Sodium | 06/02/98 | 116.5 | NLE | 2.393 |
| Thallium | 06/02/98 | ND | 2 | 0.359 |
| Vanadium | 06/02/98 | 113.1 | 370 | 0.120 |
| Zinc | 06/02/98 | 79.89 | 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 #: 3584.18
Sample Received: 05/20/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-88, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 5870 | NLE | 1.271 |
| Antimony | 06/02/98 | 0.834 | 14 | 0.254 |
| Arsenic | 06/02/98 | 12.43 | 20 | 0.254 |
| Barium | 06/02/98 | 192.3 | 700 | 0.064 |
| Beryllium | 06/02/98 | 4.787 | 1 | 0.064 |
| Cadmium | 06/02/98 | 0.674 | 1 | 0.064 |
| Calcium | 06/02/98 | 1547 | NLE | 2.543 |
| Chromium | 06/02/98 | 54.19 | NLE | 0.064 |
| Cobalt | 06/02/98 | 7.393 | NLE | 0.064 |
| Copper | 06/02/98 | 2314 | 600 | 0.381 |
| Iron | 06/02/98 | 12220 | NLE | 1.271 |
| Lead | 06/02/98 | 1267 | 100 | 0.254 |
| Magnesium | 06/02/98 | 614.5 | NLE | 2.543 |
| Manganese | 06/02/98 | 175.7 | NLE | 0.064 |
| Mercury | 06/02/98 | 0.044 | 14 | 0.022 |
| Nickel | 06/02/98 | 22.36 | 250 | 0.064 |
| Potassium | 06/02/98 | 1654 | NLE | 2.543 |
| Selenium | 06/02/98 | 1.379 | 63 | 0.381 |
| Silver | 06/02/98 | 3.472 | 110 | 0.381 |
| Sodium | 06/02/98 | 335.1 | NLE | 2.543 |
| Thallium | 06/02/98 | ND | 2 | 0.381 |
| Vanadium | 06/02/98 | 18.83 | 370 | 0.127 |
| Zinc | 06/02/98 | 500.7 | 1500 | 0.127 |

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 #: 3584.22
Sample Received: 05/20/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-89, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 4347 | NLE | 1.349 |
| Antimony | 06/02/98 | 0.237 | 14 | 0.270 |
| Arsenic | 06/02/98 | 2.981 | 20 | 0.270 |
| Barium | 06/02/98 | 25.61 | 700 | 0.067 |
| Beryllium | 06/02/98 | 0.3072 | 1 | 0.067 |
| Cadmium | 06/02/98 | ND | 1 | 0.067 |
| Calcium | 06/02/98 | 1663 | NLE | 2.698 |
| Chromium | 06/02/98 | 7.984 | NLE | 0.067 |
| Cobalt | 06/02/98 | 3.526 | NLE | 0.067 |
| Copper | 06/02/98 | 46.74 | 600 | 0.405 |
| Iron | 06/02/98 | 5168 | NLE | 1.349 |
| Lead | 06/02/98 | 15.43 | 100 | 0.270 |
| Magnesium | 06/02/98 | 359.5 | NLE | 2.698 |
| Manganese | 06/02/98 | 97.42 | NLE | 0.067 |
| Mercury | 06/02/98 | 0.039 | 14 | 0.026 |
| Nickel | 06/02/98 | 10.93 | 250 | 0.067 |
| Potassium | 06/02/98 | 633.6 | NLE | 2.698 |
| Selenium | 06/02/98 | ND | 63 | 0.405 |
| Silver | 06/02/98 | ND | 110 | 0.405 |
| Sodium | 06/02/98 | 440.7 | NLE | 2.698 |
| Thallium | 06/02/98 | ND | 2 | 0.405 |
| Vanadium | 06/02/98 | 9.574 | 370 | 0.135 |
| Zinc | 06/02/98 | 26.70 | 1500 | 0.135 |

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 #: 3584.26
Sample Received: 05/20/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-90, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 4758 | NLE | 1.063 |
| Antimony | 06/02/98 | 0.945 | 14 | 0.213 |
| Arsenic | 06/02/98 | 15.53 | 20 | 0.213 |
| Barium | 06/02/98 | 8.797 | 700 | 0.053 |
| Beryllium | 06/02/98 | 0.4409 | 1 | 0.053 |
| Cadmium | 06/02/98 | ND | 1 | 0.053 |
| Calcium | 06/02/98 | 181.2 | NLE | 2.127 |
| Chromium | 06/02/98 | 58.29 | NLE | 0.053 |
| Cobalt | 06/02/98 | 0.5178 | NLE | 0.053 |
| Copper | 06/02/98 | 139.2 | 600 | 0.319 |
| Iron | 06/02/98 | 15660 | NLE | 1.063 |
| Lead | 06/02/98 | 19.27 | 100 | 0.213 |
| Magnesium | 06/02/98 | 1090 | NLE | 2.127 |
| Manganese | 06/02/98 | 9.783 | NLE | 0.053 |
| Mercury | 06/02/98 | 0.044 | 14 | 0.022 |
| Nickel | 06/02/98 | 2.453 | 250 | 0.053 |
| Potassium | 06/02/98 | 3985 | NLE | 2.127 |
| Selenium | 06/02/98 | 1.146 | 63 | 0.319 |
| Silver | 06/02/98 | ND | 110 | 0.319 |
| Sodium | 06/02/98 | 186.3 | NLE | 2.127 |
| Thallium | 06/02/98 | ND | 2 | 0.319 |
| Vanadium | 06/02/98 | 11.28 | 370 | 0.106 |
| Zinc | 06/02/98 | 35.88 | 1500 | 0.106 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3584.30
Sample Received: 05/20/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-91, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 2982 | NLE | 1.098 |
| Antimony | 06/02/98 | 0.542 | 14 | 0.220 |
| Arsenic | 06/02/98 | 4.745 | 20 | 0.220 |
| Barium | 06/02/98 | 21.03 | 700 | 0.055 |
| Beryllium | 06/02/98 | 0.3972 | 1 | 0.055 |
| Cadmium | 06/02/98 | ND | 1 | 0.055 |
| Calcium | 06/02/98 | 987.9 | NLE | 2.195 |
| Chromium | 06/02/98 | 27.55 | NLE | 0.055 |
| Cobalt | 06/02/98 | 0.9371 | NLE | 0.055 |
| Copper | 06/02/98 | 10.16 | 600 | 0.329 |
| Iron | 06/02/98 | 12860 | NLE | 1.098 |
| Lead | 06/02/98 | 50.74 | 100 | 0.220 |
| Magnesium | 06/02/98 | 748.0 | NLE | 2.195 |
| Manganese | 06/02/98 | 28.45 | NLE | 0.055 |
| Mercury | 06/02/98 | 0.053 | 14 | 0.021 |
| Nickel | 06/02/98 | 3.390 | 250 | 0.055 |
| Potassium | 06/02/98 | 1988 | NLE | 2.195 |
| Selenium | 06/02/98 | ND | 63 | 0.329 |
| Silver | 06/02/98 | ND | 110 | 0.329 |
| Sodium | 06/02/98 | 128.8 | NLE | 2.195 |
| Thallium | 06/02/98 | ND | 2 | 0.329 |
| Vanadium | 06/02/98 | 11.94 | 370 | 0.110 |
| Zinc | 06/02/98 | 76.22 | 1500 | 0.110 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3584.34
Sample Received: 05/20/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-92, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 2424 | NLE | 1.060 |
| Antimony | 06/02/98 | 0.305 | 14 | 0.212 |
| Arsenic | 06/02/98 | 1.092 | 20 | 0.212 |
| Barium | 06/02/98 | 12.71 | 700 | 0.053 |
| Beryllium | 06/02/98 | 0.3802 | 1 | 0.053 |
| Cadmium | 06/02/98 | ND | 1 | 0.053 |
| Calcium | 06/02/98 | 168.5 | NLE | 2.120 |
| Chromium | 06/02/98 | 16.35 | NLE | 0.053 |
| Cobalt | 06/02/98 | 0.4263 | NLE | 0.053 |
| Copper | 06/02/98 | 2.460 | 600 | 0.318 |
| Iron | 06/02/98 | 6114 | NLE | 1.060 |
| Lead | 06/02/98 | 5.981 | 100 | 0.212 |
| Magnesium | 06/02/98 | 517.9 | NLE | 2.120 |
| Manganese | 06/02/98 | 22.40 | NLE | 0.053 |
| Mercury | 06/02/98 | 0.036 | 14 | 0.024 |
| Nickel | 06/02/98 | 1.526 | 250 | 0.053 |
| Potassium | 06/02/98 | 1086 | NLE | 2.120 |
| Selenium | 06/02/98 | ND | 63 | 0.318 |
| Silver | 06/02/98 | ND | 110 | 0.318 |
| Sodium | 06/02/98 | 22.98 | NLE | 2.120 |
| Thallium | 06/02/98 | ND | 2 | 0.318 |
| Vanadium | 06/02/98 | 9.943 | 370 | 0.106 |
| Zinc | 06/02/98 | 14.81 | 1500 | 0.106 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3588.02
Sample Received: 05/21/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-93, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 6587 | NLE | 1.210 |
| Antimony | 06/02/98 | 0.864 | 14 | 0.242 |
| Arsenic | 06/02/98 | 9.735 | 20 | 0.242 |
| Barium | 06/02/98 | 18.68 | 700 | 0.060 |
| Beryllium | 06/02/98 | 0.4900 | 1 | 0.060 |
| Cadmium | 06/02/98 | ND | 1 | 0.060 |
| Calcium | 06/02/98 | 393.2 | NLE | 2.419 |
| Chromium | 06/02/98 | 56.44 | NLE | 0.060 |
| Cobalt | 06/02/98 | 1.026 | NLE | 0.060 |
| Copper | 06/02/98 | 11.74 | 600 | 0.363 |
| Iron | 06/02/98 | 21140 | NLE | 1.210 |
| Lead | 06/02/98 | 30.17 | 100 | 0.242 |
| Magnesium | 06/02/98 | 879.0 | NLE | 2.419 |
| Manganese | 06/02/98 | 16.42 | NLE | 0.060 |
| Mercury | 06/02/98 | 0.051 | 14 | 0.020 |
| Nickel | 06/02/98 | 4.015 | 250 | 0.060 |
| Potassium | 06/02/98 | 2804 | NLE | 2.419 |
| Selenium | 06/02/98 | ND | 63 | 0.363 |
| Silver | 06/02/98 | ND | 110 | 0.363 |
| Sodium | 06/02/98 | 91.43 | NLE | 2.419 |
| Thallium | 06/02/98 | ND | 2 | 0.363 |
| Vanadium | 06/02/98 | 51.64 | 370 | 0.121 |
| Zinc | 06/02/98 | 27.70 | 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 #: 3588.06
Sample Received: 05/21/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-94, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 7273 | NLE | 1.162 |
| Antimony | 06/02/98 | 0.705 | 14 | 0.232 |
| Arsenic | 06/02/98 | 9.530 | 20 | 0.232 |
| Barium | 06/02/98 | 21.47 | 700 | 0.058 |
| Beryllium | 06/02/98 | 0.7067 | 1 | 0.058 |
| Cadmium | 06/02/98 | ND | 1 | 0.058 |
| Calcium | 06/02/98 | 502.8 | NLE | 2.324 |
| Chromium | 06/02/98 | 57.07 | NLE | 0.058 |
| Cobalt | 06/02/98 | 3.164 | NLE | 0.058 |
| Copper | 06/02/98 | 2.615 | 600 | 0.349 |
| Iron | 06/02/98 | 28210 | NLE | 1.162 |
| Lead | 06/02/98 | 131.3 | 100 | 0.232 |
| Magnesium | 06/02/98 | 895.0 | NLE | 2.324 |
| Manganese | 06/02/98 | 67.30 | NLE | 0.058 |
| Mercury | 06/02/98 | 0.024 | 14 | 0.024 |
| Nickel | 06/02/98 | 8.536 | 250 | 0.058 |
| Potassium | 06/02/98 | 2075 | NLE | 2.324 |
| Selenium | 06/02/98 | ND | 63 | 0.349 |
| Silver | 06/02/98 | ND | 110 | 0.349 |
| Sodium | 06/02/98 | 37.29 | NLE | 2.324 |
| Thallium | 06/02/98 | ND | 2 | 0.349 |
| Vanadium | 06/02/98 | 75.40 | 370 | 0.116 |
| Zinc | 06/02/98 | 41.81 | 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 #: 3588.10
Sample Received: 05/21/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-95, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 6776 | NLE | 1.212 |
| Antimony | 06/02/98 | 0.293 | 14 | 0.242 |
| Arsenic | 06/02/98 | 7.075 | 20 | 0.242 |
| Barium | 06/02/98 | 50.99 | 700 | 0.061 |
| Beryllium | 06/02/98 | 0.5910 | 1 | 0.061 |
| Cadmium | 06/02/98 | ND | 1 | 0.061 |
| Calcium | 06/02/98 | 1605 | NLE | 2.424 |
| Chromium | 06/02/98 | 28.21 | NLE | 0.061 |
| Cobalt | 06/02/98 | 4.892 | NLE | 0.061 |
| Copper | 06/02/98 | 19.37 | 600 | 0.364 |
| Iron | 06/02/98 | 10070 | NLE | 1.212 |
| Lead | 06/02/98 | 18.73 | 100 | 0.242 |
| Magnesium | 06/02/98 | 1135 | NLE | 2.424 |
| Manganese | 06/02/98 | 32.46 | NLE | 0.061 |
| Mercury | 06/02/98 | 0.050 | 14 | 0.025 |
| Nickel | 06/02/98 | 14.98 | 250 | 0.061 |
| Potassium | 06/02/98 | 2495 | NLE | 2.424 |
| Selenium | 06/02/98 | 0.627 | 63 | 0.364 |
| Silver | 06/02/98 | ND | 110 | 0.364 |
| Sodium | 06/02/98 | 216.6 | NLE | 2.424 |
| Thallium | 06/02/98 | ND | 2 | 0.364 |
| Vanadium | 06/02/98 | 25.26 | 370 | 0.121 |
| Zinc | 06/02/98 | 27.54 | 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 #: 3588.14
Sample Received: 05/21/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-96, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 1231 | NLE | 1.224 |
| Antimony | 06/02/98 | 1.110 | 14 | 0.245 |
| Arsenic | 06/02/98 | 12.33 | 20 | 0.245 |
| Barium | 06/02/98 | 96.83 | 700 | 0.061 |
| Beryllium | 06/02/98 | 0.1224 | 1 | 0.061 |
| Cadmium | 06/02/98 | ND | 1 | 0.061 |
| Calcium | 06/02/98 | 383.6 | NLE | 2.448 |
| Chromium | 06/02/98 | 11.51 | NLE | 0.061 |
| Cobalt | 06/02/98 | 1.152 | NLE | 0.061 |
| Copper | 06/02/98 | 26.15 | 600 | 0.367 |
| Iron | 06/02/98 | 7920 | NLE | 1.224 |
| Lead | 06/02/98 | 78.99 | 100 | 0.245 |
| Magnesium | 06/02/98 | 286.0 | NLE | 2.448 |
| Manganese | 06/02/98 | 15.55 | NLE | 0.061 |
| Mercury | 06/02/98 | 0.184 | 14 | 0.024 |
| Nickel | 06/02/98 | 4.765 | 250 | 0.061 |
| Potassium | 06/02/98 | 472.2 | NLE | 2.448 |
| Selenium | 06/02/98 | 3.910 | 63 | 0.367 |
| Silver | 06/02/98 | ND | 110 | 0.367 |
| Sodium | 06/02/98 | 58.66 | NLE | 2.448 |
| Thallium | 06/02/98 | ND | 2 | 0.367 |
| Vanadium | 06/02/98 | 9.353 | 370 | 0.122 |
| Zinc | 06/02/98 | 13.94 | 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 #: 3588.18
Sample Received: 05/21/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-97, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 8665 | NLE | 1.193 |
| Antimony | 06/02/98 | 0.813 | 14 | 0.239 |
| Arsenic | 06/02/98 | 9.330 | 20 | 0.239 |
| Barium | 06/02/98 | 35.87 | 700 | 0.060 |
| Beryllium | 06/02/98 | 0.6407 | 1 | 0.060 |
| Cadmium | 06/02/98 | ND | 1 | 0.060 |
| Calcium | 06/02/98 | 1533 | NLE | 2.387 |
| Chromium | 06/02/98 | 41.47 | NLE | 0.060 |
| Cobalt | 06/02/98 | 3.802 | NLE | 0.060 |
| Copper | 06/02/98 | 14.07 | 600 | 0.358 |
| Iron | 06/02/98 | 21290 | NLE | 1.193 |
| Lead | 06/02/98 | 46.73 | 100 | 0.239 |
| Magnesium | 06/02/98 | 1372 | NLE | 2.387 |
| Manganese | 06/02/98 | 78.04 | NLE | 0.060 |
| Mercury | 06/02/98 | 0.099 | 14 | 0.025 |
| Nickel | 06/02/98 | 11.81 | 250 | 0.060 |
| Potassium | 06/02/98 | 3002 | NLE | 2.387 |
| Selenium | 06/02/98 | ND | 63 | 0.358 |
| Silver | 06/02/98 | ND | 110 | 0.358 |
| Sodium | 06/02/98 | 183.9 | NLE | 2.387 |
| Thallium | 06/02/98 | ND | 2 | 0.358 |
| Vanadium | 06/02/98 | 50.30 | 370 | 0.119 |
| Zinc | 06/02/98 | 43.54 | 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 #: 3588.22
Sample Received: 05/21/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-98, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 2673 | NLE | 1.266 |
| Antimony | 06/02/98 | 0.397 | 14 | 0.253 |
| Arsenic | 06/02/98 | 7.349 | 20 | 0.253 |
| Barium | 06/02/98 | 108.4 | 700 | 0.063 |
| Beryllium | 06/02/98 | 0.2846 | 1 | 0.063 |
| Cadmium | 06/02/98 | 0.415 | 1 | 0.063 |
| Calcium | 06/02/98 | 1042 | NLE | 2.532 |
| Chromium | 06/02/98 | 11.65 | NLE | 0.063 |
| Cobalt | 06/02/98 | 2.666 | NLE | 0.063 |
| Copper | 06/02/98 | 48.11 | 600 | 0.380 |
| Iron | 06/02/98 | 4878 | NLE | 1.266 |
| Lead | 06/02/98 | 69.52 | 100 | 0.253 |
| Magnesium | 06/02/98 | 342.3 | NLE | 2.532 |
| Manganese | 06/02/98 | 59.09 | NLE | 0.063 |
| Mercury | 06/02/98 | 0.340 | 14 | 0.024 |
| Nickel | 06/02/98 | 8.137 | 250 | 0.063 |
| Potassium | 06/02/98 | 456 | NLE | 2.532 |
| Selenium | 06/02/98 | 1.474 | 63 | 0.380 |
| Silver | 06/02/98 | 0.421 | 110 | 0.380 |
| Sodium | 06/02/98 | 177.3 | NLE | 2.532 |
| Thallium | 06/02/98 | ND | 2 | 0.380 |
| Vanadium | 06/02/98 | 10.97 | 370 | 0.127 |
| Zinc | 06/02/98 | 73.52 | 1500 | 0.127 |

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 #: 3593.02
Sample Received: 05/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-99, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analysis | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 06/02/98 | 3319 | NLE | 1.210 |
| Antimony | 06/02/98 | 1.522 | 14 | 0.242 |
| Arsenic | 06/02/98 | 4.823 | 20 | 0.242 |
| Barium | 06/02/98 | 25.33 | 700 | 0.060 |
| Beryllium | 06/02/98 | 0.2113 | 1 | 0.060 |
| Cadmium | 06/02/98 | 8.552 | 1 | 0.060 |
| Calcium | 06/02/98 | 1011 | NLE | 2.420 |
| Chromium | 06/02/98 | 20.07 | NLE | 0.060 |
| Cobalt | 06/02/98 | 2.289 | NLE | 0.060 |
| Copper | 06/02/98 | 1168 | 600 | 0.363 |
| Iron | 06/02/98 | 7295 | NLE | 1.210 |
| Lead | 06/02/98 | 4549 | 100 | 0.242 |
| Magnesium | 06/02/98 | 783.4 | NLE | 2.420 |
| Manganese | 06/02/98 | 2581 | NLE | 0.060 |
| Mercury | 06/02/98 | 4.465 | 14 | 0.120 |
| Nickel | 06/02/98 | 6.487 | 250 | 0.060 |
| Potassium | 06/02/98 | 1426 | NLE | 2.420 |
| Selenium | 06/02/98 | 0.504 | 63 | 0.363 |
| Silver | 06/02/98 | 37.830 | 110 | 0.363 |
| Sodium | 06/02/98 | 235.1 | NLE | 2.420 |
| Thallium | 06/02/98 | ND | 2 | 0.363 |
| Vanadium | 06/02/98 | 16.76 | 370 | 0.121 |
| Zinc | 06/02/98 | 9772 | 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 #: 3665.12
Sample Received: 06/18/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-158, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 07/01/98 | 2715 | NLE | 0.960 |
| Antimony | 07/01/98 | 0.349 | 14 | 0.192 |
| Arsenic | 07/01/98 | 1.328 | 20 | 0.192 |
| Barium | 07/01/98 | 15.24 | 700 | 0.048 |
| Beryllium | 07/01/98 | 0.4010 | 1 | 0.048 |
| Cadmium | 07/01/98 | 0.1991 | 1 | 0.048 |
| Calcium | 07/01/98 | 230.8 | NLE | 1.919 |
| Chromium | 07/01/98 | 20.65 | NLE | 0.048 |
| Cobalt | 07/01/98 | 0.3999 | NLE | 0.048 |
| Copper | 07/01/98 | 1.010 | 600 | 0.288 |
| Iron | 07/01/98 | 7173 | NLE | 0.960 |
| Lead | 07/01/98 | 3.345 | 100 | 0.192 |
| Magnesium | 07/01/98 | 712.5 | NLE | 1.919 |
| Manganese | 07/01/98 | 20.15 | NLE | 0.048 |
| Mercury | 07/06/98 | ND | 14 | 0.022 |
| Nickel | 07/01/98 | 1.697 | 250 | 0.048 |
| Potassium | 07/01/98 | 1740 | NLE | 1.919 |
| Selenium | 07/01/98 | ND | 63 | 0.288 |
| Silver | 07/01/98 | ND | 110 | 0.288 |
| Sodium | 07/01/98 | 61.53 | NLE | 1.919 |
| Thallium | 07/01/98 | ND | 2 | 0.288 |
| Vanadium | 07/01/98 | 11.98 | 370 | 0.096 |
| Zinc | 07/01/98 | 15.95 | 1500 | 0.096 |

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 #: 3665.16
Sample Received: 06/18/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-159, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 07/01/98 | 6285 | NLE | 1.230 |
| Antimony | 07/01/98 | 0.487 | 14 | 0.246 |
| Arsenic | 07/01/98 | 8.398 | 20 | 0.246 |
| Barium | 07/01/98 | 16.27 | 700 | 0.062 |
| Beryllium | 07/01/98 | 0.5945 | 1 | 0.062 |
| Cadmium | 07/01/98 | ND | 1 | 0.062 |
| Calcium | 07/01/98 | 705.6 | NLE | 2.460 |
| Chromium | 07/01/98 | 48.92 | NLE | 0.062 |
| Cobalt | 07/01/98 | 2.458 | NLE | 0.062 |
| Copper | 07/01/98 | 7.446 | 600 | 0.369 |
| Iron | 07/01/98 | 25200 | NLE | 1.230 |
| Lead | 07/01/98 | 22.86 | 100 | 0.246 |
| Magnesium | 07/01/98 | 914.9 | NLE | 2.460 |
| Manganese | 07/01/98 | 50.78 | NLE | 0.062 |
| Mercury | 07/06/98 | ND | 14 | 0.025 |
| Nickel | 07/01/98 | 6.746 | 250 | 0.062 |
| Potassium | 07/01/98 | 1640 | NLE | 2.460 |
| Selenium | 07/01/98 | ND | 63 | 0.369 |
| Silver | 07/01/98 | ND | 110 | 0.369 |
| Sodium | 07/01/98 | 62.96 | NLE | 2.460 |
| Thallium | 07/01/98 | ND | 2 | 0.369 |
| Vanadium | 07/01/98 | 58.35 | 370 | 0.123 |
| Zinc | 07/01/98 | 39.62 | 1500 | 0.123 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3665.22
Sample Received: 06/18/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-161, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 07/01/98 | 5319 | NLE | 1.056 |
| Antimony | 07/01/98 | 0.579 | 14 | 0.211 |
| Arsenic | 07/01/98 | 4.368 | 20 | 0.211 |
| Barium | 07/01/98 | 11.72 | 700 | 0.053 |
| Beryllium | 07/01/98 | 0.4884 | 1 | 0.053 |
| Cadmium | 07/01/98 | ND | 1 | 0.053 |
| Calcium | 07/01/98 | 395.0 | NLE | 2.112 |
| Chromium | 07/01/98 | 41.48 | NLE | 0.053 |
| Cobalt | 07/01/98 | 1.602 | NLE | 0.053 |
| Copper | 07/01/98 | 1.858 | 600 | 0.317 |
| Iron | 07/01/98 | 13430 | NLE | 1.056 |
| Lead | 07/01/98 | 4.473 | 100 | 0.211 |
| Magnesium | 07/01/98 | 1036 | NLE | 2.112 |
| Manganese | 07/01/98 | 34.64 | NLE | 0.053 |
| Mercury | 07/06/98 | ND | 14 | 0.021 |
| Nickel | 07/01/98 | 2.982 | 250 | 0.053 |
| Potassium | 07/01/98 | 2860 | NLE | 2.112 |
| Selenium | 07/01/98 | ND | 63 | 0.317 |
| Silver | 07/01/98 | ND | 110 | 0.317 |
| Sodium | 07/01/98 | ND | NLE | 2.112 |
| Thallium | 07/01/98 | ND | 2 | 0.317 |
| Vanadium | 07/01/98 | 30.25 | 370 | 0.106 |
| Zinc | 07/01/98 | 17.60 | 1500 | 0.106 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3686.04
Sample Received: 06/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-162, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 07/01/98 | 2685 | NLE | 1.434 |
| Antimony | 07/01/98 | 0.337 | 14 | 0.287 |
| Arsenic | 07/01/98 | 5.292 | 20 | 0.287 |
| Barium | 07/01/98 | 35.73 | 700 | 0.072 |
| Beryllium | 07/01/98 | 0.2658 | 1 | 0.072 |
| Cadmium | 07/01/98 | 0.4376 | 1 | 0.072 |
| Calcium | 07/01/98 | 1154 | NLE | 2.867 |
| Chromium | 07/01/98 | 13.87 | NLE | 0.072 |
| Cobalt | 07/01/98 | 2.082 | NLE | 0.072 |
| Copper | 07/01/98 | 23.12 | 600 | 0.430 |
| Iron | 07/01/98 | 5905 | NLE | 1.434 |
| Lead | 07/01/98 | 46.83 | 100 | 0.287 |
| Magnesium | 07/01/98 | 494.8 | NLE | 2.867 |
| Manganese | 07/01/98 | 24.99 | NLE | 0.072 |
| Mercury | 07/06/98 | 0.031 | 14 | 0.027 |
| Nickel | 07/01/98 | 5.629 | 250 | 0.072 |
| Potassium | 07/01/98 | 716.6 | NLE | 2.867 |
| Selenium | 07/01/98 | ND | 63 | 0.430 |
| Silver | 07/01/98 | ND | 110 | 0.430 |
| Sodium | 07/01/98 | 134.2 | NLE | 2.867 |
| Thallium | 07/01/98 | ND | 2 | 0.430 |
| Vanadium | 07/01/98 | 17.05 | 370 | 0.143 |
| Zinc | 07/01/98 | 29.63 | 1500 | 0.143 |

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 #: 3686.07
Sample Received: 06/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-163, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 07/01/98 | 7000 | NLE | 1.295 |
| Antimony | 07/01/98 | 4.693 | 14 | 0.259 |
| Arsenic | 07/01/98 | 67.77 | 20 | 0.259 |
| Barium | 07/01/98 | 180.7 | 700 | 0.065 |
| Beryllium | 07/01/98 | 0.5620 | 1 | 0.065 |
| Cadmium | 07/01/98 | ND | 1 | 0.065 |
| Calcium | 07/01/98 | 9589 | NLE | 2.590 |
| Chromium | 07/01/98 | 65.41 | NLE | 0.065 |
| Cobalt | 07/01/98 | 14.15 | NLE | 0.065 |
| Copper | 07/01/98 | 433.0 | 600 | 0.389 |
| Iron | 07/01/98 | 131900 | NLE | 1.295 |
| Lead | 07/01/98 | 98.63 | 100 | 0.259 |
| Magnesium | 07/01/98 | 1008 | NLE | 2.590 |
| Manganese | 07/01/98 | 623.9 | NLE | 0.065 |
| Mercury | 07/06/98 | 0.067 | 14 | 0.026 |
| Nickel | 07/01/98 | 67.18 | 250 | 0.065 |
| Potassium | 07/01/98 | 1579 | NLE | 2.590 |
| Selenium | 07/01/98 | ND | 63 | 0.389 |
| Silver | 07/01/98 | ND | 110 | 0.389 |
| Sodium | 07/01/98 | 953.4 | NLE | 2.590 |
| Thallium | 07/01/98 | ND | 2 | 0.389 |
| Vanadium | 07/01/98 | 15.28 | 370 | 0.130 |
| Zinc | 07/01/98 | 457.1 | 1500 | 0.130 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

002089

# 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 #: 3686.10
Sample Received: 06/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-164, 6-12''

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 07/01/98 | 1807 | NLE | 1.111 |
| Antimony | 07/01/98 | 0.310 | 14 | 0.222 |
| Arsenic | 07/01/98 | 0.977 | 20 | 0.222 |
| Barium | 07/01/98 | 8.533 | 700 | 0.056 |
| Beryllium | 07/01/98 | 0.3014 | 1 | 0.056 |
| Cadmium | 07/01/98 | 0.4001 | 1 | 0.056 |
| Calcium | 07/01/98 | 211.4 | NLE | 2.222 |
| Chromium | 07/01/98 | 14.53 | NLE | 0.056 |
| Cobalt | 07/01/98 | 0.2978 | NLE | 0.056 |
| Copper | 07/01/98 | 1.341 | 600 | 0.333 |
| Iron | 07/01/98 | 5494 | NLE | 1.111 |
| Lead | 07/01/98 | 2.754 | 100 | 0.222 |
| Magnesium | 07/01/98 | 363.8 | NLE | 2.222 |
| Manganese | 07/01/98 | 17.74 | NLE | 0.056 |
| Mercury | 07/06/98 | ND | 14 | 0.022 |
| Nickel | 07/01/98 | 1.400 | 250 | 0.056 |
| Potassium | 07/01/98 | 587.3 | NLE | 2.222 |
| Selenium | 07/01/98 | ND | 63 | 0.333 |
| Silver | 07/01/98 | ND | 110 | 0.333 |
| Sodium | 07/01/98 | 4.653 | NLE | 2.222 |
| Thallium | 07/01/98 | ND | 2 | 0.333 |
| Vanadium | 07/01/98 | 10.23 | 370 | 0.111 |
| Zinc | 07/01/98 | 13.81 | 1500 | 0.111 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3688.02
Sample Received: 06/29/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-165, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 07/01/98 | 5053 | NLE | 1.130 |
| Antimony | 07/01/98 | 0.822 | 14 | 0.226 |
| Arsenic | 07/01/98 | 6.525 | 20 | 0.226 |
| Barium | 07/01/98 | 15.48 | 700 | 0.057 |
| Beryllium | 07/01/98 | 0.4805 | 1 | 0.057 |
| Cadmium | 07/01/98 | 0.2383 | 1 | 0.057 |
| Calcium | 07/01/98 | 665.0 | NLE | 2.260 |
| Chromium | 07/01/98 | 55.07 | NLE | 0.057 |
| Cobalt | 07/01/98 | 0.9522 | NLE | 0.057 |
| Copper | 07/01/98 | 12.07 | 600 | 0.339 |
| Iron | 07/01/98 | 18160 | NLE | 1.130 |
| Lead | 07/01/98 | 42.83 | 100 | 0.226 |
| Magnesium | 07/01/98 | 983.2 | NLE | 2.260 |
| Manganese | 07/01/98 | 30.92 | NLE | 0.057 |
| Mercury | 07/06/98 | 0.051 | 14 | 0.023 |
| Nickel | 07/01/98 | 3.563 | 250 | 0.057 |
| Potassium | 07/01/98 | 2960 | NLE | 2.260 |
| Selenium | 07/01/98 | ND | 63 | 0.339 |
| Silver | 07/01/98 | ND | 110 | 0.339 |
| Sodium | 07/01/98 | 46.52 | NLE | 2.260 |
| Thallium | 07/01/98 | ND | 2 | 0.339 |
| Vanadium | 07/01/98 | 43.13 | 370 | 0.113 |
| Zinc | 07/01/98 | 37.72 | 1500 | 0.113 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3688.06
Sample Received: 06/29/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-166, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 07/01/98 | 9267 | NLE | 1.217 |
| Antimony | 07/01/98 | 1.298 | 14 | 0.243 |
| Arsenic | 07/01/98 | 17.45 | 20 | 0.243 |
| Barium | 07/01/98 | 14.34 | 700 | 0.061 |
| Beryllium | 07/01/98 | 0.5758 | 1 | 0.061 |
| Cadmium | 07/01/98 | ND | 1 | 0.061 |
| Calcium | 07/01/98 | 441.5 | NLE | 2.434 |
| Chromium | 07/01/98 | 72.90 | NLE | 0.061 |
| Cobalt | 07/01/98 | 0.8807 | NLE | 0.061 |
| Copper | 07/01/98 | 7.172 | 600 | 0.365 |
| Iron | 07/01/98 | 30120 | NLE | 1.217 |
| Lead | 07/01/98 | 14.31 | 100 | 0.243 |
| Magnesium | 07/01/98 | 902.7 | NLE | 2.434 |
| Manganese | 07/01/98 | 12.46 | NLE | 0.061 |
| Mercury | 07/06/98 | 0.064 | 14 | 0.025 |
| Nickel | 07/01/98 | 4.461 | 250 | 0.061 |
| Potassium | 07/01/98 | 2850 | NLE | 2.434 |
| Selenium | 07/01/98 | 0.371 | 63 | 0.365 |
| Silver | 07/01/98 | ND | 110 | 0.365 |
| Sodium | 07/01/98 | 7.854 | NLE | 2.434 |
| Thallium | 07/01/98 | ND | 2 | 0.365 |
| Vanadium | 07/01/98 | 62.26 | 370 | 0.122 |
| Zinc | 07/01/98 | 32.28 | 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 #: 3688.09
Sample Received: 06/29/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-167, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 07/01/98 | 6171 | NLE | 1.109 |
| Antimony | 07/01/98 | 0.638 | 14 | 0.222 |
| Arsenic | 07/01/98 | 9.463 | 20 | 0.222 |
| Barium | 07/01/98 | 54.63 | 700 | 0.055 |
| Beryllium | 07/01/98 | 0.5529 | 1 | 0.055 |
| Cadmium | 07/01/98 | 0.3187 | 1 | 0.055 |
| Calcium | 07/01/98 | 1435 | NLE | 2.219 |
| Chromium | 07/01/98 | 47.49 | NLE | 0.055 |
| Cobalt | 07/01/98 | 2.798 | NLE | 0.055 |
| Copper | 07/01/98 | 38.89 | 600 | 0.333 |
| Iron | 07/01/98 | 21260 | NLE | 1.109 |
| Lead | 07/01/98 | 94.14 | 100 | 0.222 |
| Magnesium | 07/01/98 | 1306 | NLE | 2.219 |
| Manganese | 07/01/98 | 59.92 | NLE | 0.055 |
| Mercury | 07/06/98 | 0.101 | 14 | 0.022 |
| Nickel | 07/01/98 | 8.902 | 250 | 0.055 |
| Potassium | 07/01/98 | 3105 | NLE | 2.219 |
| Selenium | 07/01/98 | 0.342 | 63 | 0.333 |
| Silver | 07/01/98 | ND | 110 | 0.333 |
| Sodium | 07/01/98 | 690.0 | NLE | 2.219 |
| Thallium | 07/01/98 | ND | 2 | 0.333 |
| Vanadium | 07/01/98 | 41.98 | 370 | 0.111 |
| Zinc | 07/01/98 | 61.39 | 1500 | 0.111 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3688.12
Sample Received: 06/29/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-168, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 07/01/98 | 3375 | NLE | 1.307 |
| Antimony | 07/01/98 | ND | 14 | 0.261 |
| Arsenic | 07/01/98 | 4.215 | 20 | 0.261 |
| Barium | 07/01/98 | 31.47 | 700 | 0.065 |
| Beryllium | 07/01/98 | 0.3019 | 1 | 0.065 |
| Cadmium | 07/01/98 | 0.3736 | 1 | 0.065 |
| Calcium | 07/01/98 | 1273 | NLE | 2.615 |
| Chromium | 07/01/98 | 10.58 | NLE | 0.065 |
| Cobalt | 07/01/98 | 4.252 | NLE | 0.065 |
| Copper | 07/01/98 | 20.07 | 600 | 0.392 |
| Iron | 07/01/98 | 4301 | NLE | 1.307 |
| Lead | 07/01/98 | 20.43 | 100 | 0.261 |
| Magnesium | 07/01/98 | 468.3 | NLE | 2.615 |
| Manganese | 07/01/98 | 34.87 | NLE | 0.065 |
| Mercury | 07/06/98 | 0.025 | 14 | 0.022 |
| Nickel | 07/01/98 | 11.23 | 250 | 0.065 |
| Potassium | 07/01/98 | 598.3 | NLE | 2.615 |
| Selenium | 07/01/98 | ND | 63 | 0.392 |
| Silver | 07/01/98 | ND | 110 | 0.392 |
| Sodium | 07/01/98 | 226.4 | NLE | 2.615 |
| Thallium | 07/01/98 | ND | 2 | 0.392 |
| Vanadium | 07/01/98 | 14.73 | 370 | 0.131 |
| Zinc | 07/01/98 | 28.85 | 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 #: 3688.15
Sample Received: 06/29/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-169, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 07/01/98 | 1764 | NLE | 1.328 |
| Antimony | 07/01/98 | 0.368 | 14 | 0.266 |
| Arsenic | 07/01/98 | 3.946 | 20 | 0.266 |
| Barium | 07/01/98 | 45.13 | 700 | 0.066 |
| Beryllium | 07/01/98 | 0.1749 | 1 | 0.066 |
| Cadmium | 07/01/98 | 0.3013 | 1 | 0.066 |
| Calcium | 07/01/98 | 624.1 | NLE | 2.657 |
| Chromium | 07/01/98 | 3.820 | NLE | 0.066 |
| Cobalt | 07/01/98 | 1.702 | NLE | 0.066 |
| Copper | 07/01/98 | 14.28 | 600 | 0.399 |
| Iron | 07/01/98 | 2469 | NLE | 1.328 |
| Lead | 07/01/98 | 18.74 | 100 | 0.266 |
| Magnesium | 07/01/98 | 159.2 | NLE | 2.657 |
| Manganese | 07/01/98 | 17.16 | NLE | 0.066 |
| Mercury | 07/06/98 | ND | 14 | 0.026 |
| Nickel | 07/01/98 | 4.544 | 250 | 0.066 |
| Potassium | 07/01/98 | 193.8 | NLE | 2.657 |
| Selenium | 07/01/98 | ND | 63 | 0.399 |
| Silver | 07/01/98 | ND | 110 | 0.399 |
| Sodium | 07/01/98 | 147.4 | NLE | 2.657 |
| Thallium | 07/01/98 | ND | 2 | 0.399 |
| Vanadium | 07/01/98 | 9.161 | 370 | 0.133 |
| Zinc | 07/01/98 | 11.74 | 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 #: 3722.12
Sample Received:07/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-178, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/12/98 | 5330 | NLE | 83.640 |
| Antimony | 08/12/98 | 0.540 | 14 | 16.728 |
| Arsenic | 08/12/98 | 6.39 | 20 | 16.728 |
| Barium | 08/12/98 | 21.4 | 700 | 4.182 |
| Beryllium | 08/12/98 | 0.728 | 1 | 4.182 |
| Cadmium | 08/12/98 | ND | 1 | 4.182 |
| Calcium | 08/12/98 | 851 | NLE | 167.280 |
| Chromium | 08/12/98 | 58.8 | NLE | 4.182 |
| Cobalt | 08/12/98 | 1.22 | NLE | 4.182 |
| Copper | 08/12/98 | 4.95 | 600 | 25.092 |
| Iron | 08/12/98 | 19400 | NLE | 83.640 |
| Lead | 08/12/98 | 7.58 | 100 | 16.728 |
| Magnesium | 08/12/98 | 1620 | NLE | 167.280 |
| Manganese | 08/12/98 | 38.7 | NLE | 4.182 |
| Mercury | 07/29/98 | 1.680 | 14 | 1.344 |
| Nickel | 08/12/98 | 3.57 | 250 | 4.182 |
| Potassium | 08/12/98 | 3980 | NLE | 167.280 |
| Selenium | 08/12/98 | ND | 63 | 25.092 |
| Silver | 08/12/98 | ND | 110 | 25.092 |
| Sodium | 08/12/98 | 84.8 | NLE | 167.280 |
| Thallium | 08/12/98 | ND | 2 | 25.092 |
| Vanadium | 08/12/98 | 18.3 | 370 | 8.364 |
| Zinc | 08/12/98 | 48.4 | 1500 | 8.364 |

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 #: 3722.15
Sample Received:07/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-179, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/12/98 | 1710 | NLE | 1.143 |
| Antimony | 08/12/98 | 0.391 | 14 | 0.229 |
| Arsenic | 08/12/98 | 1.55 | 20 | 0.229 |
| Barium | 08/12/98 | 5.27 | 700 | 0.057 |
| Beryllium | 08/12/98 | 0.255 | 1 | 0.057 |
| Cadmium | 08/12/98 | ND | 1 | 0.057 |
| Calcium | 08/12/98 | 127 | NLE | 2.286 |
| Chromium | 08/12/98 | 19.6 | NLE | 0.057 |
| Cobalt | 08/12/98 | 0.247 | NLE | 0.057 |
| Copper | 08/12/98 | 1.00 | 600 | 0.343 |
| Iron | 08/12/98 | 7740 | NLE | 1.143 |
| Lead | 08/12/98 | 7.32 | 100 | 0.229 |
| Magnesium | 08/12/98 | 436 | NLE | 2.286 |
| Manganese | 08/12/98 | 4.30 | NLE | 0.057 |
| Mercury | 07/29/98 | 0.013 | 14 | 0.017 |
| Nickel | 08/12/98 | 1.14 | 250 | 0.057 |
| Potassium | 08/12/98 | 774 | NLE | 2.286 |
| Selenium | 08/12/98 | ND | 63 | 0.343 |
| Silver | 08/12/98 | ND | 110 | 0.343 |
| Sodium | 08/12/98 | 42.6 | NLE | 2.286 |
| Thallium | 08/12/98 | ND | 2 | 0.343 |
| Vanadium | 08/12/98 | 17.0 | 370 | 0.114 |
| Zinc | 08/12/98 | 10.5 | 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 #: 3722.18
Sample Received:07/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-180, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/12/98 | 10000 | NLE | 1.001 |
| Antimony | 08/12/98 | 0.537 | 14 | 0.200 |
| Arsenic | 08/12/98 | 9.99 | 20 | 0.200 |
| Barium | 08/12/98 | 42.8 | 700 | 0.050 |
| Beryllium | 08/12/98 | 1.35 | 1 | 0.050 |
| Cadmium | 08/12/98 | ND | 1 | 0.050 |
| Calcium | 08/12/98 | 1240 | NLE | 2.003 |
| Chromium | 08/12/98 | 110 | NLE | 0.050 |
| Cobalt | 08/12/98 | 1.97 | NLE | 0.050 |
| Copper | 08/12/98 | 7.44 | 600 | 0.300 |
| Iron | 08/12/98 | 35100 | NLE | 1.001 |
| Lead | 08/12/98 | 14.6 | 100 | 0.200 |
| Magnesium | 08/12/98 | 4220 | NLE | 2.003 |
| Manganese | 08/12/98 | 45.3 | NLE | 0.050 |
| Mercury | 07/29/98 | 0.042 | 14 | 0.021 |
| Nickel | 08/12/98 | 5.91 | 250 | 0.050 |
| Potassium | 08/12/98 | 9010 | NLE | 2.003 |
| Selenium | 08/12/98 | ND | 63 | 0.300 |
| Silver | 08/12/98 | ND | 110 | 0.300 |
| Sodium | 08/12/98 | 109 | NLE | 2.003 |
| Thallium | 08/12/98 | ND | 2 | 0.300 |
| Vanadium | 08/12/98 | 40.3 | 370 | 0.100 |
| Zinc | 08/12/98 | 51.5 | 1500 | 0.100 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3722.21
Sample Received:07/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-181, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/12/98 | 12500 | NLE | 1.248 |
| Antimony | 08/12/98 | 1.16 | 14 | 0.250 |
| Arsenic | 08/12/98 | 11.6 | 20 | 0.250 |
| Barium | 08/12/98 | 14.2 | 700 | 0.062 |
| Beryllium | 08/12/98 | 1.80 | 1 | 0.062 |
| Cadmium | 08/12/98 | ND | 1 | 0.062 |
| Calcium | 08/12/98 | 86.4 | NLE | 2.495 |
| Chromium | 08/12/98 | 139 | NLE | 0.062 |
| Cobalt | 08/12/98 | 1.10 | NLE | 0.062 |
| Copper | 08/12/98 | ND | 600 | 0.374 |
| Iron | 08/12/98 | 48800 | NLE | 1.248 |
| Lead | 08/12/98 | 6.18 | 100 | 0.250 |
| Magnesium | 08/12/98 | 1660 | NLE | 2.495 |
| Manganese | 08/12/98 | 17.6 | NLE | 0.062 |
| Mercury | 07/29/98 | 0.028 | 14 | 0.023 |
| Nickel | 08/12/98 | 6.24 | 250 | 0.062 |
| Potassium | 08/12/98 | 3210 | NLE | 2.495 |
| Selenium | 08/12/98 | ND | 63 | 0.374 |
| Silver | 08/12/98 | ND | 110 | 0.374 |
| Sodium | 08/12/98 | 56.6 | NLE | 2.495 |
| Thallium | 08/12/98 | ND | 2 | 0.374 |
| Vanadium | 08/12/98 | 92.1 | 370 | 0.125 |
| Zinc | 08/12/98 | 44.9 | 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 #: 3805.02
Sample Received:08/12/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-197, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 5970 | NLE | 1.159 |
| Antimony | 08/31/98 | 0.253 | 14 | 0.232 |
| Arsenic | 08/31/98 | 4.98 | 20 | 0.232 |
| Barium | 08/31/98 | 47.1 | 700 | 0.058 |
| Beryllium | 08/31/98 | 0.530 | 1 | 0.058 |
| Cadmium | 08/31/98 | ND | 1 | 0.058 |
| Calcium | 08/31/98 | 1720 | NLE | 2.318 |
| Chromium | 08/31/98 | 17.1 | NLE | 0.058 |
| Cobalt | 08/31/98 | 5.69 | NLE | 0.058 |
| Copper | 08/31/98 | 37.8 | 600 | 0.348 |
| Iron | 08/31/98 | 7220 | NLE | 1.159 |
| Lead | 08/31/98 | 40.0 | 100 | 0.232 |
| Magnesium | 08/31/98 | 791 | NLE | 2.318 |
| Manganese | 08/31/98 | 47.8 | NLE | 0.058 |
| Mercury | 08/20/98 | 0.063 | 14 | 0.028 |
| Nickel | 08/31/98 | 14.9 | 250 | 0.058 |
| Potassium | 08/31/98 | 1300 | NLE | 2.318 |
| Selenium | 08/31/98 | ND | 63 | 0.348 |
| Silver | 08/31/98 | ND | 110 | 0.348 |
| Sodium | 08/31/98 | 290 | NLE | 2.318 |
| Thallium | 08/31/98 | ND | 2 | 0.348 |
| Vanadium | 08/31/98 | 23.2 | 370 | 0.116 |
| Zinc | 08/31/98 | 31.9 | 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 #: 3805.04
Sample Received:08/12/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-198, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 4720 | NLE | 1.011 |
| Antimony | 08/31/98 | 1.48 | 14 | 0.202 |
| Arsenic | 08/31/98 | 59.1 | 20 | 0.202 |
| Barium | 08/31/98 | 68.6 | 700 | 0.051 |
| Beryllium | 08/31/98 | 0.548 | 1 | 0.051 |
| Cadmium | 08/31/98 | ND | 1 | 0.051 |
| Calcium | 08/31/98 | 918 | NLE | 2.022 |
| Chromium | 08/31/98 | 19.5 | NLE | 0.051 |
| Cobalt | 08/31/98 | 11.4 | NLE | 0.051 |
| Copper | 08/31/98 | 92.6 | 600 | 0.303 |
| Iron | 08/31/98 | 38400 | NLE | 1.011 |
| Lead | 08/31/98 | 119 | 100 | 0.202 |
| Magnesium | 08/31/98 | 491 | NLE | 2.022 |
| Manganese | 08/31/98 | 121 | NLE | 0.051 |
| Mercury | 08/20/98 | 0.029 | 14 | 0.026 |
| Nickel | 08/31/98 | 18.2 | 250 | 0.051 |
| Potassium | 08/31/98 | 1330 | NLE | 2.022 |
| Selenium | 08/31/98 | ND | 63 | 0.303 |
| Silver | 08/31/98 | ND | 110 | 0.303 |
| Sodium | 08/31/98 | 393 | NLE | 2.022 |
| Thallium | 08/31/98 | ND | 2 | 0.303 |
| Vanadium | 08/31/98 | 17.5 | 370 | 0.101 |
| Zinc | 08/31/98 | 114 | 1500 | 0.101 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3805.06
Sample Received:08/12/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-199, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 9820 | NLE | 1.148 |
| Antimony | 08/31/98 | 6.56 | 14 | 0.230 |
| Arsenic | 08/31/98 | 11.5 | 20 | 0.230 |
| Barium | 08/31/98 | 363 | 700 | 0.057 |
| Beryllium | 08/31/98 | 0.900 | 1 | 0.057 |
| Cadmium | 08/31/98 | ND | 1 | 0.057 |
| Calcium | 08/31/98 | 537 | NLE | 2.297 |
| Chromium | 08/31/98 | 77.4 | NLE | 0.057 |
| Cobalt | 08/31/98 | 5.14 | NLE | 0.057 |
| Copper | 08/31/98 | 122 | 600 | 0.345 |
| Iron | 08/31/98 | 33400 | NLE | 1.148 |
| Lead | 08/31/98 | 494 | 100 | 0.230 |
| Magnesium | 08/31/98 | 1700 | NLE | 2.297 |
| Manganese | 08/31/98 | 143 | NLE | 0.057 |
| Mercury | 08/20/98 | 0.153 | 14 | 0.019 |
| Nickel | 08/31/98 | 23.6 | 250 | 0.057 |
| Potassium | 08/31/98 | 4160 | NLE | 2.297 |
| Selenium | 08/31/98 | ND | 63 | 0.345 |
| Silver | 08/31/98 | ND | 110 | 0.345 |
| Sodium | 08/31/98 | 535 | NLE | 2.297 |
| Thallium | 08/31/98 | ND | 2 | 0.345 |
| Vanadium | 08/31/98 | 43.5 | 370 | 0.115 |
| Zinc | 08/31/98 | 116 | 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 #: 3805.08
Sample Received:08/12/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-200, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 10500 | NLE | 1.090 |
| Antimony | 08/31/98 | 0.350 | 14 | 0.218 |
| Arsenic | 08/31/98 | 8.59 | 20 | 0.218 |
| Barium | 08/31/98 | 147 | 700 | 0.054 |
| Beryllium | 08/31/98 | 0.743 | 1 | 0.054 |
| Cadmium | 08/31/98 | 0.543 | 1 | 0.054 |
| Calcium | 08/31/98 | 1390 | NLE | 2.179 |
| Chromium | 08/31/98 | 25.8 | NLE | 0.054 |
| Cobalt | 08/31/98 | 7.57 | NLE | 0.054 |
| Copper | 08/31/98 | 38.6 | 600 | 0.327 |
| Iron | 08/31/98 | 15300 | NLE | 1.090 |
| Lead | 08/31/98 | 37.6 | 100 | 0.218 |
| Magnesium | 08/31/98 | 900 | NLE | 2.179 |
| Manganese | 08/31/98 | 126 | NLE | 0.054 |
| Mercury | 08/20/98 | 0.044 | 14 | 0.023 |
| Nickel | 08/31/98 | 19.6 | 250 | 0.054 |
| Potassium | 08/31/98 | 3580 | NLE | 2.179 |
| Selenium | 08/31/98 | ND | 63 | 0.327 |
| Silver | 08/31/98 | ND | 110 | 0.327 |
| Sodium | 08/31/98 | 485 | NLE | 2.179 |
| Thallium | 08/31/98 | ND | 2 | 0.327 |
| Vanadium | 08/31/98 | 30.9 | 370 | 0.109 |
| Zinc | 08/31/98 | 80.2 | 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 #: 3805.10
Sample Received:08/12/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-201, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 5920 | NLE | 1.287 |
| Antimony | 08/31/98 | 0.617 | 14 | 0.257 |
| Arsenic | 08/31/98 | 5.50 | 20 | 0.257 |
| Barium | 08/31/98 | 84.6 | 700 | 0.064 |
| Beryllium | 08/31/98 | 0.920 | 1 | 0.064 |
| Cadmium | 08/31/98 | 0.929 | 1 | 0.064 |
| Calcium | 08/31/98 | 1500 | NLE | 2.573 |
| Chromium | 08/31/98 | 37.8 | NLE | 0.064 |
| Cobalt | 08/31/98 | 5.81 | NLE | 0.064 |
| Copper | 08/31/98 | 47.3 | 600 | 0.386 |
| Iron | 08/31/98 | 12600 | NLE | 1.287 |
| Lead | 08/31/98 | 62.8 | 100 | 0.257 |
| Magnesium | 08/31/98 | 1430 | NLE | 2.573 |
| Manganese | 08/31/98 | 332 | NLE | 0.064 |
| Mercury | 08/20/98 | 0.391 | 14 | 0.027 |
| Nickel | 08/31/98 | 10.5 | 250 | 0.064 |
| Potassium | 08/31/98 | 3670 | NLE | 2.573 |
| Selenium | 08/31/98 | ND | 63 | 0.386 |
| Silver | 08/31/98 | ND | 110 | 0.386 |
| Sodium | 08/31/98 | 526 | NLE | 2.573 |
| Thallium | 08/31/98 | ND | 2 | 0.386 |
| Vanadium | 08/31/98 | 25.3 | 370 | 0.129 |
| Zinc | 08/31/98 | 514 | 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 #: 3805.12
Sample Received:08/12/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-202, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 5990 | NLE | 1.172 |
| Antimony | 08/31/98 | 0.751 | 14 | 0.234 |
| Arsenic | 08/31/98 | 7.11 | 20 | 0.234 |
| Barium | 08/31/98 | 113 | 700 | 0.059 |
| Beryllium | 08/31/98 | 0.580 | 1 | 0.059 |
| Cadmium | 08/31/98 | ND | 1 | 0.059 |
| Calcium | 08/31/98 | 455 | NLE | 2.343 |
| Chromium | 08/31/98 | 49.8 | NLE | 0.059 |
| Cobalt | 08/31/98 | 1.98 | NLE | 0.059 |
| Copper | 08/31/98 | 77.4 | 600 | 0.352 |
| Iron | 08/31/98 | 23300 | NLE | 1.172 |
| Lead | 08/31/98 | 268 | 100 | 0.234 |
| Magnesium | 08/31/98 | 1680 | NLE | 2.343 |
| Manganese | 08/31/98 | 39.1 | NLE | 0.059 |
| Mercury | 08/20/98 | 0.115 | 14 | 0.022 |
| Nickel | 08/31/98 | 5.95 | 250 | 0.059 |
| Potassium | 08/31/98 | 3720 | NLE | 2.343 |
| Selenium | 08/31/98 | ND | 63 | 0.352 |
| Silver | 08/31/98 | ND | 110 | 0.352 |
| Sodium | 08/31/98 | 566 | NLE | 2.343 |
| Thallium | 08/31/98 | 0.498 | 2 | 0.352 |
| Vanadium | 08/31/98 | 31.2 | 370 | 0.117 |
| Zinc | 08/31/98 | 38.1 | 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 #: 3805.14
Sample Received:08/12/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-203, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 6500 | NLE | 1.172 |
| Antimony | 08/31/98 | 0.359 | 14 | 0.234 |
| Arsenic | 08/31/98 | 6.34 | 20 | 0.234 |
| Barium | 08/31/98 | 25.5 | 700 | 0.059 |
| Beryllium | 08/31/98 | 0.428 | 1 | 0.059 |
| Cadmium | 08/31/98 | ND | 1 | 0.059 |
| Calcium | 08/31/98 | 2470 | NLE | 2.345 |
| Chromium | 08/31/98 | 36.0 | NLE | 0.059 |
| Cobalt | 08/31/98 | 4.27 | NLE | 0.059 |
| Copper | 08/31/98 | 36.4 | 600 | 0.352 |
| Iron | 08/31/98 | 14600 | NLE | 1.172 |
| Lead | 08/31/98 | 23.8 | 100 | 0.234 |
| Magnesium | 08/31/98 | 2450 | NLE | 2.345 |
| Manganese | 08/31/98 | 83.9 | NLE | 0.059 |
| Mercury | 08/20/98 | 0.602 | 14 | 0.021 |
| Nickel | 08/31/98 | 11.0 | 250 | 0.059 |
| Potassium | 08/31/98 | 3560 | NLE | 2.345 |
| Selenium | 08/31/98 | ND | 63 | 0.352 |
| Silver | 08/31/98 | ND | 110 | 0.352 |
| Sodium | 08/31/98 | 411 | NLE | 2.345 |
| Thallium | 08/31/98 | ND | 2 | 0.352 |
| Vanadium | 08/31/98 | 36.7 | 370 | 0.117 |
| Zinc | 08/31/98 | 39.2 | 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 #: 3805.16
Sample Received:08/12/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-204, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 3940 | NLE | 1.248 |
| Antimony | 08/31/98 | ND | 14 | 0.250 |
| Arsenic | 08/31/98 | 5.27 | 20 | 0.250 |
| Barium | 08/31/98 | 35.5 | 700 | 0.062 |
| Beryllium | 08/31/98 | 0.389 | 1 | 0.062 |
| Cadmium | 08/31/98 | ND | 1 | 0.062 |
| Calcium | 08/31/98 | 1100 | NLE | 2.497 |
| Chromium | 08/31/98 | 19.8 | NLE | 0.062 |
| Cobalt | 08/31/98 | 4.61 | NLE | 0.062 |
| Copper | 08/31/98 | 35.0 | 600 | 0.375 |
| Iron | 08/31/98 | 8620 | NLE | 1.248 |
| Lead | 08/31/98 | 35.0 | 100 | 0.250 |
| Magnesium | 08/31/98 | 630 | NLE | 2.497 |
| Manganese | 08/31/98 | 61.8 | NLE | 0.062 |
| Mercury | 08/20/98 | 0.064 | 14 | 0.019 |
| Nickel | 08/31/98 | 8.78 | 250 | 0.062 |
| Potassium | 08/31/98 | 1470 | NLE | 2.497 |
| Selenium | 08/31/98 | ND | 63 | 0.375 |
| Silver | 08/31/98 | ND | 110 | 0.375 |
| Sodium | 08/31/98 | 207 | NLE | 2.497 |
| Thallium | 08/31/98 | ND | 2 | 0.375 |
| Vanadium | 08/31/98 | 22.9 | 370 | 0.125 |
| Zinc | 08/31/98 | 29.2 | 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 #: 3805.18
Sample Received:08/12/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-205, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 4920 | NLE | 1.226 |
| Antimony | 08/31/98 | ND | 14 | 0.245 |
| Arsenic | 08/31/98 | 7.61 | 20 | 0.245 |
| Barium | 08/31/98 | 61.6 | 700 | 0.061 |
| Beryllium | 08/31/98 | 0.354 | 1 | 0.061 |
| Cadmium | 08/31/98 | ND | 1 | 0.061 |
| Calcium | 08/31/98 | 1010 | NLE | 2.453 |
| Chromium | 08/31/98 | 12.9 | NLE | 0.061 |
| Cobalt | 08/31/98 | 4.80 | NLE | 0.061 |
| Copper | 08/31/98 | 18.1 | 600 | 0.368 |
| Iron | 08/31/98 | 5100 | NLE | 1.226 |
| Lead | 08/31/98 | 28.6 | 100 | 0.245 |
| Magnesium | 08/31/98 | 342 | NLE | 2.453 |
| Manganese | 08/31/98 | 21.1 | NLE | 0.061 |
| Mercury | 08/20/98 | ND | 14 | 0.035 |
| Nickel | 08/31/98 | 14.5 | 250 | 0.061 |
| Potassium | 08/31/98 | 989 | NLE | 2.453 |
| Selenium | 08/31/98 | 1.24 | 63 | 0.368 |
| Silver | 08/31/98 | ND | 110 | 0.368 |
| Sodium | 08/31/98 | 339 | NLE | 2.453 |
| Thallium | 08/31/98 | ND | 2 | 0.368 |
| Vanadium | 08/31/98 | 23.7 | 370 | 0.123 |
| Zinc | 08/31/98 | 27.2 | 1500 | 0.123 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3805.20
Sample Received:08/12/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-206, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 12300 | NLE | 1.273 |
| Antimony | 08/31/98 | ND | 14 | 0.255 |
| Arsenic | 08/31/98 | 8.46 | 20 | 0.255 |
| Barium | 08/31/98 | 99.6 | 700 | 0.064 |
| Beryllium | 08/31/98 | 0.985 | 1 | 0.064 |
| Cadmium | 08/31/98 | ND | 1 | 0.064 |
| Calcium | 08/31/98 | 1270 | NLE | 2.546 |
| Chromium | 08/31/98 | 26.4 | NLE | 0.064 |
| Cobalt | 08/31/98 | 9.39 | NLE | 0.064 |
| Copper | 08/31/98 | 110 | 600 | 0.382 |
| Iron | 08/31/98 | 10200 | NLE | 1.273 |
| Lead | 08/31/98 | 39.9 | 100 | 0.255 |
| Magnesium | 08/31/98 | 540 | NLE | 2.546 |
| Manganese | 08/31/98 | 63.2 | NLE | 0.064 |
| Mercury | 08/20/98 | ND | 14 | 0.034 |
| Nickel | 08/31/98 | 24.5 | 250 | 0.064 |
| Potassium | 08/31/98 | 2280 | NLE | 2.546 |
| Selenium | 08/31/98 | ND | 63 | 0.382 |
| Silver | 08/31/98 | ND | 110 | 0.382 |
| Sodium | 08/31/98 | 460 | NLE | 2.546 |
| Thallium | 08/31/98 | ND | 2 | 0.382 |
| Vanadium | 08/31/98 | 31.5 | 370 | 0.127 |
| Zinc | 08/31/98 | 31.8 | 1500 | 0.127 |

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 #: 3805.22
Sample Received:08/12/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-207, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 3020 | NLE | 1.133 |
| Antimony | 08/31/98 | 0.411 | 14 | 0.227 |
| Arsenic | 08/31/98 | 6.07 | 20 | 0.227 |
| Barium | 08/31/98 | 22.3 | 700 | 0.057 |
| Beryllium | 08/31/98 | 0.288 | 1 | 0.057 |
| Cadmium | 08/31/98 | ND | 1 | 0.057 |
| Calcium | 08/31/98 | 670 | NLE | 2.266 |
| Chromium | 08/31/98 | 18.4 | NLE | 0.057 |
| Cobalt | 08/31/98 | 3.91 | NLE | 0.057 |
| Copper | 08/31/98 | 31.8 | 600 | 0.340 |
| Iron | 08/31/98 | 15100 | NLE | 1.133 |
| Lead | 08/31/98 | 12.6 | 100 | 0.227 |
| Magnesium | 08/31/98 | 329 | NLE | 2.266 |
| Manganese | 08/31/98 | 65.6 | NLE | 0.057 |
| Mercury | 08/20/98 | 0.047 | 14 | 0.018 |
| Nickel | 08/31/98 | 11.9 | 250 | 0.057 |
| Potassium | 08/31/98 | 852 | NLE | 2.266 |
| Selenium | 08/31/98 | 0.606 | 63 | 0.340 |
| Silver | 08/31/98 | ND | 110 | 0.340 |
| Sodium | 08/31/98 | 252 | NLE | 2.266 |
| Thallium | 08/31/98 | ND | 2 | 0.340 |
| Vanadium | 08/31/98 | 17.1 | 370 | 0.113 |
| Zinc | 08/31/98 | 165 | 1500 | 0.113 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3805.24
Sample Received:08/12/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-208, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 3420 | NLE | 1.396 |
| Antimony | 08/31/98 | 0.737 | 14 | 0.279 |
| Arsenic | 08/31/98 | 10.7 | 20 | 0.279 |
| Barium | 08/31/98 | 71.1 | 700 | 0.070 |
| Beryllium | 08/31/98 | 0.525 | 1 | 0.070 |
| Cadmium | 08/31/98 | ND | 1 | 0.070 |
| Calcium | 08/31/98 | 714 | NLE | 2.792 |
| Chromium | 08/31/98 | 32.0 | NLE | 0.070 |
| Cobalt | 08/31/98 | 2.42 | NLE | 0.070 |
| Copper | 08/31/98 | 58.0 | 600 | 0.419 |
| Iron | 08/31/98 | 14800 | NLE | 1.396 |
| Lead | 08/31/98 | 135 | 100 | 0.279 |
| Magnesium | 08/31/98 | 995 | NLE | 2.792 |
| Manganese | 08/31/98 | 36.2 | NLE | 0.070 |
| Mercury | 08/20/98 | 0.075 | 14 | 0.029 |
| Nickel | 08/31/98 | 7.99 | 250 | 0.070 |
| Potassium | 08/31/98 | 3150 | NLE | 2.792 |
| Selenium | 08/31/98 | ND | 63 | 0.419 |
| Silver | 08/31/98 | ND | 110 | 0.419 |
| Sodium | 08/31/98 | 404 | NLE | 2.792 |
| Thallium | 08/31/98 | 0.505 | 2 | 0.419 |
| Vanadium | 08/31/98 | 21.1 | 370 | 0.140 |
| Zinc | 08/31/98 | 48.9 | 1500 | 0.140 |

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 #: 3805.26
Sample Received:08/12/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-209, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 6840 | NLE | 0.940 |
| Antimony | 08/31/98 | 0.870 | 14 | 0.188 |
| Arsenic | 08/31/98 | 8.17 | 20 | 0.188 |
| Barium | 08/31/98 | 59.7 | 700 | 0.047 |
| Beryllium | 08/31/98 | 0.671 | 1 | 0.047 |
| Cadmium | 08/31/98 | ND | 1 | 0.047 |
| Calcium | 08/31/98 | 1740 | NLE | 1.880 |
| Chromium | 08/31/98 | 43.7 | NLE | 0.047 |
| Cobalt | 08/31/98 | 3.08 | NLE | 0.047 |
| Copper | 08/31/98 | 36.6 | 600 | 0.282 |
| Iron | 08/31/98 | 18600 | NLE | 0.940 |
| Lead | 08/31/98 | 289 | 100 | 0.188 |
| Magnesium | 08/31/98 | 1800 | NLE | 1.880 |
| Manganese | 08/31/98 | 72.7 | NLE | 0.047 |
| Mercury | 08/20/98 | 0.072 | 14 | 0.026 |
| Nickel | 08/31/98 | 10.4 | 250 | 0.047 |
| Potassium | 08/31/98 | 2920 | NLE | 1.880 |
| Selenium | 08/31/98 | ND | 63 | 0.282 |
| Silver | 08/31/98 | ND | 110 | 0.282 |
| Sodium | 08/31/98 | 294 | NLE | 1.880 |
| Thallium | 08/31/98 | ND | 2 | 0.282 |
| Vanadium | 08/31/98 | 38.1 | 370 | 0.094 |
| Zinc | 08/31/98 | 197 | 1500 | 0.094 |

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 #: 3805.28
Sample Received:08/12/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-210, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 5330 | NLE | 1.104 |
| Antimony | 08/31/98 | 0.665 | 14 | 0.221 |
| Arsenic | 08/31/98 | 9.51 | 20 | 0.221 |
| Barium | 08/31/98 | 43.6 | 700 | 0.055 |
| Beryllium | 08/31/98 | 0.525 | 1 | 0.055 |
| Cadmium | 08/31/98 | ND | 1 | 0.055 |
| Calcium | 08/31/98 | 2000 | NLE | 2.207 |
| Chromium | 08/31/98 | 36.8 | NLE | 0.055 |
| Cobalt | 08/31/98 | 2.66 | NLE | 0.055 |
| Copper | 08/31/98 | 26.3 | 600 | 0.331 |
| Iron | 08/31/98 | 15500 | NLE | 1.104 |
| Lead | 08/31/98 | 73.8 | 100 | 0.221 |
| Magnesium | 08/31/98 | 1850 | NLE | 2.207 |
| Manganese | 08/31/98 | 73.2 | NLE | 0.055 |
| Mercury | 08/20/98 | 0.036 | 14 | 0.029 |
| Nickel | 08/31/98 | 7.49 | 250 | 0.055 |
| Potassium | 08/31/98 | 3840 | NLE | 2.207 |
| Selenium | 08/31/98 | ND | 63 | 0.331 |
| Silver | 08/31/98 | ND | 110 | 0.331 |
| Sodium | 08/31/98 | 327 | NLE | 2.207 |
| Thallium | 08/31/98 | ND | 2 | 0.331 |
| Vanadium | 08/31/98 | 32.7 | 370 | 0.110 |
| Zinc | 08/31/98 | 48.0 | 1500 | 0.110 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3805.30
Sample Received:08/12/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-211, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 958 | NLE | 1.143 |
| Antimony | 08/31/98 | ND | 14 | 0.229 |
| Arsenic | 08/31/98 | 1.23 | 20 | 0.229 |
| Barium | 08/31/98 | 129 | 700 | 0.057 |
| Beryllium | 08/31/98 | 0.0934 | 1 | 0.057 |
| Cadmium | 08/31/98 | ND | 1 | 0.057 |
| Calcium | 08/31/98 | 405 | NLE | 2.286 |
| Chromium | 08/31/98 | 2.75 | NLE | 0.057 |
| Cobalt | 08/31/98 | 1.56 | NLE | 0.057 |
| Copper | 08/31/98 | 12.1 | 600 | 0.343 |
| Iron | 08/31/98 | 2220 | NLE | 1.143 |
| Lead | 08/31/98 | 7.32 | 100 | 0.229 |
| Magnesium | 08/31/98 | 136 | NLE | 2.286 |
| Manganese | 08/31/98 | 25.5 | NLE | 0.057 |
| Mercury | 08/20/98 | ND | 14 | 0.020 |
| Nickel | 08/31/98 | 3.63 | 250 | 0.057 |
| Potassium | 08/31/98 | 248 | NLE | 2.286 |
| Selenium | 08/31/98 | ND | 63 | 0.343 |
| Silver | 08/31/98 | ND | 110 | 0.343 |
| Sodium | 08/31/98 | 159 | NLE | 2.286 |
| Thallium | 08/31/98 | 0.422 | 2 | 0.343 |
| Vanadium | 08/31/98 | 5.82 | 370 | 0.114 |
| Zinc | 08/31/98 | 11.7 | 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 #: 3809.02
Sample Received:08/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-212, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 3050 | NLE | 1.243 |
| Antimony | 08/31/98 | ND | 14 | 0.249 |
| Arsenic | 08/31/98 | 9.00 | 20 | 0.249 |
| Barium | 08/31/98 | 55.3 | 700 | 0.062 |
| Beryllium | 08/31/98 | 0.423 | 1 | 0.062 |
| Cadmium | 08/31/98 | ND | 1 | 0.062 |
| Calcium | 08/31/98 | 1440 | NLE | 2.487 |
| Chromium | 08/31/98 | 5.38 | NLE | 0.062 |
| Cobalt | 08/31/98 | 2.47 | NLE | 0.062 |
| Copper | 08/31/98 | 14.6 | 600 | 0.373 |
| Iron | 08/31/98 | 5180 | NLE | 1.243 |
| Lead | 08/31/98 | 25.3 | 100 | 0.249 |
| Magnesium | 08/31/98 | 316 | NLE | 2.487 |
| Manganese | 08/31/98 | 23.1 | NLE | 0.062 |
| Mercury | 08/20/98 | 0.041 | 14 | 0.041 |
| Nickel | 08/31/98 | 5.30 | 250 | 0.062 |
| Potassium | 08/31/98 | 369 | NLE | 2.487 |
| Selenium | 08/31/98 | ND | 63 | 0.373 |
| Silver | 08/31/98 | ND | 110 | 0.373 |
| Sodium | 08/31/98 | 349 | NLE | 2.487 |
| Thallium | 08/31/98 | 0.437 | 2 | 0.373 |
| Vanadium | 08/31/98 | 11.2 | 370 | 0.124 |
| Zinc | 08/31/98 | 22.3 | 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 #: 3809.04
Sample Received:08/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-213, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 3690 | NLE | 1.372 |
| Antimony | 08/31/98 | 0.466 | 14 | 0.274 |
| Arsenic | 08/31/98 | 10.5 | 20 | 0.274 |
| Barium | 08/31/98 | 70.3 | 700 | 0.069 |
| Beryllium | 08/31/98 | 0.492 | 1 | 0.069 |
| Cadmium | 08/31/98 | ND | 1 | 0.069 |
| Calcium | 08/31/98 | 777 | NLE | 2.743 |
| Chromium | 08/31/98 | 26.1 | NLE | 0.069 |
| Cobalt | 08/31/98 | 2.82 | NLE | 0.069 |
| Copper | 08/31/98 | 33.1 | 600 | 0.411 |
| Iron | 08/31/98 | 16000 | NLE | 1.372 |
| Lead | 08/31/98 | 146 | 100 | 0.274 |
| Magnesium | 08/31/98 | 918 | NLE | 2.743 |
| Manganese | 08/31/98 | 105 | NLE | 0.069 |
| Mercury | 08/20/98 | 0.645 | 14 | 0.027 |
| Nickel | 08/31/98 | 11.0 | 250 | 0.069 |
| Potassium | 08/31/98 | 2690 | NLE | 2.743 |
| Selenium | 08/31/98 | 0.618 | 63 | 0.411 |
| Silver | 08/31/98 | ND | 110 | 0.411 |
| Sodium | 08/31/98 | 412 | NLE | 2.743 |
| Thallium | 08/31/98 | ND | 2 | 0.411 |
| Vanadium | 08/31/98 | 21.5 | 370 | 0.137 |
| Zinc | 08/31/98 | 178 | 1500 | 0.137 |

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 #: 3809.06
Sample Received:08/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-214, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 6270 | NLE | 1.103 |
| Antimony | 08/31/98 | 1.24 | 14 | 0.221 |
| Arsenic | 08/31/98 | 10.9 | 20 | 0.221 |
| Barium | 08/31/98 | 42.5 | 700 | 0.055 |
| Beryllium | 08/31/98 | 0.591 | 1 | 0.055 |
| Cadmium | 08/31/98 | ND | 1 | 0.055 |
| Calcium | 08/31/98 | 320 | NLE | 2.206 |
| Chromium | 08/31/98 | 67.3 | NLE | 0.055 |
| Cobalt | 08/31/98 | 0.937 | NLE | 0.055 |
| Copper | 08/31/98 | 7.75 | 600 | 0.331 |
| Iron | 08/31/98 | 36000 | NLE | 1.103 |
| Lead | 08/31/98 | 20.2 | 100 | 0.221 |
| Magnesium | 08/31/98 | 2080 | NLE | 2.206 |
| Manganese | 08/31/98 | 13.0 | NLE | 0.055 |
| Mercury | 08/20/98 | 0.244 | 14 | 0.027 |
| Nickel | 08/31/98 | 4.41 | 250 | 0.055 |
| Potassium | 08/31/98 | 4850 | NLE | 2.206 |
| Selenium | 08/31/98 | ND | 63 | 0.331 |
| Silver | 08/31/98 | ND | 110 | 0.331 |
| Sodium | 08/31/98 | 650 | NLE | 2.206 |
| Thallium | 08/31/98 | 0.564 | 2 | 0.331 |
| Vanadium | 08/31/98 | 38.4 | 370 | 0.110 |
| Zinc | 08/31/98 | 27.8 | 1500 | 0.110 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3809.08
Sample Received:08/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-215, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 7680 | NLE | 1.140 |
| Antimony | 08/31/98 | 0.827 | 14 | 0.228 |
| Arsenic | 08/31/98 | 6.37 | 20 | 0.228 |
| Barium | 08/31/98 | 28.8 | 700 | 0.057 |
| Beryllium | 08/31/98 | 0.885 | 1 | 0.057 |
| Cadmium | 08/31/98 | ND | 1 | 0.057 |
| Calcium | 08/31/98 | 747 | NLE | 2.280 |
| Chromium | 08/31/98 | 78.2 | NLE | 0.057 |
| Cobalt | 08/31/98 | 1.07 | NLE | 0.057 |
| Copper | 08/31/98 | 4.39 | 600 | 0.342 |
| Iron | 08/31/98 | 24600 | NLE | 1.140 |
| Lead | 08/31/98 | 11.8 | 100 | 0.228 |
| Magnesium | 08/31/98 | 2350 | NLE | 2.280 |
| Manganese | 08/31/98 | 31.9 | NLE | 0.057 |
| Mercury | 08/20/98 | 0.061 | 14 | 0.026 |
| Nickel | 08/31/98 | 4.35 | 250 | 0.057 |
| Potassium | 08/31/98 | 4890 | NLE | 2.280 |
| Selenium | 08/31/98 | ND | 63 | 0.342 |
| Silver | 08/31/98 | ND | 110 | 0.342 |
| Sodium | 08/31/98 | 132 | NLE | 2.280 |
| Thallium | 08/31/98 | 0.531 | 2 | 0.342 |
| Vanadium | 08/31/98 | 48.5 | 370 | 0.114 |
| Zinc | 08/31/98 | 43.1 | 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 #: 3809.10
Sample Received:08/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-216, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 10900 | NLE | 1.039 |
| Antimony | 08/31/98 | 1.70 | 14 | 0.208 |
| Arsenic | 08/31/98 | 18.5 | 20 | 0.208 |
| Barium | 08/31/98 | 9.95 | 700 | 0.052 |
| Beryllium | 08/31/98 | 1.27 | 1 | 0.052 |
| Cadmium | 08/31/98 | ND | 1 | 0.052 |
| Calcium | 08/31/98 | 511 | NLE | 2.077 |
| Chromium | 08/31/98 | 122 | NLE | 0.052 |
| Cobalt | 08/31/98 | 0.799 | NLE | 0.052 |
| Copper | 08/31/98 | 3.87 | 600 | 0.312 |
| Iron | 08/31/98 | 36400 | NLE | 1.039 |
| Lead | 08/31/98 | 12.6 | 100 | 0.208 |
| Magnesium | 08/31/98 | 3600 | NLE | 2.077 |
| Manganese | 08/31/98 | 26.6 | NLE | 0.052 |
| Mercury | 08/20/98 | 0.042 | 14 | 0.023 |
| Nickel | 08/31/98 | 4.77 | 250 | 0.052 |
| Potassium | 08/31/98 | 6900 | NLE | 2.077 |
| Selenium | 08/31/98 | ND | 63 | 0.312 |
| Silver | 08/31/98 | ND | 110 | 0.312 |
| Sodium | 08/31/98 | 101 | NLE | 2.077 |
| Thallium | 08/31/98 | 0.738 | 2 | 0.312 |
| Vanadium | 08/31/98 | 45.5 | 370 | 0.104 |
| Zinc | 08/31/98 | 34.0 | 1500 | 0.104 |

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 #: 3809.12
Sample Received:08/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-217, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 8370 | NLE | 1.143 |
| Antimony | 08/31/98 | ND | 14 | 0.229 |
| Arsenic | 08/31/98 | 5.26 | 20 | 0.229 |
| Barium | 08/31/98 | 25.0 | 700 | 0.057 |
| Beryllium | 08/31/98 | 0.422 | 1 | 0.057 |
| Cadmium | 08/31/98 | ND | 1 | 0.057 |
| Calcium | 08/31/98 | 774 | NLE | 2.286 |
| Chromium | 08/31/98 | 28.8 | NLE | 0.057 |
| Cobalt | 08/31/98 | 1.68 | NLE | 0.057 |
| Copper | 08/31/98 | 4.41 | 600 | 0.343 |
| Iron | 08/31/98 | 11900 | NLE | 1.143 |
| Lead | 08/31/98 | 23.4 | 100 | 0.229 |
| Magnesium | 08/31/98 | 1120 | NLE | 2.286 |
| Manganese | 08/31/98 | 48.9 | NLE | 0.057 |
| Mercury | 08/20/98 | 0.095 | 14 | 0.028 |
| Nickel | 08/31/98 | 4.55 | 250 | 0.057 |
| Potassium | 08/31/98 | 3200 | NLE | 2.286 |
| Selenium | 08/31/98 | ND | 63 | 0.343 |
| Silver | 08/31/98 | ND | 110 | 0.343 |
| Sodium | 08/31/98 | 95.2 | NLE | 2.286 |
| Thallium | 08/31/98 | ND | 2 | 0.343 |
| Vanadium | 08/31/98 | 24.2 | 370 | 0.114 |
| Zinc | 08/31/98 | 28.6 | 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 #: 3809.14
Sample Received:08/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-218, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 2150 | NLE | 0.945 |
| Antimony | 08/31/98 | ND | 14 | 0.189 |
| Arsenic | 08/31/98 | 5.78 | 20 | 0.189 |
| Barium | 08/31/98 | 24.4 | 700 | 0.047 |
| Beryllium | 08/31/98 | 0.227 | 1 | 0.047 |
| Cadmium | 08/31/98 | ND | 1 | 0.047 |
| Calcium | 08/31/98 | 901 | NLE | 1.890 |
| Chromium | 08/31/98 | 12.9 | NLE | 0.047 |
| Cobalt | 08/31/98 | 1.77 | NLE | 0.047 |
| Copper | 08/31/98 | 24.9 | 600 | 0.284 |
| Iron | 08/31/98 | 6370 | NLE | 0.945 |
| Lead | 08/31/98 | 54.3 | 100 | 0.189 |
| Magnesium | 08/31/98 | 443 | NLE | 1.890 |
| Manganese | 08/31/98 | 30.0 | NLE | 0.047 |
| Mercury | 08/20/98 | 0.159 | 14 | 0.030 |
| Nickel | 08/31/98 | 4.61 | 250 | 0.047 |
| Potassium | 08/31/98 | 882 | NLE | 1.890 |
| Selenium | 08/31/98 | 0.582 | 63 | 0.284 |
| Silver | 08/31/98 | ND | 110 | 0.284 |
| Sodium | 08/31/98 | 142 | NLE | 1.890 |
| Thallium | 08/31/98 | 0.348 | 2 | 0.284 |
| Vanadium | 08/31/98 | 16.0 | 370 | 0.095 |
| Zinc | 08/31/98 | 30.6 | 1500 | 0.095 |

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 #: 3809.16
Sample Received:08/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-219, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 3880 | NLE | 1.195 |
| Antimony | 08/31/98 | 0.285 | 14 | 0.239 |
| Arsenic | 08/31/98 | 7.42 | 20 | 0.239 |
| Barium | 08/31/98 | 98.9 | 700 | 0.060 |
| Beryllium | 08/31/98 | 0.804 | 1 | 0.060 |
| Cadmium | 08/31/98 | 0.115 | 1 | 0.060 |
| Calcium | 08/31/98 | 1700 | NLE | 2.391 |
| Chromium | 08/31/98 | 21.4 | NLE | 0.060 |
| Cobalt | 08/31/98 | 2.73 | NLE | 0.060 |
| Copper | 08/31/98 | 30.3 | 600 | 0.359 |
| Iron | 08/31/98 | 10700 | NLE | 1.195 |
| Lead | 08/31/98 | 117 | 100 | 0.239 |
| Magnesium | 08/31/98 | 2390 | NLE | 2.391 |
| Manganese | 08/31/98 | 103 | NLE | 0.060 |
| Mercury | 08/20/98 | 0.236 | 14 | 0.026 |
| Nickel | 08/31/98 | 6.11 | 250 | 0.060 |
| Potassium | 08/31/98 | 2270 | NLE | 2.391 |
| Selenium | 08/31/98 | ND | 63 | 0.359 |
| Silver | 08/31/98 | ND | 110 | 0.359 |
| Sodium | 08/31/98 | 491 | NLE | 2.391 |
| Thallium | 08/31/98 | ND | 2 | 0.359 |
| Vanadium | 08/31/98 | 20.5 | 370 | 0.120 |
| Zinc | 08/31/98 | 67.3 | 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 #: 3809.18
Sample Received:08/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-220, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 4400 | NLE | 1.050 |
| Antimony | 08/31/98 | 0.763 | 14 | 0.210 |
| Arsenic | 08/31/98 | 10.0 | 20 | 0.210 |
| Barium | 08/31/98 | 70.6 | 700 | 0.053 |
| Beryllium | 08/31/98 | 0.534 | 1 | 0.053 |
| Cadmium | 08/31/98 | ND | 1 | 0.053 |
| Calcium | 08/31/98 | 983 | NLE | 2.101 |
| Chromium | 08/31/98 | 37.5 | NLE | 0.053 |
| Cobalt | 08/31/98 | 2.52 | NLE | 0.053 |
| Copper | 08/31/98 | 29.8 | 600 | 0.315 |
| Iron | 08/31/98 | 19400 | NLE | 1.050 |
| Lead | 08/31/98 | 122 | 100 | 0.210 |
| Magnesium | 08/31/98 | 1440 | NLE | 2.101 |
| Manganese | 08/31/98 | 49.5 | NLE | 0.053 |
| Mercury | 08/20/98 | 2.341 | 14 | 0.130 |
| Nickel | 08/31/98 | 6.60 | 250 | 0.053 |
| Potassium | 08/31/98 | 4340 | NLE | 2.101 |
| Selenium | 08/31/98 | ND | 63 | 0.315 |
| Silver | 08/31/98 | ND | 110 | 0.315 |
| Sodium | 08/31/98 | 386 | NLE | 2.101 |
| Thallium | 08/31/98 | 0.540 | 2 | 0.315 |
| Vanadium | 08/31/98 | 28.3 | 370 | 0.105 |
| Zinc | 08/31/98 | 57.2 | 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 #: 3809.20
Sample Received:08/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-221, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 7220 | NLE | 1.202 |
| Antimony | 08/31/98 | 1.38 | 14 | 0.240 |
| Arsenic | 08/31/98 | 9.59 | 20 | 0.240 |
| Barium | 08/31/98 | 55.2 | 700 | 0.060 |
| Beryllium | 08/31/98 | 1.10 | 1 | 0.060 |
| Cadmium | 08/31/98 | ND | 1 | 0.060 |
| Calcium | 08/31/98 | 654 | NLE | 2.403 |
| Chromium | 08/31/98 | 74.3 | NLE | 0.060 |
| Cobalt | 08/31/98 | 1.09 | NLE | 0.060 |
| Copper | 08/31/98 | 32.9 | 600 | 0.360 |
| Iron | 08/31/98 | 28900 | NLE | 1.202 |
| Lead | 08/31/98 | 137 | 100 | 0.240 |
| Magnesium | 08/31/98 | 2280 | NLE | 2.403 |
| Manganese | 08/31/98 | 20.7 | NLE | 0.060 |
| Mercury | 08/20/98 | 0.392 | 14 | 0.035 |
| Nickel | 08/31/98 | 5.86 | 250 | 0.060 |
| Potassium | 08/31/98 | 4950 | NLE | 2.403 |
| Selenium | 08/31/98 | ND | 63 | 0.360 |
| Silver | 08/31/98 | ND | 110 | 0.360 |
| Sodium | 08/31/98 | 723 | NLE | 2.403 |
| Thallium | 08/31/98 | ND | 2 | 0.360 |
| Vanadium | 08/31/98 | 34.4 | 370 | 0.120 |
| Zinc | 08/31/98 | 62.0 | 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 #: 3809.22
Sample Received:08/13/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-222, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 6310 | NLE | 1.173 |
| Antimony | 08/31/98 | 0.483 | 14 | 0.235 |
| Arsenic | 08/31/98 | 10.2 | 20 | 0.235 |
| Barium | 08/31/98 | 26.0 | 700 | 0.059 |
| Beryllium | 08/31/98 | 0.446 | 1 | 0.059 |
| Cadmium | 08/31/98 | ND | 1 | 0.059 |
| Calcium | 08/31/98 | 314 | NLE | 2.347 |
| Chromium | 08/31/98 | 69.0 | NLE | 0.059 |
| Cobalt | 08/31/98 | 1.08 | NLE | 0.059 |
| Copper | 08/31/98 | 4.04 | 600 | 0.352 |
| Iron | 08/31/98 | 17800 | NLE | 1.173 |
| Lead | 08/31/98 | 12.9 | 100 | 0.235 |
| Magnesium | 08/31/98 | 1680 | NLE | 2.347 |
| Manganese | 08/31/98 | 12.9 | NLE | 0.059 |
| Mercury | 08/20/98 | 0.197 | 14 | 0.033 |
| Nickel | 08/31/98 | 4.76 | 250 | 0.059 |
| Potassium | 08/31/98 | 5820 | NLE | 2.347 |
| Selenium | 08/31/98 | 0.353 | 63 | 0.352 |
| Silver | 08/31/98 | ND | 110 | 0.352 |
| Sodium | 08/31/98 | 572 | NLE | 2.347 |
| Thallium | 08/31/98 | 0.527 | 2 | 0.352 |
| Vanadium | 08/31/98 | 38.7 | 370 | 0.117 |
| Zinc | 08/31/98 | 25.8 | 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 #: 3812.02
Sample Received:08/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-223, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 8000 | NLE | 1.116 |
| Antimony | 08/31/98 | 0.759 | 14 | 0.223 |
| Arsenic | 08/31/98 | 8.04 | 20 | 0.223 |
| Barium | 08/31/98 | 40.3 | 700 | 0.056 |
| Beryllium | 08/31/98 | 0.764 | 1 | 0.056 |
| Cadmium | 08/31/98 | ND | 1 | 0.056 |
| Calcium | 08/31/98 | 1210 | NLE | 2.233 |
| Chromium | 08/31/98 | 60.4 | NLE | 0.056 |
| Cobalt | 08/31/98 | 2.47 | NLE | 0.056 |
| Copper | 08/31/98 | 22.0 | 600 | 0.335 |
| Iron | 08/31/98 | 21500 | NLE | 1.116 |
| Lead | 08/31/98 | 67.7 | 100 | 0.223 |
| Magnesium | 08/31/98 | 2160 | NLE | 2.233 |
| Manganese | 08/31/98 | 69.5 | NLE | 0.056 |
| Mercury | 08/31/98 | 0.096 | 14 | 0.019 |
| Nickel | 08/31/98 | 8.15 | 250 | 0.056 |
| Potassium | 08/31/98 | 4300 | NLE | 2.233 |
| Selenium | 08/31/98 | ND | 63 | 0.335 |
| Silver | 08/31/98 | ND | 110 | 0.335 |
| Sodium | 08/31/98 | 168 | NLE | 2.233 |
| Thallium | 08/31/98 | ND | 2 | 0.335 |
| Vanadium | 08/31/98 | 41.8 | 370 | 0.112 |
| Zinc | 08/31/98 | 79.5 | 1500 | 0.112 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3812.04
Sample Received:08/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-224, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 8920 | NLE | 1.001 |
| Antimony | 08/31/98 | ND | 14 | 0.200 |
| Arsenic | 08/31/98 | 4.76 | 20 | 0.200 |
| Barium | 08/31/98 | 25.7 | 700 | 0.050 |
| Beryllium | 08/31/98 | 0.399 | 1 | 0.050 |
| Cadmium | 08/31/98 | ND | 1 | 0.050 |
| Calcium | 08/31/98 | 606 | NLE | 2.003 |
| Chromium | 08/31/98 | 27.1 | NLE | 0.050 |
| Cobalt | 08/31/98 | 1.60 | NLE | 0.050 |
| Copper | 08/31/98 | 3.70 | 600 | 0.300 |
| Iron | 08/31/98 | 11300 | NLE | 1.001 |
| Lead | 08/31/98 | 15.3 | 100 | 0.200 |
| Magnesium | 08/31/98 | 1040 | NLE | 2.003 |
| Manganese | 08/31/98 | 46.6 | NLE | 0.050 |
| Mercury | 08/31/98 | 0.351 | 14 | 0.017 |
| Nickel | 08/31/98 | 4.31 | 250 | 0.050 |
| Potassium | 08/31/98 | 3180 | NLE | 2.003 |
| Selenium | 08/31/98 | ND | 63 | 0.300 |
| Silver | 08/31/98 | ND | 110 | 0.300 |
| Sodium | 08/31/98 | 94.2 | NLE | 2.003 |
| Thallium | 08/31/98 | ND | 2 | 0.300 |
| Vanadium | 08/31/98 | 23.5 | 370 | 0.100 |
| Zinc | 08/31/98 | 22.5 | 1500 | 0.100 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3812.06
Sample Received:08/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-225, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 3360 | NLE | 1.084 |
| Antimony | 08/31/98 | 0.444 | 14 | 0.217 |
| Arsenic | 08/31/98 | 6.16 | 20 | 0.217 |
| Barium | 08/31/98 | 28.3 | 700 | 0.054 |
| Beryllium | 08/31/98 | 0.336 | 1 | 0.054 |
| Cadmium | 08/31/98 | ND | 1 | 0.054 |
| Calcium | 08/31/98 | 631 | NLE | 2.169 |
| Chromium | 08/31/98 | 22.4 | NLE | 0.054 |
| Cobalt | 08/31/98 | 1.47 | NLE | 0.054 |
| Copper | 08/31/98 | 23.1 | 600 | 0.325 |
| Iron | 08/31/98 | 10800 | NLE | 1.084 |
| Lead | 08/31/98 | 81.2 | 100 | 0.217 |
| Magnesium | 08/31/98 | 748 | NLE | 2.169 |
| Manganese | 08/31/98 | 29.2 | NLE | 0.054 |
| Mercury | 08/31/98 | 0.301 | 14 | 0.022 |
| Nickel | 08/31/98 | 5.43 | 250 | 0.054 |
| Potassium | 08/31/98 | 1920 | NLE | 2.169 |
| Selenium | 08/31/98 | ND | 63 | 0.325 |
| Silver | 08/31/98 | ND | 110 | 0.325 |
| Sodium | 08/31/98 | 262 | NLE | 2.169 |
| Thallium | 08/31/98 | 0.457 | 2 | 0.325 |
| Vanadium | 08/31/98 | 23.1 | 370 | 0.108 |
| Zinc | 08/31/98 | 48.0 | 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 #: 3812.08
Sample Received:08/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-226, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 5370 | NLE | 1.185 |
| Antimony | 08/31/98 | 0.648 | 14 | 0.237 |
| Arsenic | 08/31/98 | 7.70 | 20 | 0.237 |
| Barium | 08/31/98 | 47.9 | 700 | 0.059 |
| Beryllium | 08/31/98 | 0.719 | 1 | 0.059 |
| Cadmium | 08/31/98 | ND | 1 | 0.059 |
| Calcium | 08/31/98 | 1020 | NLE | 2.370 |
| Chromium | 08/31/98 | 44.1 | NLE | 0.059 |
| Cobalt | 08/31/98 | 2.10 | NLE | 0.059 |
| Copper | 08/31/98 | 32.9 | 600 | 0.355 |
| Iron | 08/31/98 | 18800 | NLE | 1.185 |
| Lead | 08/31/98 | 111 | 100 | 0.237 |
| Magnesium | 08/31/98 | 1470 | NLE | 2.370 |
| Manganese | 08/31/98 | 40.0 | NLE | 0.059 |
| Mercury | 08/31/98 | 0.283 | 14 | 0.022 |
| Nickel | 08/31/98 | 7.43 | 250 | 0.059 |
| Potassium | 08/31/98 | 4750 | NLE | 2.370 |
| Selenium | 08/31/98 | ND | 63 | 0.355 |
| Silver | 08/31/98 | ND | 110 | 0.355 |
| Sodium | 08/31/98 | 448 | NLE | 2.370 |
| Thallium | 08/31/98 | 0.457 | 2 | 0.355 |
| Vanadium | 08/31/98 | 28.9 | 370 | 0.118 |
| Zinc | 08/31/98 | 50.3 | 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 #: 3812.10
Sample Received:08/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-227, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 6730 | NLE | 1.098 |
| Antimony | 08/31/98 | | 14 | 0.220 |
| Arsenic | 08/31/98 | 6.64 | 20 | 0.220 |
| Barium | 08/31/98 | 38.5 | 700 | 0.055 |
| Beryllium | 08/31/98 | 0.916 | 1 | 0.055 |
| Cadmium | 08/31/98 | ND | 1 | 0.055 |
| Calcium | 08/31/98 | 519 | NLE | 2.197 |
| Chromium | 08/31/98 | 73.2 | NLE | 0.055 |
| Cobalt | 08/31/98 | 0.940 | NLE | 0.055 |
| Copper | 08/31/98 | 8.81 | 600 | 0.329 |
| Iron | 08/31/98 | 25700 | NLE | 1.098 |
| Lead | 08/31/98 | 21.4 | 100 | 0.220 |
| Magnesium | 08/31/98 | 2690 | NLE | 2.197 |
| Manganese | 08/31/98 | 11.5 | NLE | 0.055 |
| Mercury | 08/31/98 | 0.198 | 14 | 0.024 |
| Nickel | 08/31/98 | 4.49 | 250 | 0.055 |
| Potassium | 08/31/98 | 5430 | NLE | 2.197 |
| Selenium | 08/31/98 | ND | 63 | 0.329 |
| Silver | 08/31/98 | ND | 110 | 0.329 |
| Sodium | 08/31/98 | 483 | NLE | 2.197 |
| Thallium | 08/31/98 | 0.898 | 2 | 0.329 |
| Vanadium | 08/31/98 | 24.8 | 370 | 0.110 |
| Zinc | 08/31/98 | 34.3 | 1500 | 0.110 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3812.12
Sample Received:08/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-228, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 8520 | NLE | 1.120 |
| Antimony | 08/31/98 | 1.17 | 14 | 0.224 |
| Arsenic | 08/31/98 | 8.79 | 20 | 0.224 |
| Barium | 08/31/98 | 39.9 | 700 | 0.056 |
| Beryllium | 08/31/98 | 1.43 | 1 | 0.056 |
| Cadmium | 08/31/98 | ND | 1 | 0.056 |
| Calcium | 08/31/98 | 395 | NLE | 2.239 |
| Chromium | 08/31/98 | 92.1 | NLE | 0.056 |
| Cobalt | 08/31/98 | 1.42 | NLE | 0.056 |
| Copper | 08/31/98 | 5.93 | 600 | 0.336 |
| Iron | 08/31/98 | 30100 | NLE | 1.120 |
| Lead | 08/31/98 | 23.9 | 100 | 0.224 |
| Magnesium | 08/31/98 | 2940 | NLE | 2.239 |
| Manganese | 08/31/98 | 26.8 | NLE | 0.056 |
| Mercury | 08/31/98 | 0.212 | 14 | 0.025 |
| Nickel | 08/31/98 | 5.39 | 250 | 0.056 |
| Potassium | 08/31/98 | 6580 | NLE | 2.239 |
| Selenium | 08/31/98 | ND | 63 | 0.336 |
| Silver | 08/31/98 | ND | 110 | 0.336 |
| Sodium | 08/31/98 | 315 | NLE | 2.239 |
| Thallium | 08/31/98 | 0.567 | 2 | 0.336 |
| Vanadium | 08/31/98 | 32.1 | 370 | 0.112 |
| Zinc | 08/31/98 | 50.8 | 1500 | 0.112 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3812.14
Sample Received:08/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-229, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 4570 | NLE | 1.145 |
| Antimony | 08/31/98 | 1.06 | 14 | 0.229 |
| Arsenic | 08/31/98 | 11.0 | 20 | 0.229 |
| Barium | 08/31/98 | 31.5 | 700 | 0.057 |
| Beryllium | 08/31/98 | 0.514 | 1 | 0.057 |
| Cadmium | 08/31/98 | ND | 1 | 0.057 |
| Calcium | 08/31/98 | 344 | NLE | 2.290 |
| Chromium | 08/31/98 | 51.5 | NLE | 0.057 |
| Cobalt | 08/31/98 | 0.718 | NLE | 0.057 |
| Copper | 08/31/98 | 17.7 | 600 | 0.344 |
| Iron | 08/31/98 | 30800 | NLE | 1.145 |
| Lead | 08/31/98 | 18.8 | 100 | 0.229 |
| Magnesium | 08/31/98 | 1530 | NLE | 2.290 |
| Manganese | 08/31/98 | 10.5 | NLE | 0.057 |
| Mercury | 08/31/98 | 0.182 | 14 | 0.022 |
| Nickel | 08/31/98 | 3.49 | 250 | 0.057 |
| Potassium | 08/31/98 | 3610 | NLE | 2.290 |
| Selenium | 08/31/98 | ND | 63 | 0.344 |
| Silver | 08/31/98 | ND | 110 | 0.344 |
| Sodium | 08/31/98 | 565 | NLE | 2.290 |
| Thallium | 08/31/98 | 0.690 | 2 | 0.344 |
| Vanadium | 08/31/98 | 34.0 | 370 | 0.115 |
| Zinc | 08/31/98 | 43.5 | 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 #: 3812.16
Sample Received:08/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-230, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 6620 | NLE | 0.964 |
| Antimony | 08/31/98 | 0.918 | 14 | 0.193 |
| Arsenic | 08/31/98 | 9.13 | 20 | 0.193 |
| Barium | 08/31/98 | 19.0 | 700 | 0.048 |
| Beryllium | 08/31/98 | 0.723 | 1 | 0.048 |
| Cadmium | 08/31/98 | ND | 1 | 0.048 |
| Calcium | 08/31/98 | 420 | NLE | 1.928 |
| Chromium | 08/31/98 | 62.7 | NLE | 0.048 |
| Cobalt | 08/31/98 | 1.55 | NLE | 0.048 |
| Copper | 08/31/98 | 11.6 | 600 | 0.289 |
| Iron | 08/31/98 | 20200 | NLE | 0.964 |
| Lead | 08/31/98 | 36.3 | 100 | 0.193 |
| Magnesium | 08/31/98 | 1890 | NLE | 1.928 |
| Manganese | 08/31/98 | 45.2 | NLE | 0.048 |
| Mercury | 08/31/98 | 0.067 | 14 | 0.022 |
| Nickel | 08/31/98 | 5.19 | 250 | 0.048 |
| Potassium | 08/31/98 | 3780 | NLE | 1.928 |
| Selenium | 08/31/98 | ND | 63 | 0.289 |
| Silver | 08/31/98 | ND | 110 | 0.289 |
| Sodium | 08/31/98 | 135 | NLE | 1.928 |
| Thallium | 08/31/98 | ND | 2 | 0.289 |
| Vanadium | 08/31/98 | 42.3 | 370 | 0.096 |
| Zinc | 08/31/98 | 32.1 | 1500 | 0.096 |

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 #: 3812.18
Sample Received:08/14/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-231, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 7420 | NLE | 1.058 |
| Antimony | 08/31/98 | 1.12 | 14 | 0.212 |
| Arsenic | 08/31/98 | 7.76 | 20 | 0.212 |
| Barium | 08/31/98 | 31.0 | 700 | 0.053 |
| Beryllium | 08/31/98 | 0.786 | 1 | 0.053 |
| Cadmium | 08/31/98 | ND | 1 | 0.053 |
| Calcium | 08/31/98 | 786 | NLE | 2.116 |
| Chromium | 08/31/98 | 59.1 | NLE | 0.053 |
| Cobalt | 08/31/98 | 2.61 | NLE | 0.053 |
| Copper | 08/31/98 | 12.9 | 600 | 0.317 |
| Iron | 08/31/98 | 26600 | NLE | 1.058 |
| Lead | 08/31/98 | 47.5 | 100 | 0.212 |
| Magnesium | 08/31/98 | 1430 | NLE | 2.116 |
| Manganese | 08/31/98 | 45.2 | NLE | 0.053 |
| Mercury | 08/31/98 | 0.078 | 14 | 0.018 |
| Nickel | 08/31/98 | 9.07 | 250 | 0.053 |
| Potassium | 08/31/98 | 5360 | NLE | 2.116 |
| Selenium | 08/31/98 | ND | 63 | 0.317 |
| Silver | 08/31/98 | ND | 110 | 0.317 |
| Sodium | 08/31/98 | 241 | NLE | 2.116 |
| Thallium | 08/31/98 | 0.429 | 2 | 0.317 |
| Vanadium | 08/31/98 | 60.8 | 370 | 0.106 |
| Zinc | 08/31/98 | 36.3 | 1500 | 0.106 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3827.02
Sample Received:08/25/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-232, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 7250 | NLE | 1.198 |
| Antimony | 08/31/98 | 1.28 | 14 | 0.240 |
| Arsenic | 08/31/98 | 9.52 | 20 | 0.240 |
| Barium | 08/31/98 | 45.3 | 700 | 0.060 |
| Beryllium | 08/31/98 | 0.958 | 1 | 0.060 |
| Cadmium | 08/31/98 | ND | 1 | 0.060 |
| Calcium | 08/31/98 | 862 | NLE | 2.396 |
| Chromium | 08/31/98 | 74.3 | NLE | 0.060 |
| Cobalt | 08/31/98 | 1.36 | NLE | 0.060 |
| Copper | 08/31/98 | 14.2 | 600 | 0.359 |
| Iron | 08/31/98 | 29600 | NLE | 1.198 |
| Lead | 08/31/98 | 55.9 | 100 | 0.240 |
| Magnesium | 08/31/98 | 2260 | NLE | 2.396 |
| Manganese | 08/31/98 | 21.2 | NLE | 0.060 |
| Mercury | 08/31/98 | 0.278 | 14 | 0.023 |
| Nickel | 08/31/98 | 6.07 | 250 | 0.060 |
| Potassium | 08/31/98 | 4740 | NLE | 2.396 |
| Selenium | 08/31/98 | ND | 63 | 0.359 |
| Silver | 08/31/98 | ND | 110 | 0.359 |
| Sodium | 08/31/98 | 360 | NLE | 2.396 |
| Thallium | 08/31/98 | 0.725 | 2 | 0.359 |
| Vanadium | 08/31/98 | 40.3 | 370 | 0.120 |
| Zinc | 08/31/98 | 43.4 | 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 #: 3827.04
Sample Received:08/25/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-233, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 3370 | NLE | 1.216 |
| Antimony | 08/31/98 | 0.374 | 14 | 0.243 |
| Arsenic | 08/31/98 | 6.66 | 20 | 0.243 |
| Barium | 08/31/98 | 35.5 | 700 | 0.061 |
| Beryllium | 08/31/98 | 0.500 | 1 | 0.061 |
| Cadmium | 08/31/98 | ND | 1 | 0.061 |
| Calcium | 08/31/98 | 708 | NLE | 2.433 |
| Chromium | 08/31/98 | 20.6 | NLE | 0.061 |
| Cobalt | 08/31/98 | 3.37 | NLE | 0.061 |
| Copper | 08/31/98 | 11.9 | 600 | 0.365 |
| Iron | 08/31/98 | 12200 | NLE | 1.216 |
| Lead | 08/31/98 | 25.5 | 100 | 0.243 |
| Magnesium | 08/31/98 | 684 | NLE | 2.433 |
| Manganese | 08/31/98 | 61.6 | NLE | 0.061 |
| Mercury | 08/31/98 | 0.220 | 14 | 0.024 |
| Nickel | 08/31/98 | 6.49 | 250 | 0.061 |
| Potassium | 08/31/98 | 1950 | NLE | 2.433 |
| Selenium | 08/31/98 | ND | 63 | 0.365 |
| Silver | 08/31/98 | ND | 110 | 0.365 |
| Sodium | 08/31/98 | 297 | NLE | 2.433 |
| Thallium | 08/31/98 | 0.456 | 2 | 0.365 |
| Vanadium | 08/31/98 | 15.7 | 370 | 0.122 |
| Zinc | 08/31/98 | 59.6 | 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 #: 3827.06
Sample Received:08/25/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-234, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 4870 | NLE | 1.301 |
| Antimony | 08/31/98 | 0.900 | 14 | 0.260 |
| Arsenic | 08/31/98 | 6.23 | 20 | 0.260 |
| Barium | 08/31/98 | 25.8 | 700 | 0.065 |
| Beryllium | 08/31/98 | 0.861 | 1 | 0.065 |
| Cadmium | 08/31/98 | ND | 1 | 0.065 |
| Calcium | 08/31/98 | 199 | NLE | 2.603 |
| Chromium | 08/31/98 | 55.4 | NLE | 0.065 |
| Cobalt | 08/31/98 | 0.880 | NLE | 0.065 |
| Copper | 08/31/98 | 2.95 | 600 | 0.390 |
| Iron | 08/31/98 | 19900 | NLE | 1.301 |
| Lead | 08/31/98 | 14.4 | 100 | 0.260 |
| Magnesium | 08/31/98 | 1640 | NLE | 2.603 |
| Manganese | 08/31/98 | 14.7 | NLE | 0.065 |
| Mercury | 08/31/98 | 0.213 | 14 | 0.020 |
| Nickel | 08/31/98 | 3.35 | 250 | 0.065 |
| Potassium | 08/31/98 | 6550 | NLE | 2.603 |
| Selenium | 08/31/98 | ND | 63 | 0.390 |
| Silver | 08/31/98 | ND | 110 | 0.390 |
| Sodium | 08/31/98 | 194 | NLE | 2.603 |
| Thallium | 08/31/98 | 0.680 | 2 | 0.390 |
| Vanadium | 08/31/98 | 17.6 | 370 | 0.130 |
| Zinc | 08/31/98 | 28.8 | 1500 | 0.130 |

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 #: 3827.08
Sample Received:08/25/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-235, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 5200 | NLE | 1.136 |
| Antimony | 08/31/98 | 1.04 | 14 | 0.227 |
| Arsenic | 08/31/98 | 7.87 | 20 | 0.227 |
| Barium | 08/31/98 | 36.4 | 700 | 0.057 |
| Beryllium | 08/31/98 | 0.887 | 1 | 0.057 |
| Cadmium | 08/31/98 | ND | 1 | 0.057 |
| Calcium | 08/31/98 | 442 | NLE | 2.271 |
| Chromium | 08/31/98 | 57.3 | NLE | 0.057 |
| Cobalt | 08/31/98 | 0.948 | NLE | 0.057 |
| Copper | 08/31/98 | 10.5 | 600 | 0.341 |
| Iron | 08/31/98 | 22900 | NLE | 1.136 |
| Lead | 08/31/98 | 30.7 | 100 | 0.227 |
| Magnesium | 08/31/98 | 1690 | NLE | 2.271 |
| Manganese | 08/31/98 | 14.1 | NLE | 0.057 |
| Mercury | 08/31/98 | 0.288 | 14 | 0.020 |
| Nickel | 08/31/98 | 4.77 | 250 | 0.057 |
| Potassium | 08/31/98 | 3720 | NLE | 2.271 |
| Selenium | 08/31/98 | ND | 63 | 0.341 |
| Silver | 08/31/98 | ND | 110 | 0.341 |
| Sodium | 08/31/98 | 431 | NLE | 2.271 |
| Thallium | 08/31/98 | 0.475 | 2 | 0.341 |
| Vanadium | 08/31/98 | 22.7 | 370 | 0.114 |
| Zinc | 08/31/98 | 43.8 | 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 #: 3827.10
Sample Received:08/25/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-236, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 10200 | NLE | 1.261 |
| Antimony | 08/31/98 | 1.67 | 14 | 0.252 |
| Arsenic | 08/31/98 | 9.48 | 20 | 0.252 |
| Barium | 08/31/98 | 36.3 | 700 | 0.063 |
| Beryllium | 08/31/98 | 1.39 | 1 | 0.063 |
| Cadmium | 08/31/98 | ND | 1 | 0.063 |
| Calcium | 08/31/98 | 583 | NLE | 2.522 |
| Chromium | 08/31/98 | 112 | NLE | 0.063 |
| Cobalt | 08/31/98 | 1.67 | NLE | 0.063 |
| Copper | 08/31/98 | 5.84 | 600 | 0.378 |
| Iron | 08/31/98 | 41300 | NLE | 1.261 |
| Lead | 08/31/98 | 21.9 | 100 | 0.252 |
| Magnesium | 08/31/98 | 4380 | NLE | 2.522 |
| Manganese | 08/31/98 | 15.7 | NLE | 0.063 |
| Mercury | 08/31/98 | 0.217 | 14 | 0.024 |
| Nickel | 08/31/98 | 6.44 | 250 | 0.063 |
| Potassium | 08/31/98 | 10200 | NLE | 2.522 |
| Selenium | 08/31/98 | ND | 63 | 0.378 |
| Silver | 08/31/98 | ND | 110 | 0.378 |
| Sodium | 08/31/98 | 582 | NLE | 2.522 |
| Thallium | 08/31/98 | 0.589 | 2 | 0.378 |
| Vanadium | 08/31/98 | 51.8 | 370 | 0.126 |
| Zinc | 08/31/98 | 43.6 | 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 #: 3836.02
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-237, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 4020 | NLE | 0.993 |
| Antimony | 08/31/98 | 0.604 | 14 | 0.199 |
| Arsenic | 08/31/98 | 5.11 | 20 | 0.199 |
| Barium | 08/31/98 | 16.8 | 700 | 0.050 |
| Beryllium | 08/31/98 | 0.479 | 1 | 0.050 |
| Cadmium | 08/31/98 | ND | 1 | 0.050 |
| Calcium | 08/31/98 | 595 | NLE | 1.987 |
| Chromium | 08/31/98 | 40.3 | NLE | 0.050 |
| Cobalt | 08/31/98 | 1.79 | NLE | 0.050 |
| Copper | 08/31/98 | 8.44 | 600 | 0.298 |
| Iron | 08/31/98 | 17300 | NLE | 0.993 |
| Lead | 08/31/98 | 26.0 | 100 | 0.199 |
| Magnesium | 08/31/98 | 928 | NLE | 1.987 |
| Manganese | 08/31/98 | 53.3 | NLE | 0.050 |
| Mercury | 08/31/98 | 0.037 | 14 | 0.023 |
| Nickel | 08/31/98 | 5.85 | 250 | 0.050 |
| Potassium | 08/31/98 | 2360 | NLE | 1.987 |
| Selenium | 08/31/98 | ND | 63 | 0.298 |
| Silver | 08/31/98 | ND | 110 | 0.298 |
| Sodium | 08/31/98 | 104 | NLE | 1.987 |
| Thallium | 08/31/98 | 0.402 | 2 | 0.298 |
| Vanadium | 08/31/98 | 39.8 | 370 | 0.099 |
| Zinc | 08/31/98 | 39.1 | 1500 | 0.099 |

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 #: 3836.04
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-238, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 6180 | NLE | 1.070 |
| Antimony | 08/31/98 | 0.948 | 14 | 0.214 |
| Arsenic | 08/31/98 | 8.95 | 20 | 0.214 |
| Barium | 08/31/98 | 20.1 | 700 | 0.054 |
| Beryllium | 08/31/98 | 0.733 | 1 | 0.054 |
| Cadmium | 08/31/98 | ND | 1 | 0.054 |
| Calcium | 08/31/98 | 290 | NLE | 2.141 |
| Chromium | 08/31/98 | 59.8 | NLE | 0.054 |
| Cobalt | 08/31/98 | 2.79 | NLE | 0.054 |
| Copper | 08/31/98 | 1.78 | 600 | 0.321 |
| Iron | 08/31/98 | 31700 | NLE | 1.070 |
| Lead | 08/31/98 | 13.4 | 100 | 0.214 |
| Magnesium | 08/31/98 | 872 | NLE | 2.141 |
| Manganese | 08/31/98 | 60.2 | NLE | 0.054 |
| Mercury | 08/31/98 | 0.015 | 14 | 0.021 |
| Nickel | 08/31/98 | 7.59 | 250 | 0.054 |
| Potassium | 08/31/98 | 2490 | NLE | 2.141 |
| Selenium | 08/31/98 | ND | 63 | 0.321 |
| Silver | 08/31/98 | ND | 110 | 0.321 |
| Sodium | 08/31/98 | 97.0 | NLE | 2.141 |
| Thallium | 08/31/98 | 0.570 | 2 | 0.321 |
| Vanadium | 08/31/98 | 74.9 | 370 | 0.107 |
| Zinc | 08/31/98 | 46.3 | 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 #: 3836.06
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-239, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 5840 | NLE | 1.196 |
| Antimony | 08/31/98 | 0.721 | 14 | 0.239 |
| Arsenic | 08/31/98 | 9.08 | 20 | 0.239 |
| Barium | 08/31/98 | 49.4 | 700 | 0.060 |
| Beryllium | 08/31/98 | 0.799 | 1 | 0.060 |
| Cadmium | 08/31/98 | ND | 1 | 0.060 |
| Calcium | 08/31/98 | 371 | NLE | 2.393 |
| Chromium | 08/31/98 | 61.8 | NLE | 0.060 |
| Cobalt | 08/31/98 | 1.01 | NLE | 0.060 |
| Copper | 08/31/98 | 17.6 | 600 | 0.359 |
| Iron | 08/31/98 | 24100 | NLE | 1.196 |
| Lead | 08/31/98 | 50.6 | 100 | 0.239 |
| Magnesium | 08/31/98 | 1690 | NLE | 2.393 |
| Manganese | 08/31/98 | 13.9 | NLE | 0.060 |
| Mercury | 08/31/98 | 0.380 | 14 | 0.023 |
| Nickel | 08/31/98 | 4.97 | 250 | 0.060 |
| Potassium | 08/31/98 | 6150 | NLE | 2.393 |
| Selenium | 08/31/98 | ND | 63 | 0.359 |
| Silver | 08/31/98 | ND | 110 | 0.359 |
| Sodium | 08/31/98 | 320 | NLE | 2.393 |
| Thallium | 08/31/98 | 0.606 | 2 | 0.359 |
| Vanadium | 08/31/98 | 28.9 | 370 | 0.120 |
| Zinc | 08/31/98 | 39.6 | 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 #: 3836.08
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-240, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 7580 | NLE | 1.151 |
| Antimony | 08/31/98 | 1.16 | 14 | 0.230 |
| Arsenic | 08/31/98 | 12.6 | 20 | 0.230 |
| Barium | 08/31/98 | 48.1 | 700 | 0.058 |
| Beryllium | 08/31/98 | 0.949 | 1 | 0.058 |
| Cadmium | 08/31/98 | ND | 1 | 0.058 |
| Calcium | 08/31/98 | 421 | NLE | 2.303 |
| Chromium | 08/31/98 | 71.4 | NLE | 0.058 |
| Cobalt | 08/31/98 | 1.26 | NLE | 0.058 |
| Copper | 08/31/98 | 18.4 | 600 | 0.345 |
| Iron | 08/31/98 | 28500 | NLE | 1.151 |
| Lead | 08/31/98 | 55.8 | 100 | 0.230 |
| Magnesium | 08/31/98 | 2060 | NLE | 2.303 |
| Manganese | 08/31/98 | 16.9 | NLE | 0.058 |
| Mercury | 08/31/98 | 0.391 | 14 | 0.024 |
| Nickel | 08/31/98 | 6.16 | 250 | 0.058 |
| Potassium | 08/31/98 | 4130 | NLE | 2.303 |
| Selenium | 08/31/98 | ND | 63 | 0.345 |
| Silver | 08/31/98 | ND | 110 | 0.345 |
| Sodium | 08/31/98 | 374 | NLE | 2.303 |
| Thallium | 08/31/98 | 1.06 | 2 | 0.345 |
| Vanadium | 08/31/98 | 40.4 | 370 | 0.115 |
| Zinc | 08/31/98 | 43.7 | 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 #: 3836.10
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-241, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 5080 | NLE | 1.183 |
| Antimony | 08/31/98 | 0.821 | 14 | 0.237 |
| Arsenic | 08/31/98 | 7.60 | 20 | 0.237 |
| Barium | 08/31/98 | 46.5 | 700 | 0.059 |
| Beryllium | 08/31/98 | 1.15 | 1 | 0.059 |
| Cadmium | 08/31/98 | ND | 1 | 0.059 |
| Calcium | 08/31/98 | 332 | NLE | 2.365 |
| Chromium | 08/31/98 | 52.1 | NLE | 0.059 |
| Cobalt | 08/31/98 | 1.11 | NLE | 0.059 |
| Copper | 08/31/98 | 6.50 | 600 | 0.355 |
| Iron | 08/31/98 | 21100 | NLE | 1.183 |
| Lead | 08/31/98 | 28.5 | 100 | 0.237 |
| Magnesium | 08/31/98 | 1470 | NLE | 2.365 |
| Manganese | 08/31/98 | 13.0 | NLE | 0.059 |
| Mercury | 08/31/98 | 0.332 | 14 | 0.020 |
| Nickel | 08/31/98 | 5.00 | 250 | 0.059 |
| Potassium | 08/31/98 | 5540 | NLE | 2.365 |
| Selenium | 08/31/98 | ND | 63 | 0.355 |
| Silver | 08/31/98 | ND | 110 | 0.355 |
| Sodium | 08/31/98 | 304 | NLE | 2.365 |
| Thallium | 08/31/98 | 1.03 | 2 | 0.355 |
| Vanadium | 08/31/98 | 21.3 | 370 | 0.118 |
| Zinc | 08/31/98 | 43.8 | 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 #: 3836.12
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-242, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 5800 | NLE | 1.115 |
| Antimony | 08/31/98 | 0.593 | 14 | 0.223 |
| Arsenic | 08/31/98 | 6.45 | 20 | 0.223 |
| Barium | 08/31/98 | 24.5 | 700 | 0.056 |
| Beryllium | 08/31/98 | 0.736 | 1 | 0.056 |
| Cadmium | 08/31/98 | ND | 1 | 0.056 |
| Calcium | 08/31/98 | 575 | NLE | 2.231 |
| Chromium | 08/31/98 | 45.8 | NLE | 0.056 |
| Cobalt | 08/31/98 | 0.951 | NLE | 0.056 |
| Copper | 08/31/98 | 7.62 | 600 | 0.335 |
| Iron | 08/31/98 | 17000 | NLE | 1.115 |
| Lead | 08/31/98 | 19.4 | 100 | 0.223 |
| Magnesium | 08/31/98 | 1420 | NLE | 2.231 |
| Manganese | 08/31/98 | 28.1 | NLE | 0.056 |
| Mercury | 08/31/98 | 0.190 | 14 | 0.021 |
| Nickel | 08/31/98 | 431 | 250 | 0.056 |
| Potassium | 08/31/98 | 4830 | NLE | 2.231 |
| Selenium | 08/31/98 | ND | 63 | 0.335 |
| Silver | 08/31/98 | ND | 110 | 0.335 |
| Sodium | 08/31/98 | 362 | NLE | 2.231 |
| Thallium | 08/31/98 | 0.426 | 2 | 0.335 |
| Vanadium | 08/31/98 | 19.8 | 370 | 0.112 |
| Zinc | 08/31/98 | 53.5 | 1500 | 0.112 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3836.14
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-243, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 7380 | NLE | 1.589 |
| Antimony | 08/31/98 | 1.15 | 14 | 0.318 |
| Arsenic | 08/31/98 | 10.0 | 20 | 0.318 |
| Barium | 08/31/98 | 51.0 | 700 | 0.079 |
| Beryllium | 08/31/98 | 0.927 | 1 | 0.079 |
| Cadmium | 08/31/98 | ND | 1 | 0.079 |
| Calcium | 08/31/98 | 427 | NLE | 3.178 |
| Chromium | 08/31/98 | 72.0 | NLE | 0.079 |
| Cobalt | 08/31/98 | 2.04 | NLE | 0.079 |
| Copper | 08/31/98 | 12.3 | 600 | 0.477 |
| Iron | 08/31/98 | 33900 | NLE | 1.589 |
| Lead | 08/31/98 | 17.0 | 100 | 0.318 |
| Magnesium | 08/31/98 | 1930 | NLE | 3.178 |
| Manganese | 08/31/98 | 24.9 | NLE | 0.079 |
| Mercury | 08/31/98 | 0.255 | 14 | 0.032 |
| Nickel | 08/31/98 | 8.64 | 250 | 0.079 |
| Potassium | 08/31/98 | 7840 | NLE | 3.178 |
| Selenium | 08/31/98 | ND | 63 | 0.477 |
| Silver | 08/31/98 | ND | 110 | 0.477 |
| Sodium | 08/31/98 | 898 | NLE | 3.178 |
| Thallium | 08/31/98 | 0.710 | 2 | 0.477 |
| Vanadium | 08/31/98 | 59.3 | 370 | 0.159 |
| Zinc | 08/31/98 | 35.8 | 1500 | 0.159 |

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 #: 3836.16
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-244, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 3900 | NLE | 1.179 |
| Antimony | 08/31/98 | 0.495 | 14 | 0.236 |
| Arsenic | 08/31/98 | 6.62 | 20 | 0.236 |
| Barium | 08/31/98 | 34.5 | 700 | 0.059 |
| Beryllium | 08/31/98 | 0.450 | 1 | 0.059 |
| Cadmium | 08/31/98 | ND | 1 | 0.059 |
| Calcium | 08/31/98 | 929 | NLE | 2.358 |
| Chromium | 08/31/98 | 31.3 | NLE | 0.059 |
| Cobalt | 08/31/98 | 1.85 | NLE | 0.059 |
| Copper | 08/31/98 | 27.0 | 600 | 0.354 |
| Iron | 08/31/98 | 13200 | NLE | 1.179 |
| Lead | 08/31/98 | 94.5 | 100 | 0.236 |
| Magnesium | 08/31/98 | 1090 | NLE | 2.358 |
| Manganese | 08/31/98 | 53.9 | NLE | 0.059 |
| Mercury | 08/31/98 | 0.228 | 14 | 0.024 |
| Nickel | 08/31/98 | 5.75 | 250 | 0.059 |
| Potassium | 08/31/98 | 3120 | NLE | 2.358 |
| Selenium | 08/31/98 | ND | 63 | 0.354 |
| Silver | 08/31/98 | ND | 110 | 0.354 |
| Sodium | 08/31/98 | 262 | NLE | 2.358 |
| Thallium | 08/31/98 | 0.389 | 2 | 0.354 |
| Vanadium | 08/31/98 | 27.8 | 370 | 0.118 |
| Zinc | 08/31/98 | 65.6 | 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 #: 3836.18
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-245, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 8730 | NLE | 1.286 |
| Antimony | 08/31/98 | 1.28 | 14 | 0.257 |
| Arsenic | 08/31/98 | 9.43 | 20 | 0.257 |
| Barium | 08/31/98 | 53.7 | 700 | 0.064 |
| Beryllium | 08/31/98 | 1.25 | 1 | 0.064 |
| Cadmium | 08/31/98 | ND | 1 | 0.064 |
| Calcium | 08/31/98 | 396 | NLE | 2.571 |
| Chromium | 08/31/98 | 88.1 | NLE | 0.064 |
| Cobalt | 08/31/98 | 1.68 | NLE | 0.064 |
| Copper | 08/31/98 | 45.3 | 600 | 0.386 |
| Iron | 08/31/98 | 33700 | NLE | 1.286 |
| Lead | 08/31/98 | 50.5 | 100 | 0.257 |
| Magnesium | 08/31/98 | 2980 | NLE | 2.571 |
| Manganese | 08/31/98 | 18.8 | NLE | 0.064 |
| Mercury | 08/31/98 | 0.355 | 14 | 0.021 |
| Nickel | 08/31/98 | 7.73 | 250 | 0.064 |
| Potassium | 08/31/98 | 7070 | NLE | 2.571 |
| Selenium | 08/31/98 | ND | 63 | 0.386 |
| Silver | 08/31/98 | ND | 110 | 0.386 |
| Sodium | 08/31/98 | 303 | NLE | 2.571 |
| Thallium | 08/31/98 | 0.969 | 2 | 0.386 |
| Vanadium | 08/31/98 | 45.4 | 370 | 0.129 |
| Zinc | 08/31/98 | 47.6 | 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 #: 3836.20
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-246, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 5890 | NLE | 1.187 |
| Antimony | 08/31/98 | 0.940 | 14 | 0.237 |
| Arsenic | 08/31/98 | 8.91 | 20 | 0.237 |
| Barium | 08/31/98 | 53.3 | 700 | 0.059 |
| Beryllium | 08/31/98 | 0.811 | 1 | 0.059 |
| Cadmium | 08/31/98 | ND | 1 | 0.059 |
| Calcium | 08/31/98 | 306 | NLE | 2.373 |
| Chromium | 08/31/98 | 63.2 | NLE | 0.059 |
| Cobalt | 08/31/98 | 0.960 | NLE | 0.059 |
| Copper | 08/31/98 | 22.5 | 600 | 0.356 |
| Iron | 08/31/98 | 28200 | NLE | 1.187 |
| Lead | 08/31/98 | 53.2 | 100 | 0.237 |
| Magnesium | 08/31/98 | 1660 | NLE | 2.373 |
| Manganese | 08/31/98 | 15.0 | NLE | 0.059 |
| Mercury | 08/31/98 | 0.385 | 14 | 0.025 |
| Nickel | 08/31/98 | 4.64 | 250 | 0.059 |
| Potassium | 08/31/98 | 3650 | NLE | 2.373 |
| Selenium | 08/31/98 | ND | 63 | 0.356 |
| Silver | 08/31/98 | ND | 110 | 0.356 |
| Sodium | 08/31/98 | 310 | NLE | 2.373 |
| Thallium | 08/31/98 | 0.665 | 2 | 0.356 |
| Vanadium | 08/31/98 | 28.6 | 370 | 0.119 |
| Zinc | 08/31/98 | 181 | 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 #: 3836.22
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-247, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 5890 | NLE | 1.172 |
| Antimony | 08/31/98 | 0.931 | 14 | 0.234 |
| Arsenic | 08/31/98 | 8.61 | 20 | 0.234 |
| Barium | 08/31/98 | 40.9 | 700 | 0.059 |
| Beryllium | 08/31/98 | 1.02 | 1 | 0.059 |
| Cadmium | 08/31/98 | ND | 1 | 0.059 |
| Calcium | 08/31/98 | 787 | NLE | 2.343 |
| Chromium | 08/31/98 | 60.5 | NLE | 0.059 |
| Cobalt | 08/31/98 | 0.998 | NLE | 0.059 |
| Copper | 08/31/98 | 18.0 | 600 | 0.351 |
| Iron | 08/31/98 | 24400 | NLE | 1.172 |
| Lead | 08/31/98 | 47.4 | 100 | 0.234 |
| Magnesium | 08/31/98 | 1830 | NLE | 2.343 |
| Manganese | 08/31/98 | 19.0 | NLE | 0.059 |
| Mercury | 08/31/98 | 0.371 | 14 | 0.024 |
| Nickel | 08/31/98 | 4.52 | 250 | 0.059 |
| Potassium | 08/31/98 | 3760 | NLE | 2.343 |
| Selenium | 08/31/98 | ND | 63 | 0.351 |
| Silver | 08/31/98 | ND | 110 | 0.351 |
| Sodium | 08/31/98 | 349 | NLE | 2.343 |
| Thallium | 08/31/98 | 0.863 | 2 | 0.351 |
| Vanadium | 08/31/98 | 27.3 | 370 | 0.117 |
| Zinc | 08/31/98 | 43.6 | 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 #: 3836.24
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-248, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 6970 | NLE | 0.987 |
| Antimony | 08/31/98 | 1.14 | 14 | 0.197 |
| Arsenic | 08/31/98 | 9.13 | 20 | 0.197 |
| Barium | 08/31/98 | 34.6 | 700 | 0.049 |
| Beryllium | 08/31/98 | 0.945 | 1 | 0.049 |
| Cadmium | 08/31/98 | ND | 1 | 0.049 |
| Calcium | 08/31/98 | 1140 | NLE | 1.974 |
| Chromium | 08/31/98 | 72..5 | NLE | 0.049 |
| Cobalt | 08/31/98 | 1.55 | NLE | 0.049 |
| Copper | 08/31/98 | 10.1 | 600 | 0.296 |
| Iron | 08/31/98 | 30600 | NLE | 0.987 |
| Lead | 08/31/98 | 21.6 | 100 | 0.197 |
| Magnesium | 08/31/98 | 2730 | NLE | 1.974 |
| Manganese | 08/31/98 | 33.2 | NLE | 0.049 |
| Mercury | 08/31/98 | 0.229 | 14 | 0.021 |
| Nickel | 08/31/98 | 6.14 | 250 | 0.049 |
| Potassium | 08/31/98 | 5980 | NLE | 1.974 |
| Selenium | 08/31/98 | ND | 63 | 0.296 |
| Silver | 08/31/98 | ND | 110 | 0.296 |
| Sodium | 08/31/98 | 360 | NLE | 1.974 |
| Thallium | 08/31/98 | 0.563 | 2 | 0.296 |
| Vanadium | 08/31/98 | 33.0 | 370 | 0.099 |
| Zinc | 08/31/98 | 69.5 | 1500 | 0.099 |

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 #: 3836.26
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-249, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 3390 | NLE | 1.153 |
| Antimony | 08/31/98 | 0.654 | 14 | 0.231 |
| Arsenic | 08/31/98 | 5.72 | 20 | 0.231 |
| Barium | 08/31/98 | 25.1 | 700 | 0.058 |
| Beryllium | 08/31/98 | 0.538 | 1 | 0.058 |
| Cadmium | 08/31/98 | ND | 1 | 0.058 |
| Calcium | 08/31/98 | 278 | NLE | 2.307 |
| Chromium | 08/31/98 | 39.3 | NLE | 0.058 |
| Cobalt | 08/31/98 | 0.926 | NLE | 0.058 |
| Copper | 08/31/98 | 5.01 | 600 | 0.346 |
| Iron | 08/31/98 | 17500 | NLE | 1.153 |
| Lead | 08/31/98 | 23.1 | 100 | 0.231 |
| Magnesium | 08/31/98 | 1160 | NLE | 2.307 |
| Manganese | 08/31/98 | 8.41 | NLE | 0.058 |
| Mercury | 08/31/98 | 0.267 | 14 | 0.023 |
| Nickel | 08/31/98 | 2.99 | 250 | 0.058 |
| Potassium | 08/31/98 | 4390 | NLE | 2.307 |
| Selenium | 08/31/98 | ND | 63 | 0.346 |
| Silver | 08/31/98 | ND | 110 | 0.346 |
| Sodium | 08/31/98 | 336 | NLE | 2.307 |
| Thallium | 08/31/98 | 0.681 | 2 | 0.346 |
| Vanadium | 08/31/98 | 15.9 | 370 | 0.115 |
| Zinc | 08/31/98 | 27.2 | 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 #: 3836.28
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-250, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 8150 | NLE | 0.940 |
| Antimony | 08/31/98 | 1.43 | 14 | 0.188 |
| Arsenic | 08/31/98 | 7.84 | 20 | 0.188 |
| Barium | 08/31/98 | 31.1 | 700 | 0.047 |
| Beryllium | 08/31/98 | 1.02 | 1 | 0.047 |
| Cadmium | 08/31/98 | ND | 1 | 0.047 |
| Calcium | 08/31/98 | 389 | NLE | 1.880 |
| Chromium | 08/31/98 | 90.1 | NLE | 0.047 |
| Cobalt | 08/31/98 | 1.02 | NLE | 0.047 |
| Copper | 08/31/98 | 5.52 | 600 | 0.282 |
| Iron | 08/31/98 | 32800 | NLE | 0.940 |
| Lead | 08/31/98 | 20.2 | 100 | 0.188 |
| Magnesium | 08/31/98 | 3380 | NLE | 1.880 |
| Manganese | 08/31/98 | 12.4 | NLE | 0.047 |
| Mercury | 08/31/98 | 0.163 | 14 | 0.022 |
| Nickel | 08/31/98 | 4.74 | 250 | 0.047 |
| Potassium | 08/31/98 | 8120 | NLE | 1.880 |
| Selenium | 08/31/98 | ND | 63 | 0.282 |
| Silver | 08/31/98 | ND | 110 | 0.282 |
| Sodium | 08/31/98 | 342 | NLE | 1.880 |
| Thallium | 08/31/98 | 0.600 | 2 | 0.282 |
| Vanadium | 08/31/98 | 40.0 | 370 | 0.094 |
| Zinc | 08/31/98 | 39.4 | 1500 | 0.094 |

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 #: 3836.30
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-251, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 6430 | NLE | 1.120 |
| Antimony | 08/31/98 | 1.31 | 14 | 0.224 |
| Arsenic | 08/31/98 | 11.3 | 20 | 0.224 |
| Barium | 08/31/98 | 69.6 | 700 | 0.056 |
| Beryllium | 08/31/98 | 0.824 | 1 | 0.056 |
| Cadmium | 08/31/98 | ND | 1 | 0.056 |
| Calcium | 08/31/98 | 828 | NLE | 2.241 |
| Chromium | 08/31/98 | 72.6 | NLE | 0.056 |
| Cobalt | 08/31/98 | 1.36 | NLE | 0.056 |
| Copper | 08/31/98 | 110 | 600 | 0.336 |
| Iron | 08/31/98 | 31400 | NLE | 1.120 |
| Lead | 08/31/98 | 163 | 100 | 0.224 |
| Magnesium | 08/31/98 | 2210 | NLE | 2.241 |
| Manganese | 08/31/98 | 38.5 | NLE | 0.056 |
| Mercury | 08/31/98 | 0.275 | 14 | 0.024 |
| Nickel | 08/31/98 | 5.81 | 250 | 0.056 |
| Potassium | 08/31/98 | 4900 | NLE | 2.241 |
| Selenium | 08/31/98 | ND | 63 | 0.336 |
| Silver | 08/31/98 | ND | 110 | 0.336 |
| Sodium | 08/31/98 | 388 | NLE | 2.241 |
| Thallium | 08/31/98 | 0.709 | 2 | 0.336 |
| Vanadium | 08/31/98 | 35.1 | 370 | 0.112 |
| Zinc | 08/31/98 | 123 | 1500 | 0.112 |

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

# Report of Analysis
# U.S. Army, Fort Monmouth Environmental Laboratory
# NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3836.32
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-252, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 5560 | NLE | 1.069 |
| Antimony | 08/31/98 | 0.774 | 14 | 0.214 |
| Arsenic | 08/31/98 | 9.19 | 20 | 0.214 |
| Barium | 08/31/98 | 32.2 | 700 | 0.053 |
| Beryllium | 08/31/98 | 0.736 | 1 | 0.053 |
| Cadmium | 08/31/98 | ND | 1 | 0.053 |
| Calcium | 08/31/98 | 1100 | NLE | 2.138 |
| Chromium | 08/31/98 | 56.7 | NLE | 0.053 |
| Cobalt | 08/31/98 | 1.43 | NLE | 0.053 |
| Copper | 08/31/98 | 15.8 | 600 | 0.321 |
| Iron | 08/31/98 | 21200 | NLE | 1.069 |
| Lead | 08/31/98 | 69.8 | 100 | 0.214 |
| Magnesium | 08/31/98 | 1920 | NLE | 2.138 |
| Manganese | 08/31/98 | 49.7 | NLE | 0.053 |
| Mercury | 08/31/98 | 0.361 | 14 | 0.023 |
| Nickel | 08/31/98 | 5.24 | 250 | 0.053 |
| Potassium | 08/31/98 | 3860 | NLE | 2.138 |
| Selenium | 08/31/98 | ND | 63 | 0.321 |
| Silver | 08/31/98 | ND | 110 | 0.321 |
| Sodium | 08/31/98 | 147 | NLE | 2.138 |
| Thallium | 08/31/98 | 0.535 | 2 | 0.321 |
| Vanadium | 08/31/98 | 25.7 | 370 | 0.107 |
| Zinc | 08/31/98 | 115 | 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 #: 3836.34
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-253, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 4350 | NLE | 0.890 |
| Antimony | 08/31/98 | 0.688 | 14 | 0.178 |
| Arsenic | 08/31/98 | 5.88 | 20 | 0.178 |
| Barium | 08/31/98 | 17.0 | 700 | 0.045 |
| Beryllium | 08/31/98 | 0.840 | 1 | 0.045 |
| Cadmium | 08/31/98 | ND | 1 | 0.045 |
| Calcium | 08/31/98 | 563 | NLE | 1.781 |
| Chromium | 08/31/98 | 46.7 | NLE | 0.045 |
| Cobalt | 08/31/98 | 1.21 | NLE | 0.045 |
| Copper | 08/31/98 | 11.9 | 600 | 0.267 |
| Iron | 08/31/98 | 16400 | NLE | 0.890 |
| Lead | 08/31/98 | 12.4 | 100 | 0.178 |
| Magnesium | 08/31/98 | 1330 | NLE | 1.781 |
| Manganese | 08/31/98 | 15.4 | NLE | 0.045 |
| Mercury | 08/31/98 | 0.069 | 14 | 0.021 |
| Nickel | 08/31/98 | 3.33 | 250 | 0.045 |
| Potassium | 08/31/98 | 5380 | NLE | 1.781 |
| Selenium | 08/31/98 | ND | 63 | 0.267 |
| Silver | 08/31/98 | ND | 110 | 0.267 |
| Sodium | 08/31/98 | 84.6 | NLE | 1.781 |
| Thallium | 08/31/98 | 0.332 | 2 | 0.267 |
| Vanadium | 08/31/98 | 13.5 | 370 | 0.089 |
| Zinc | 08/31/98 | 32.1 | 1500 | 0.089 |

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 #: 3836.36
Sample Received:08/26/98
Sample Matrix: Soil

Site: M-5
Ft. Monmouth, New Jersey

Field ID#: B-254, 6-12"

**TAL-METALS RESULTS SUMMARY (mg/kg)**

| Element | Date Analyzed | Result | Soil Cleanup Criteria | MDL |
|---|---|---|---|---|
| Aluminum | 08/31/98 | 6740 | NLE | 1.052 |
| Antimony | 08/31/98 | 0.916 | 14 | 0.210 |
| Arsenic | 08/31/98 | 10.1 | 20 | 0.210 |
| Barium | 08/31/98 | 48.4 | 700 | 0.053 |
| Beryllium | 08/31/98 | 2.05 | 1 | 0.053 |
| Cadmium | 08/31/98 | ND | 1 | 0.053 |
| Calcium | 08/31/98 | 143 | NLE | 2.104 |
| Chromium | 08/31/98 | 52.8 | NLE | 0.053 |
| Cobalt | 08/31/98 | 2.76 | NLE | 0.053 |
| Copper | 08/31/98 | 10.1 | 600 | 0.316 |
| Iron | 08/31/98 | 27700 | NLE | 1.052 |
| Lead | 08/31/98 | 40.3 | 100 | 0.210 |
| Magnesium | 08/31/98 | 1130 | NLE | 2.104 |
| Manganese | 08/31/98 | 38.0 | NLE | 0.053 |
| Mercury | 08/31/98 | 0.706 | 14 | 0.023 |
| Nickel | 08/31/98 | 6.57 | 250 | 0.053 |
| Potassium | 08/31/98 | 4170 | NLE | 2.104 |
| Selenium | 08/31/98 | ND | 63 | 0.316 |
| Silver | 08/31/98 | 0.413 | 110 | 0.316 |
| Sodium | 08/31/98 | 99.8 | NLE | 2.104 |
| Thallium | 08/31/98 | 0.691 | 2 | 0.316 |
| Vanadium | 08/31/98 | 26.8 | 370 | 0.105 |
| Zinc | 08/31/98 | 51.5 | 1500 | 0.105 |

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 M5-B1



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-8-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| 6 | | | SANDY SILT, fine-olive green | | |
| | 3465.03 | 1 | | 0-ppm | 1125 |
| 12 | | | | | |
| 18 | | | SAND, fine/ medium-or./ brown | | |
| 24 | 3465.04 | 2 | | 0-ppm | 1130 |
| 30 | | | SAND, Well Graded, medium-orange | | |
| 36 | 3465.05 | 3 | | 0-ppm | 1130 |
| 42 | | | | | |
| 48 | | | Groundwater Sample H2O @ 48" | | |
| 54 | | | | | |
| 60 | | | | | |
| 66 | 3465.06 | 4 | | 0-ppm | 1148 |
| 72 | | | | | |
| 78 | | | | | |
| 84 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b001.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B2



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-8-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| 6 | 3465.07 | 1 | SAND med.- iron stained | 0-ppm | 1338 |
| 12 | | | SAND, med./ fine-ol. green/ brown | | |
| 18 | | | | | |
| 24 | 3465.08 | 2 | SAND, Well Graded, medium-orange | 0-ppm | 1338 |
| 30 | | | | | |
| 36 | 3465.09 | 3 | SAND medium w/ small rnd. gravels | 0-ppm | 1343 |
| 42 | | | | | |
| 48 | | | | | |
| 54 | | | | | |
| 60 | | | | | |
| 66 | 3465.10 | 4 | Groundwater Sample H2O @ 39" | 0-ppm | 1405 |
| 72 | | | | | |
| 78 | | | | | |
| 84 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b002.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B3



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-8-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| 6 | 3465.11 | 1 | SAND med.- orange/ brown | 0-ppm | 1510 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3465.12 | 2 | SAND, medium- orange | 0-ppm | 1510 |
| 30 | | | | | |
| 36 | 3465.13 | 3 | SAND, med./ fine-orange w/ small rnd. gravels | 0-ppm | 1525 |
| 42 | | | | | |
| 48 | | | Groundwater Sample H2O @ 39" | | |
| 54 | | | | | |
| 60 | | | | | |
| 66 | 3465.14 | 4 | | 0-ppm | 1525 |
| 72 | | | | | |
| 78 | | | | | |
| 84 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b003.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B4



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-9-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| 6 | 3470.03 | 1 | SAND med./ fine- orange | 0-ppm | 0915 |
| 12 | | | SAND med./ fine- brown w/ small ang. coal frags. | | |
| 18 | | | | | |
| 24 | 3470.04 | 2 | | 3 PPM | 0920 |
| 30 | | | SAND, medium- orange | | |
| 36 | | | | | |
| 42 | 3470.05 | 3 | | 4 PPM | 0920 |
| 48 | | | SAND medium- orange/ olive green | | |
| 54 | | | Groundwater Sample H20 @ 46" | | |
| 60 | | | | | |
| 66 | 3470.06 | 4 | | 1-ppm | 0927 |
| 72 | | | | | |
| 78 | | | | | |
| 84 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b004.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B5



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-9-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| | | | SAND medium- iron stained | | |
| 6 | | | | | |
| | 3470.07 | 1 | | 3.04 ppm | 1320 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3470.08 | 2 | | 5 ppm | 1325 |
| | | | SAND medium lt. brown/ orange | | |
| 30 | | | | | |
| | | | SAND, medium/ fine- orange | | |
| 36 | | | | | |
| | 3470.09 | 3 | SAND medium- orange | 7 ppm | 1325 |
| 42 | | | | | |
| | | | Groundwater Sample H2O @ 46" | | |
| 48 | | | | | |
| 54 | | | | | |
| 60 | | | | | |
| 66 | 3470.10 | 4 | | 2 ppm | 1333 |
| 72 | | | | | |
| 78 | | | | | |
| 84 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b005.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B6



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-9-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3470.11 | 1 | SAND med./ fine- orange w/ some coal frags. and small - angular gravels | | | | | 3 PPM | 1410 |
| 12 | | | SAND medium - brn./ black w/ coal frags. and small- angular gravels | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3470.12 | 2 | SAND, medium/ fine- olive green/ gray | | | | | 3 PPM | 1415 |
| 30 | | | SAND medium/ fine- orange w/ some small rnd. gravels | | | | | | |
| 36 | | | | | | | | | |
| 42 | 3470.13 | 3 | SAND, medium- olive green/ tan | | | | | 5 PPM | 1415 |
| 48 | | | Groundwater Sample H20 @ 44" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3470.14 | 4 | | | | | | 2 ppm | 1435 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b006.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B7



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-9-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | CINDERS w/ mixed sands | | | | | | |
| 6 | 3470.15 | 1 | | | | | | 2 PPM | 1525 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3470.16 | 2 | | | | | | 1 PPM | 1530 |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| | | | SAND,med. fine gray/ brown | | | | | | |
| 42 | 3470.17 | 3 | SAND fine/ medium- or./ brown | | | | | 1 PPM | 1530 |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3470.18 | 4 | | | | | | 2 ppm | 1545 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b007.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B8



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 4-10-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : GEO. SCREEN PT.

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | CINDER material w/ mixed sands | | | | | | | |
| 6 | 3472.03 | 1 | | | | | | | 2 PPM | 1000 |
| 12 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 24 | 3472.04 | 2 | | | | | | | 4 PPM | 1005 |
| 30 | | | | | | | | | | |
| 36 | 3472.05 | 3 | | | | | | | 10 PPM | 1005 |
| 42 | | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 42" | | | | | | | |
| 54 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 66 | 3472.06 | 4 | | | | | | | 2 ppm | 1045 |
| 72 | | | | | | | | | | |
| 78 | | | | | | | | | | |
| 84 | | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b008.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B9



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-10-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | CINDER material w/ mixed sands | | | | | | | |
| 6 | 3472.07 | 1 | | | | | | | 3 PPM | 1130 |
| 12 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 24 | 3472.08 | 2 | | | | | | | 3 PPM | 1140 |
| 30 | | | | | | | | | | |
| 36 | | | | | | | | | | |
| 42 | 3472.09 | 3 | | | | | | | 4 PPM | 1140 |
| 48 | | | Groundwater Sample H2O @ 48" | | | | | | | |
| 54 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 66 | 3472.10 | 4 | | | | | | | 1 ppm | 1155 |
| 72 | | | | | | | | | | |
| 78 | | | | | | | | | | |
| 84 | | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b009.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B10



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 4-10-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : GEO. SCREEN PT.

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3472.11 | 1 | SAND, fine/ coarse- orange | | | | | 0 PPM | 1323 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3472.12 | 2 | SAND, fine/ coarse- orange w/ some small rnd. gravels | | | | | 0 PPM | 1330 |
| 30 | | | SAND, med./ fine- lt. brown w/ < 10% coal frags. | | | | | | |
| 36 | | | SAND, Well Graded, medium- orange | | | | | | |
| 42 | | | | | | | | | |
| 48 | 3472.13 | 3 | CLAYEY SAND, fine-olive green | | | | | 0 PPM | 1330 |
| 54 | | | Groundwater Sample H2O @ 48" | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3472.14 | 4 | | | | | | 0 ppm | 1341 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b010.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B11



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-11-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | | | SAND, medium- iron stained | | | | | | |
| | 3473.03 | 1 | | | | | | 0 PPM | 0928 |
| 12 | | | CLAYEY SAND, hard- olive green | | | | | | |
| | | | SAND, Well Graded, medium- olive green | | | | | | |
| 18 | | | SAND, medium/ fine- tan | | | | | | |
| 24 | 3473.04 | 2 | | | | | | 0 PPM | 0934 |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| | 3473.05 | 3 | | | | | | 0 PPM | 0934 |
| 42 | | | | | | | | | |
| | | | SAND,med./ fine- tan/olive green | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3473.06 | 4 | | | | | | 0 ppm | 0937 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b011.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B12



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-11-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | | | SAND,med./ fine- orange | | | | | | |
| 12 | 3473.07 | 1 | | | | | | 0 PPM | 1035 |
| 18 | | | | | | | | | |
| 24 | 3473.08 | 2 | | | | | | 1.04 PPM | 1046 |
| 30 | | | SAND, medium- orange/ tan | | | | | | |
| 36 | | | | | | | | | |
| 42 | 3473.09 | 3 | | | | | | 3 PPM | 1046 |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3473.10 | 4 | | | | | | 0 ppm | 1055 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b012.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B13



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 4-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : GEO. SCREEN PT.

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF, sand- fine w/ small coal frags. | | | | | | |
| 6 | | | SAND, Well Graded, medium- orange/ brown | | | | | | |
| | 3473.11 | 1 | | | | | | 0 PPM | 1123 |
| 12 | | | SAND, Well Graded, medium-brown | | | | | | |
| 18 | | | SAND med./ fine-orange | | | | | | |
| 24 | 3473.12 | 2 | | | | | | 0 PPM | 1135 |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| | 3473.13 | 3 | | | | | | 0 PPM | 1135 |
| 42 | | | | | | | | | |
| 48 | | | SAND, Well Graded, medium-olive green | | | | | | |
| | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3473.14 | 4 | | | | | | 0 ppm | 1143 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b013.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B14



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 4-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : GEO. SCREEN PT.

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF, sand - fine w/ small coal frags. | | | | | | |
| 6 | 3473.15 | 1 | SAND, medium, - iron stained | | | | | 0 PPM | 1241 |
| 12 | | | SAND, fine/ medium - dark brown/ orange | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3473.16 | 2 | SAND med./ fine-orange | | | | | 0 PPM | 1245 |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| 42 | 3473.17 | 3 | | | | | | 0 PPM | 1245 |
| 48 | | | SAND, Well Graded, medium - orange/ tan | | | | | | |
| 54 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3473.18 | 4 | | | | | | 0 ppm | 1247 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b014.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B15



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 4-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : GEO. SCREEN PT.

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF, sand - fine w/ small coal frags. | | | | | | |
| 6 | 3473.19 | 1 | SAND, medium, - iron stained | | | | | 0 PPM | 1338 |
| 12 | | | COAL and cinder matl. | | | | | | |
| 18 | | | SAND, with some silt - orange/ olive green | | | | | | |
| 24 | 3473.20 | 2 | SILTY CLAY - black | | | | | 0 PPM | 1342 |
| | | | CEMENT DEBRIS | | | | | | |
| 30 | | | CINDER and coal debris | | | | | | |
| 36 | | | SAND, gray/ tan | | | | | | |
| 42 | 3473.21 | 3 | | | | | | 0 PPM | 1342 |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3473.22 | 4 | | | | | | 0 ppm | 1345 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b015.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B16



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 4-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : GEO. SCREEN PT.

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF. | | | | | | |
| 6 | 3477.03 | 1 | Mixed sands and cinder material w/ some brick pcs. | | | | | 0 PPM | 1035 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3477.04 | 2 | | | | | | 0 PPM | 1040 |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| 42 | 3477.05 | 3 | | | | | | 0 PPM | 1040 |
| 48 | | | SAND, fine/ medium - orange/ dk. brown w/ some cinders | | | | | | |
| 54 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3477.06 | 4 | | | | | | 0 ppm | 1046 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b016.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B17



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-13-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF. | | | | | | | |
| 6 | 3477.07 | 1 | Mixed sands and cinder material | | | | | | 0 PPM | 1120 |
| 12 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 24 | 3477.08 | 2 | | | | | | | 0 PPM | 1128 |
| 30 | | | | | | | | | | |
| 36 | | | | | | | | | | |
| 42 | 3477.09 | 3 | | | | | | | 0 PPM | 1128 |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | | |
| 54 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 66 | 3477.10 | 4 | | | | | | | 0 ppm | 1143 |
| 72 | | | | | | | | | | |
| 78 | | | | | | | | | | |
| 84 | | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b017.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B18



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 4-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : GEO. SCREEN PT.

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF. | | | | | | |
| 6 | 3477.11 | 1 | Mixed sands and cinder material | | | | | 0 PPM | 1334 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3477.12 | 2 | | | | | | 0 PPM | 1338 |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| 42 | 3477.13 | 3 | | | | | | 0 PPM | 1338 |
| 48 | | | SAND, med./ fine - yl./ tan w/ cinder material<br>Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3477.14 | 4 | | | | | | 0 PPM | 1342 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b018.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B19



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-13-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF. | | | | | | |
| | | | SAND med./ coarse - black [ coal like matl.] | | | | | | |
| 6 | | | SAND, med./ coarse - iron stained | | | | | | |
| | 3477.15 | 1 | | | | | | 0 PPM | 1440 |
| 12 | | | SAND,medium - dk. brown | | | | | | |
| | | | CLAYEY SILT, - olive green w/ orange mottling | | | | | | |
| 18 | | | SAND, Well Graded, medium - dk. brown | | | | | | |
| 24 | 3477.16 | 2 | SAND, med./ fine - orange | | | | | 0 PPM | 1446 |
| 30 | 3477.17 | 3 | | | | | | 0 PPM | 1446 |
| 36 | | | | | | | | | |
| | | | SAND, med./ coarse - orange w/ some coarse sub-ang gravels | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 36" | | | | | | |
| 54 | | | | | | | | | |
| 60 | 3477.18 | 4 | | | | | | 0 PPM | 1500 |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b019.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B20



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-14-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF. | | | | | | |
| | | | SAND med./ fine - iron stained | | | | | | |
| 6 | 3479.03 | 1 | | | | | | 0 PPM | 0935 |
| 12 | | | | | | | | | |
| 18 | | | SANDY SILT, fine - olive green | | | | | | |
| | | | SANDY SILT, fine - olive green w/ coal frags. | | | | | | |
| 24 | 3479.04 | 2 | SAND, med./ fine - orange | | | | | 2 PPM | 0956 |
| 30 | 3479.05 | 3 | | | | | | 0 PPM | 0956 |
| 36 | | | | | | | | | |
| 42 | | | SAND, Well Graded, medium - orange | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3479.06 | 4 | | | | | | 0 PPM | 1009 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b020.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B21



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-14-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF. | | | | | | |
| 6 | | | SAND, medium - orange | | | | | | |
| | 3479.07 | 1 | | | | | | 0 PPM | 1110 |
| 12 | | | | | | | | | |
| 18 | | | CLAYEY SILT, olive green | | | | | | |
| | | | SAND, Well Graded, white/ tan [beach sand appearance] | | | | | | |
| 24 | 3479.08 | 2 | | | | | | 2 PPM | 1120 |
| | | | SAND, Well Graded, medium - orange/ brown | | | | | | |
| 30 | 3479.09 | 3 | | | | | | 0 PPM | 1120 |
| 36 | | | | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3479.10 | 4 | | | | | | 0 PPM | 1127 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b021.bor

000150

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B22



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-14-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF w/ < 10% coal frags. | | | | | | |
| 6 | | | SAND, and clayey silt - or./ olive green | | | | | | |
| | 3479.11 | 1 | | | | | | 0 PPM | 1309 |
| 12 | | | | | | | | | |
| 18 | | | SAND, Well Graded, medium - orange | | | | | | |
| 24 | 3479.12 | 2 | | | | | | 0 PPM | 1318 |
| 30 | 3479.13 | 3 | | | | | | 0 PPM | 1318 |
| 36 | | | | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | SAND, coarse - orange w/ some small rnd. gravels | | | | | | |
| | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3479.14 | 4 | | | | | | 0 PPM | 1330 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5vm5-b022.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B23



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-15-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3485.03 | 1 | SAND, Well Graded, medium - orange | | | | | 0 PPM | 1035 |
| 12 | | | | | | | | | |
| 18 | | | SAND, w/ some silt med./ fine- gray/ black w/ some cinders and coal frags. | | | | | | |
| 24 | 3485.04 | 2 | | | | | | 0 PPM | 1042 |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| 42 | 3485.05 | 3 | SAND, Well Graded, medium - orange | | | | | 0 PPM | 1042 |
| 48 | | | Groundwater Sample H2O @ 45" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3485.06 | 4 | | | | | | 0 PPM | 1054 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b023.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B24



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 4-15-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : GEO. SCREEN PT.

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3485.07 | 1 | SAND, med./ fine - orange | | | | | 0 PPM | 1128 |
| 12 | | | SAND, fine - olive green w/ fine coal frags. | | | | | | |
| 18 | | | SAND, fine - olive green | | | | | | |
| | | | CINDERS w/ some fine sand and glass frags. | | | | | | |
| 24 | 3485.08 | 2 | | | | | | 0 PPM | 1143 |
| 30 | | | CINDERS and mixed sands - iron stained/ lt. green matl. present. | | | | | | |
| 36 | 3485.09 | 3 | | | | | | 0 PPM | 1143 |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 48" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3485.10 | 4 | | | | | | 0 PPM | 1156 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b024.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B25



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-15-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3485.11 | 1 | SAND, med./ coarse - gray w/ gravels, cinders, and coal frags. | | | | | 1 PPM | 1320 |
| 12 | | | | | | | | | |
| 18 | | | SAND, medium - gray/ orange w/ some small ang. gravels | | | | | | |
| | | | SAND, medium- gray/ orange w/ some coal frags. | | | | | | |
| 24 | 3485.12 | 2 | SAND, Well Graded, fine - gray | | | | | 3 PPM | 1332 |
| 30 | | | CINDER and coal matl. w/ mixed sands | | | | | | |
| 36 | | | | | | | | | |
| 42 | | | SAND, med./ fine - or./ tan w/ some cinder matl. | | | | | | |
| | 3485.13 | 3 | | | | | | 5 PPM | 1332 |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3485.14 | 4 | | | | | | 0 PPM | 1345 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b025.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B26



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-15-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : GEO. SCREEN PT. | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | CINDERS and mixed sands | | | | | | |
| 6 | 3485.15 | 1 | | | | | | 0 PPM | 1430 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3485.16 | 2 | | | | | | 0 PPM | 1438 |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| 42 | 3485.17 | 3 | | | | | | 0 PPM | 1438 |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3485.18 | 4 | | | | | | 0 PPM | 1447 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b026.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B27



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 4-20-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | CINDER material | | | | | | |
| 6 | 3498.03 | 1 | | | | | | 0 PPM | 1215 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3498.04 | 2 | | | | | | 0 PPM | 1225 |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| 42 | 3498.05 | 3 | | | | | | 0 PPM | 1225 |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3498.06 | 4 | | | | | | 0 PPM | 1235 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b027.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B28



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 4-20-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF [Possible Native Soils] | | | | | | |
| 6 | 3498.07 | 1 | SAND fine/ medium - orange | | | | | 0 PPM | 1340 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3498.08 | 2 | | | | | | 0 PPM | 1355 |
| 30 | | | SANDY SILT, med./ fine - dk. brown | | | | | | |
| 36 | | | | | | | | | |
| 42 | 3498.09 | 3 | | | | | | 0 PPM | 1355 |
| 48 | | | SAND, Well Graded, coarse - tan | | | | | | |
| 54 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3498.10 | 4 | | | | | | 0 PPM | 1414 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b028.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B29



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-20-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF [Possible Native Soils] | | | | | | |
| 6 | 3498.11 | 1 | SAND, fine/ medium - dk. brown | | | | | 0 PPM | 1426 |
| 12 | | | | | | | | | |
| 18 | | | SAND, fine/ medium - orange | | | | | | |
| 24 | 3498.12 | 2 | | | | | | 0 PPM | 1435 |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| 42 | 3498.13 | 3 | | | | | | 0 PPM | 1435 |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3498.14 | 4 | | | | | | 0 PPM | 1445 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b029.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B30



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-20-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3498.15 | 1 | SAND med./ fine - orange | | | | | 0 PPM | 1528 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3498.16 | 2 | SAND, Well Graded, fine - dk. brown | | | | | 0 PPM | 1538 |
| 30 | | | CINDERS and mixed sands | | | | | | |
| 36 | | | | | | | | | |
| 42 | 3498.17 | 3 | SAND, fine/ medium - orange | | | | | 0 PPM | 1538 |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3498.18 | 4 | | | | | | 0 PPM | 1544 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b030.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B31



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-21-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | | | SAND fine/ med. - orange | | | | | | |
| | 3500.02 | 1 | SAND, fine - olive green | | | | | 0 PPM | 0940 |
| 12 | | | SAND, fine - olive green/ orange | | | | | | |
| 18 | | | SAND, fine - dk. brown | | | | | | |
| 24 | 3500.03 | 2 | | | | | | 0 PPM | 0950 |
| | | | SAND, med./ fine - or./ tan | | | | | | |
| 30 | 3500.04 | 3 | | | | | | 0 PPM | 0950 |
| 36 | | | SAND, Well Graded, medium - tan | | | | | | |
| 42 | | | SAND, med./ coarse - or./ tan w/small rnd. gravels | | | | | | |
| 48 | | | Groundwater Sample H2O @ 36" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3500.05 | 4 | | | | | | 0 PPM | 1000 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b031.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B32



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-21-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3500.06 | 1 | SAND, med./ fine - orange w/ some cinder matl. | | | | | 0 PPM | 1030 |
| 12 | | | CINDERS w/ some fine sands | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3500.07 | 2 | | | | | | 0 PPM | 1043 |
| 30 | | | SAND, Well Graded, fine - tan | | | | | | |
| 36 | | | CINDER matl. | | | | | | |
| 42 | 3500.08 | 3 | | | | | | 0 PPM | 1043 |
| 48 | | | SANDY CLAY, med./ fine - blk./ gray | | | | | | |
| 54 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3500.09 | 4 | | | | | | .04 PPM | 1055 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b032.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B33



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-21-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | | | CINDERS | | | | | | |
| | 3500.10 | 1 | | | | | | 0 PPM | 1133 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3500.11 | 2 | | | | | | 0 PPM | 1140 |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| | 3500.12 | 3 | | | | | | 0 PPM | 1140 |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3500.13 | 4 | | | | | | 0 PPM | 1155 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b033.bor

000162

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B34



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 4-21-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3500.14 | 1 | SAND, fine/ coarse w/ cinder matl. | | | | | 0 PPM | 1330 |
| 12 | | | | | | | | | |
| 18 | | | SAND, med./ fine - orange w/ some cinders | | | | | | |
| 24 | 3500.15 | 2 | Landfill matl: Cement like appearance w/ small layers of sticky clay like matl.- olive green | | | | | 0 PPM | 1340 |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| 42 | 3500.16 | 3 | | | | | | 0 PPM | 1340 |
| 48 | | | CINDERS and mixed sands | | | | | | |
| 54 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3500.17 | 4 | | | | | | 0 PPM | 1350 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b034.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B35



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 4-21-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | | | CINDERS and mixed sands | | | | | | |
| 12 | 3500.18 | 1 | | | | | | 0 PPM | 1420 |
| 18 | | | | | | | | | |
| 24 | 3500.19 | 2 | | | | | | 0 PPM | 1435 |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| 42 | 3500.20 | 3 | | | | | | 0 PPM | 1435 |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3500.21 | 4 | | | | | | 0 PPM | 1450 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b035.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B36



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-22-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3501.02 | 1 | SAND, med./ fine - or./ dk. brown | | | | | 0 PPM | 0932 |
| 12 | | | SAND, Well Graded, medium - orange | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3501.03 | 2 | | | | | | 0 PPM | 0945 |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| 42 | 3501.04 | 3 | | | | | | 0 PPM | 0945 |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3501.05 | 4 | | | | | | .04 PPM | 0956 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b036.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B37



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-22-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3501.06 | 1 | SAND, medium - orange | | | | | 0 PPM | 1020 |
| 12 | | | | | | | | | |
| 18 | | | SAND, fine - dk. brown | | | | | | |
| 24 | 3501.07 | 2 | SAND, fine/ medium - orange | | | | | 0 PPM | 1037 |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| | 3501.08 | 3 | SAND, Well Graded, medium - orange | | | | | 0 PPM | 1037 |
| 42 | | | SAND, Well Graded, coarse - orange | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3501.09 | 4 | | | | | | 0 PPM | 1048 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b037.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B38



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-22-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3501.10 | 1 | SAND, medium/ fine - orange | | | | | 0 PPM | 1122 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3501.11 | 2 | | | | | | 0 PPM | 1133 |
| 30 | | | CINDERS | | | | | | |
| 36 | | | SAND, medium - orange | | | | | | |
| 42 | 3501.12 | 3 | | | | | | 0 PPM | 1133 |
| 48 | | | SAND, medium/ coarse - orange | | | | | | |
| 54 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3501.13 | 4 | | | | | | 1 PPM | 1148 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b038.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B39



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-22-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | SAND, medium/ coarse - iron stained | | | | | | |
| 6 | | | | | | | | | |
| | 3501.14 | 1 | | | | | | 0 PPM | 1317 |
| 12 | | | | | | | | | |
| | | | SILTY SAND, fine - olive green - 2ppm | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3501.15 | 2 | | | | | | 1.04 PPM | 1320 |
| | | | SANDY CLAY LOAM, fine - black | | | | | | |
| 30 | 3501.16 | 3 | | | | | | 3 PPM | 1320 |
| | | | SAND, medium/ coarse - tan | | | | | | |
| 36 | | | | | | | | | |
| 42 | | | | | | | | | |
| | | | SAND, coarse/ medium - olive green/ tan | | | | | | |
| 48 | | | | | | | | | |
| | | | Groundwater Sample H2O @ 35" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3501.17 | 4 | | | | | | .04 PPM | 1338 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b039.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B40



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 4-22-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3501.18 | 1 | SAND, medium/ coarse - iron stained | | | | | 0 PPM | 1421 |
| 12 | | | SILTY SAND, fine - olive green - 2ppm | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3501.19 | 2 | | | | | | 0 PPM | 1430 |
| 30 | | | SANDY CLAY LOAM, fine - black | | | | | | |
| 36 | | | SAND, medium/ coarse - tan | | | | | | |
| 42 | 3501.20 | 3 | | | | | | 0 PPM | 1430 |
| 48 | | | SAND, coarse/ medium - olive green/ tan | | | | | | |
| 54 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3501.21 | 4 | | | | | | 0 PPM | 1440 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b040.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B41



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-1-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | | | CINDERS, and mixed sands | | | | | | |
| | 3539.02 | 1 | | | | | | 0 PPM | 1125 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3539.03 | 2 | | | | | | .02 PPM | 1130 |
| 30 | | | | | | | | | |
| 36 | 3539.04 | 3 | | | | | | .02 PPM | 1140 |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 40" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3539.05 | 4 | | | | | | .04 PPM | 1150 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b041.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B42



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-1-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3539.06 | 1 | CINDERS, and mixed sands | | | | | .04 PPM | 1335 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3539.07 | 2 | | | | | | .02 PPM | 1346 |
| 30 | | | | | | | | | |
| 36 | 3539.08 | 3 | | | | | | 0 PPM | 1350 |
| 42 | | | Groundwater Sample H2O @ 40" | | | | | | |
| 48 | | | | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3539.09 | 4 | | | | | | 0 PPM | 1355 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b042.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B43



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-4-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | CINDERS | | | | | | |
| 6 | | | | | | | | | |
| | 3543.02 | 1 | | | | | | 0 PPM | 1040 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3543.03 | 2 | | | | | | 0PPM | 1045 |
| 30 | | | | | | | | | |
| 36 | 3543.04 | 3 | | | | | | 0 PPM | 1050 |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 40" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3543.05 | 4 | | | | | | 0 PPM | 1100 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b043.bor

000172

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B44



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-4-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | SANDY SILT, fine/medium - dk. brown | | | | | | |
| 6 | 3543.06 | 1 | CINDERS, coal and mixed sands | | | | | 0 PPM | 1320 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3543.07 | 2 | | | | | | 0PPM | 1325 |
| 30 | | | | | | | | | |
| 36 | 3543.08 | 3 | | | | | | 0 PPM | 1325 |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" [Slow water recovery] | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 33543.09 | 4 | | | | | | 0 PPM | 1445 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b044.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B45



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-4-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | SAND, Well Graded, fine - lt. brown | | | | | | |
| 6 | 3543.10 | 1 | | | | | | 0 PPM | 1408 |
| 12 | | | | | | | | | |
| 18 | | | CINDERS, coal and mixed sands | | | | | | |
| 24 | 3543.11 | 2 | | | | | | 8PPM | 1413 |
| 30 | | | | | | | | | |
| 36 | 3543.12 | 3 | | | | | | 0 PPM | 1413 |
| 42 | | | SAND, Well Graded, fine - tan | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" [Slow water recovery] | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3543.13 | 4 | | | | | | 0 PPM | 1534 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b045.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B46



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-4-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3543.14 | 1 | SAND, fine - lt. brown | | | | | 0 PPM | 1520 |
| 12 | | | CINDERS,I and mixed sands | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3543.15 | 2 | | | | | | 0 PPM | 1530 |
| 30 | | | | | | | | | |
| 36 | 3543.16 | 3 | SAND, Well Graded, fine - tan/ brown | | | | | 0 PPM | 1530 |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3543.17 | 4 | | | | | | 0 PPM | 1550 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b046.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B47



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-5-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | | | COAL frags and black fine sand | | | | | | |
| 12 | 3547.02 | 1 | | | | | | 0 PPM | 1010 |
| 18 | | | SAND, fine - or./ tan | | | | | | |
| 24 | 3547.03 | 2 | | | | | | 0 PPM | 1013 |
| 30 | | | | | | | | | |
| 36 | 3547.04 | 3 | | | | | | | CANCELLED* |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 40" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3547.05 | 4 | | | | | | 0 PPM | 1025 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b047.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B48



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-5-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | COAL cinders and black fine sand | | | | | | |
| 6 | | | | | | | | | |
| | 3547.06 | 1 | | | | | | 0 PPM | 1045 |
| 12 | | | | | | | | | |
| 18 | | | SAND, Well Graded, medium - orange | | | | | | |
| 24 | 3547.07 | 2 | | | | | | 0 PPM | 1050 |
| 30 | | | | | | | | | |
| | | | SAND, med./ coarse - orange | | | | | | |
| 36 | | | | | | | | | |
| | 3547.08 | 3 | | | | | | 1.04 | 1050 |
| 42 | | | | | | | | | |
| | | | GRAVELS, rounded with sand, med./ coarse - orange | | | | | | |
| 48 | | | | | | | | | |
| | | | Groundwater Sample H2O @ 40" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3547.09 | 4 | | | | | | 0 PPM | 1100 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b048.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B49



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-5-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | SAND, med./ fine - or./ tan | | | | | | |
| 6 | 3547.10 | 1 | | | | | | 0 PPM | 1145 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3547.11 | 2 | | | | | | 0 PPM | 1150 |
| 30 | | | | | | | | | |
| 36 | 3547.12 | 3 | | | | | | 0 PPM | 1150 |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 45" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3547.13 | 4 | | | | | | 0 PPM | 1205 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b049.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B50



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-5-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3547.14 | 1 | SAND, med./ fine - dk. brown | | | | | 0 PPM | 1345 |
| 12 | | | | | | | | | |
| 18 | | | SAND, fine/ medium - orange | | | | | | |
| 24 | 3547.15 | 2 | | | | | | 1 PPM | 1350 |
| 30 | | | | | | | | | |
| 36 | 3547.16 | 3 | | | | | | 0 PPM | 1350 |
| 42 | | | SAND, Well Graded, medium - lt. olive green | | | | | | |
| 48 | | | Groundwater Sample H2O @ 45" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3547.17 | 4 | | | | | | 0 PPM | 1400 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b050.bor

000179

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B51



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-5-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3547.18 | 1 | SAND, medium - orange | | | | | 0 PPM | 1420 |
| 12 | | | | | | | | | |
| 18 | | | SAND, Well Graded, medium - dk. brown | | | | | | |
| 24 | 3547.19 | 2 | SAND, med./ fine - orange | | | | | 0 PPM | 1430 |
| 30 | | | | | | | | | |
| 36 | 3547.20 | 3 | | | | | | 0 PPM | 1430 |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 45" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3547.21 | 4 | | | | | | 0 PPM | 1440 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b051.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B52



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-6-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | SANDY SILT, fine - dk. brown | | | | | | |
| 6 | 3550.03 | 1 | SAND, med./ fine orange | | | | | 1 PPM | 1020 |
| 12 | | | CLAY and SILT, - olive green | | | | | | |
| 18 | | | SAND, med./ fine - dk./ brown | | | | | | |
| 24 | 3550.04 | 2 | SAND, Well Graded, medium - orange w/ some-small rnd. gravels. | | | | | 0 PPM | 1030 |
| 30 | | | | | | | | | |
| 36 | 3550.05 | 3 | | | | | | 0 PPM | 1030 |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 45" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3550.06 | 4 | | | | | | 0 PPM | 1040 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b052.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B53



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-6-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF w/ coal frags. | | | | | | |
| 6 | 3550.07 | 1 | SAND, med./ fine - dk. brown w/ coal frags. | | | | | 0 PPM | 1120 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3550.08 | 2 | SAND, medium - tan | | | | | 0 PPM | 1135 |
| 30 | | | | | | | | | |
| 36 | 3550.09 | 3 | | | | | | 1 PPM | 1138 |
| 42 | | | SAND, coarse w/ sub. angular gravels - orange | | | | | | |
| 48 | | | Groundwater Sample H2O @ 45" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3550.10 | 4 | | | | | | 0 PPM | 1150 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b053.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B54



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-6-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | | | SAND, med./ fine - dk. brown | | | | | | |
| | 3550.11 | 1 | | | | | | 0 PPM | 1320 |
| 12 | | | | | | | | | |
| 18 | | | SAND, medium/ fine - orange | | | | | | |
| 24 | 3550.12 | 2 | | | | | | 0 PPM | 1325 |
| 30 | | | SAND, medium/ fine - orange w/ small rnd. gravels | | | | | | |
| 36 | 3550.13 | 3 | | | | | | 0 PPM | 1325 |
| 42 | | | SAND, med./ coarse - orange | | | | | | |
| 48 | | | Gruundwater Sample H2O @ 45" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3550.14 | 4 | | | | | | 0 PPM | 1330 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b054.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B55



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-06-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3550.15 | 1 | SANDY SILT, fine - brown | | | | | 0 PPM | 1515 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3550.16 | 2 | | | | | | 0 PPM | 1525 |
| 30 | | | CINDERS, and mixed sands | | | | | | |
| 36 | | | SILTY CLAY LOAM, - dk. brown | | | | | | |
| 42 | 3550.17 | 3 | CINDERS and coal | | | | | 0 PPM | 1525 |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3550.18 | 4 | | | | | | 0 PPM | 1530 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b055.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B56



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-11-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | | | SANDY SILT, fine - brown | | | | | | |
| | 3561.02 | 1 | | | | | | 0 PPM | 0945 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3561.03 | 2 | | | | | | 0 PPM | 0950 |
| 30 | | | CINDERS, and mixed sands | | | | | | |
| | | | SILTY CLAY LOAM, - dk. brown | | | | | | |
| 36 | | | CINDERS and coal | | | | | | |
| | 3561.04 | 3 | | | | | | 0 PPM | 0950 |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3561.05 | 4 | | | | | | 0 PPM | 1000 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b056.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B57



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-11-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | | | SAND, fine/ medium - dk. brown | | | | | | |
| | 3561.06 | 1 | | | | | | 0 PPM | 1040 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| | | | CINDERS | | | | | | |
| 24 | 3561.07 | 2 | | | | | | 0 PPM | 1050 |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| | 3561.08 | 3 | | | | | | 0 PPM | 1050 |
| 42 | | | | | | | | | |
| | | | SAND, med./ coarse | | | | | | |
| 48 | | | Groundwater Sample H2O @ 40" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3561.09 | 4 | | | | | | 0 PPM | 1100 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b057.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B58



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-11-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | | | SAND, fine/ medium - dk. brown/ orange | | | | | | |
| 12 | 3561.10 | 1 | | | | | | 0 PPM | 1310 |
| 18 | | | SAND, Well Graded, medium - orange | | | | | | |
| 24 | 3561.11 | 2 | | | | | | 0 PPM | 1315 |
| 30 | | | | | | | | | |
| 36 | 3561.12 | 3 | | | | | | 0 PPM | 1315 |
| 42 | | | SAND, med./ coarse - orange w/ small md. gravels | | | | | | |
| 48 | | | SAND, Well Graded, coarse - orange w/ small md. gravels | | | | | | |
| 54 | | | Groundwater Sample H2O @ 45" | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3561.13 | 4 | | | | | | 0 PPM | 1325 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b058.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B59



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-11-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3561.14 | 1 | SAND, fine/ medium - dk. brown | | | | | 0 PPM | 1410 |
| 12 | | | | | | | | | |
| 18 | | | SAND, Well Graded, medium - orange - w/ small rnd. gravels | | | | | | |
| 24 | 3561.15 | 2 | | | | | | 0 PPM | 1420 |
| 30 | | | SAND, med./ coarse - orange w/ small rnd. gravels | | | | | | |
| 36 | 3561.16 | 3 | | | | | | 0 PPM | 1420 |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 45" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3561.17 | 4 | | | | | | 0 PPM | 1430 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b059.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B60



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3567.02 | 1 | SAND, med./ fine - or./ brown | | | | | 0 PPM | 0930 |
| 12 | | | | | | | | | |
| 18 | | | CLAYEY SILT, - orange | | | | | | |
| 24 | 3567.03 | 2 | | | | | | 0 PPM | 0943 |
| 30 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 36 | | | | | | | | | |
| 42 | 3567.04 | 3 | | | | | | 0 PPM | 0943 |
| 48 | | | | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3567.05 | 4 | | | | | | 0 PPM | 0950 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b060.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B61



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-14-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | CLAYEY SAND, fine - olive green/ brown | | | | | | |
| 6 | | | | | | | | | |
| | 3567.06 | 1 | | | | | | 0 PPM | 1038 |
| 12 | | | | | | | | | |
| 18 | | | CLAYEY SILT, olive green/ orange | | | | | | |
| | | | SAND, Well Graded, medium - orange | | | | | | |
| 24 | 3567.07 | 2 | SAND, med./ fine - orange | | | | | 0 PPM | 1045 |
| 30 | | | | | | | | | |
| 36 | 3567.08 | 3 | | | | | | 0 PPM | 1050 |
| | | | SAND, med./ coarse - orange w/ small rnd. gravels | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3567.09 | 4 | | | | | | 0 PPM | 1059 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b061.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B62



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-14-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | CINDERS | | | | | | |
| 6 | | | SAND, med./ coarse - orange | | | | | | |
| | 3567.10 | 1 | CLAYEY SAND, fine - olive green | | | | | 0 PPM | 1135 |
| 12 | | | | | | | | | |
| | | | SAND, medium - iron stained | | | | | | |
| 18 | | | | | | | | | |
| | | | SAND, Well Graded, medium - dk. olive green | | | | | | |
| 24 | 3567.11 | 2 | SAND, med./ fine - ol. green/ orange w/ small rnd. gravels | | | | | 2 PPM | 1140 |
| 30 | 3567.12 | 3 | | | | | | 0 PPM | 1140 |
| 36 | | | | | | | | | |
| | | | CLAYEY SAND, fine - black w/ organic matl. present | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 42" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3367.13 | 4 | | | | | | 0 PPM | 1150 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b062.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B63



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-14-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | LEAF DEBRIS | | | | | | |
| 6 | | | SAND, medium - dk. brown | | | | | | |
| 12 | 3567.14 | 1 | | | | | | 200 PPM | 1330 |
| 18 | 3567.15 | 2 | | | | | | 800 PPM | 1405 |
| 24 | 3567.16 | 3 | SAND, medium - or./ brown | | | | | 500 PPM | 1410 |
| 30 | 3567.17 | 4 | | | | | | 700 PPM | 1410 |
| 36 | | | | | | | | | |
| 42 | | | SAND, med./ coarse - olive green/ tan w/ small sub- rnd. gravels | | | | | | |
| 48 | | | SAND, coarse - orange w/ small rnd. gravels | | | | | | |
| 54 | | | Groundwater Sample H2O @ 42" | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3567.18 | 5 | | | | | | 0 PPM | 1420 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b063.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B64



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-14-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | | | SAND, medium - dk. brown | | | | | | |
| | 3567.19 | 1 | | | | | | 0 PPM | 1505 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| | | | SAND, medium - tan/ orange | | | | | | |
| 24 | 3567.20 | 2 | | | | | | 0 PPM | 1510 |
| 30 | 3567.21 | 3 | | | | | | 0 PPM | 1510 |
| 36 | | | | | | | | | |
| | | | SAND, medium - orange w/ small rnd. gravels | | | | | | |
| 42 | | | | | | | | | |
| | | | SAND, coarse - orange | | | | | | |
| 48 | | | Groundwater Sample H2O @ 42" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3567.22 | 4 | | | | | | 0 PPM | 1517 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b064.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B65



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-15-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF w/ cinders | | | | | | |
| 6 | 3571.02 | 1 | SAND, medium - iron stained | | | | | 0 PPM | 1020 |
| 12 | | | | | | | | | |
| 18 | | | SAND, fine dk. brown w/ coal frags. | | | | | | |
| 24 | 3571.03 | 2 | | | | | | 0 PPM | 1035 |
| | | | SAND, Well Graded, medium - tan | | | | | | |
| 30 | 3571.04 | 3 | | | | | | 0 PPM | 1035 |
| 36 | | | | | | | | | |
| 42 | | | | | | | | | |
| | | | SILTY SAND, brown | | | | | | |
| 48 | | | Groundwater Sample H2O @ 42" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3571.05 | 4 | | | | | | 0 PPM | 1040 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b065.bor

000194

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B66



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-15-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF w/ cinders | | | | | | |
| 6 | 3571.06 | 1 | SAND, medium - or./ dk. brown | | | | | 0 PPM | 1130 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3571.07 | 2 | SAND, medium dk. brown/ tan. | | | | | 0 PPM | 1138 |
| 30 | 3571.08 | 3 | SAND, Well Graded, medium - tan | | | | | 0 PPM | 1138 |
| 36 | | | | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 42" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3571.09 | 4 | | | | | | 0 PPM | 1148 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b066.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B67



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-15-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF w/ cinders | | | | | | |
| 6 | 3571.10 | 1 | SAND, medium - iron stained | | | | | 0 PPM | 1340 |
| 12 | | | | | | | | | |
| 18 | | | SAND, medium dk. brown | | | | | | |
| 24 | 3571.11 | 2 | SAND, Well Graded, medium - tan | | | | | 0 PPM | 1350 |
| 30 | | | | | | | | | |
| 36 | | 3 | SAND, med./ coarse w/ small rnd. gravels | | | | | | |
| 42 | | | SAND, medium - gray<br>SAND, Well Graded, coarse - orange w/ small rnd. gravels | | | | | | |
| 48 | | | Groundwater Sample H2O @ 32" | | | | | | |
| 54 | 3571.12 | | | | | | | 0 PPM | 1400 |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b067.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B68



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-15-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | CINDERS and mixed sands | | | | | | |
| 6 | 3571.13 | 1 | | | | | | 0 PPM | 1430 |
| 12 | | | SAND, medium - orange | | | | | | |
| 18 | | | SAND, medium blk./ gray | | | | | | |
| | | | CLAYEY SAND, fine - olive green | | | | | | |
| 24 | 3571.14 | 2 | SAND, fine - blk./ dk. gray | | | | | 0 PPM | 1440 |
| 30 | 3571.15 | 3 | SAND, Well Graded, medium - tan | | | | | 0 PPM | 1440 |
| 36 | | | SAND, medium - tan/ olive green | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3571.16 | 4 | | | | | | 0 PPM | 1450 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b068.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B69



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-15-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3571.17 | 1 | SAND, medium - dk. brown | | | | | 0 PPM | 1520 |
| 12 | | | | | | | | | |
| 18 | | | SAND, medium - orange | | | | | | |
| 24 | 3571.18 | 2 | | | | | | 0 PPM | 1530 |
| 30 | 3571.19 | 3 | | | | | | 0 PPM | 1530 |
| 36 | | | SAND, med./ coarse - orange w/ small md. gravels | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 40" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3571.20 | 4 | | | | | | 0 PPM | 1540 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b069.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B70



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-18-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3576.02 | 1 | SAND, medium/ fine - orange | | | | | 0 PPM | 1025 |
| 12 | | | | | | | | | |
| 18 | | | CLAYEY SILT, - olive green | | | | | | |
| | | | SAND, and cinders | | | | | | |
| 24 | 3576.03 | 2 | | | | | | 0 PPM | 1035 |
| | | | SAND, fine w/ some cinders | | | | | | |
| 30 | 3576.04 | 3 | | | | | | 0 PPM | 1040 |
| 36 | | | CINDERS and mixed sands | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3576.05 | 4 | | | | | | 0 PPM | 1050 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b070.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B71



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-18-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF/ clayey fine sand - olive green | | | | | | |
| 6 | | | CLAYEY SILT, and fine sand - brown/ orange | | | | | | |
| 12 | 3576.06 | 1 | | | | | | 0 PPM | 1120 |
| 18 | | | SAND, fine/ medium - w/ some clay - or./ olive green | | | | | | |
| | | | CINDERS, coal frags, and burnt matl. | | | | | | |
| 24 | 3576.07 | 2 | | | | | | 0 PPM | 1135 |
| 30 | 3576.08 | 3 | | | | | | 0 PPM | 1140 |
| 36 | | | | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 40" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3576.09 | 4 | | | | | | 0 PPM | 1045 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b071.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B72



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-18-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3576.10 | 1 | SAND, fine/ medium - tan/ brown w/ some cinder material | | | | | 0 PPM | 1340 |
| 12 | | | | | | | | | |
| 18 | | | SAND, medium - orange | | | | | | |
| 24 | 3576.11 | 2 | SANDY CLAY, fine - olive green w/ wood debris | | | | | 0 PPM | 1355 |
| | | | SANDY SILT, - brown w/ brick debris | | | | | | |
| 30 | 3576.12 | 3 | SANDS, mixed w/ cinders and small angular gravels | | | | | 0 PPM | 1400 |
| 36 | | | | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 38" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3576.13 | 4 | | | | | | 0 PPM | 1410 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b072.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B73



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-18-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | SAND, medium - orange/ dk. brown | | | | | | |
| 6 | 3576.14 | 1 | | | | | | 0 PPM | 1510 |
| 12 | | | | | | | | | |
| 18 | | | SAND, medium - dk. brown w/ small angular gravels | | | | | | |
| 24 | 3576.15 | 2 | SAND, medium - olive green | | | | | 0 PPM | 1518 |
| 30 | | | SAND, med./ fine - or./ tan | | | | | | |
| 36 | | | | | | | | | |
| 42 | | | SAND, med./ coarse - tan | | | | | | |
| 48 | | | Groundwater Sample H2O @ 30" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3576.16 | 3 | | | | | | 0 PPM | 1523 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b073.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B74



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-19-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | SANDS and cinders | | | | | | |
| 6 | 3580.02 | 1 | SAND, fine/ medium - brown/ orange | | | | | 0 PPM | 0845 |
| 12 | | | | | | | | | |
| 18 | | | SAND, fine/ medium - dk. brown/ olive green | | | | | | |
| 24 | 3580.03 | 2 | SAND, med./ fine - tan w/ small md. gravels | | | | | 0 PPM | 0850 |
| 30 | | | | | | | | | |
| 36 | | | SAND, coarse - tan | | | | | | |
| 42 | | | | | | | | | |
| | 3580.04 | 3 | | | | | | 0 PPM | 0900 |
| 48 | | | Groundwater Sample H2O @ 30" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5m5-b074.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B75



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-19-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF and cinders | | | | | | |
| 6 | 3580.05 | 1 | SAND, med./ fine - tan/ orange | | | | | 0 PPM | 0930 |
| 12 | | | | | | | | | |
| 18 | | | SAND, medium - orange/ tan | | | | | | |
| 24 | 3580.06 | 2 | | | | | | 0 PPM | 0940 |
| 30 | | | | | | | | | |
| 36 | | | SAND, medium - tan/ orange w/ small rnd. gravels | | | | | | |
| 42 | | | | | | | | | |
| 48 | 3580.07 | 3 | Groundwater Sample H2O @ 30" | | | | | 0 PPM | 0950 |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b075.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B76



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-19-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF and cinders | | | | | | |
| 6 | | | SAND, med./ fine - tan/ orange | | | | | | |
| 12 | 3580.08 | 1 | | | | | | 0 PPM | 1050 |
| 18 | | | SAND, medium - orange/ tan | | | | | | |
| 24 | 3580.09 | 2 | | | | | | 0 PPM | 1103 |
| 30 | | | | | | | | | |
| 36 | | | SAND, medium - tan/ orange w/ small md. gravels | | | | | | |
| 42 | | | | | | | | | |
| 48 | 3580.10 | 3 | | | | | | 0 PPM | 1108 |
| 54 | | | Groundwater Sample H2O @ 30" | | | | | | |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b076.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B77



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-19-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF and cinders | | | | | | |
| 6 | 3580.11 | 1 | SAND, med./ fine - olive green/ orange | | | | | 0 PPM | 1140 |
| 12 | | | | | | | | | |
| 18 | | | SAND, fine - tan | | | | | | |
| 24 | | | | | | | | | |
| 30 | 3580.12 | 2 | SAND, medium and silty clay - dk. gray, w/ cinders | | | | | 0 PPM | 1150 |
| 36 | | | SAND, medium and silty clay - dk. brown | | | | | | |
| 42 | | | | | | | | | |
| 48 | 3580.13 | 3 | Groundwater Sample H20 @ 34" | | | | | 0 PPM | 1200 |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b077.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B78



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-19-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | SAND, med./ fine - or./ brown w/ small md. gravels | | | | | | |
| 6 | 3580.14 | 1 | | | | | | 0 PPM | 1320 |
| 12 | | | | | | | | | |
| 18 | | | SAND, medium - orange | | | | | | |
| 24 | 3580.15 | 2 | | | | | | 0 PPM | 1325 |
| 30 | | | | | | | | | |
| | | | SAND, medium/ fine w/ cinders and black silt matl. | | | | | | |
| 36 | 3580.16 | 3 | | | | | | 2 PPM | 1330 |
| | | | SAND, medium and silty clay - dk. brown | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H20 @ 42" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3580.17 | 4 | | | | | | 0 PPM | 1340 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\vn5-b078.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B79



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-19-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3580.18 | 1 | SAND, medium - orange | | | | | 0 PPM | 1415 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3580.19 | 2 | | | | | | 0 PPM | 1420 |
| 30 | | | | | | | | | |
| 36 | 3580.20 | 3 | | | | | | 0 PPM | 1420 |
| 42 | | | COAL and cinders - black | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3580.21 | 4 | | | | | | 0 PPM | 1430 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b079.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B80



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-19-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3580.22 | 1 | SAND, medium - orange | | | | | 0 PPM | 1540 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3580.23 | 2 | | | | | | 0 PPM | 1545 |
| 30 | | | | | | | | | |
| 36 | 3580.24 | 3 | CLAYEY SILT, fine - dk. gray/ black | | | | | 0 PPM | 1548 |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 38" | | | | | | |
| 54 | 3580.25 | 4 | | | | | | 0 PPM | 1555 |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5vm5-b080.bor

000209

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B81



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-19-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3580.26 | 1 | SAND, fine/ medium - or./ lt olive green | | | | | 0 PPM | 1700 |
| 12 | | | | | | | | | |
| 18 | | | CLAYEY SAND, fine - ol. green | | | | | | |
| 24 | 3580.27 | 2 | | | | | | 0 PPM | 1705 |
| 30 | | | SAND, medium - orange/ tan w/ mottled iron stained lens | | | | | | |
| 36 | 3580.28 | 3 | | | | | | 0 PPM | 1710 |
| 42 | | | SAND, med./ coarse - olive green/ orange | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3580.29 | 4 | | | | | | 0 PPM | 1715 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b081.bor

000210

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B82



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-19-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3580.30 | 1 | SAND, med./ fine - or./ tan | | | | | 0 PPM | 1725 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3580.31 | 2 | | | | | | 0 PPM | 1735 |
| 30 | | | SAND, medium - tan/ orange | | | | | | |
| 36 | 3580.32 | 3 | | | | | | 0 PPM | 1740 |
| 42 | | | SAND, medium - ol. green/ tan | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3580.33 | 4 | | | | | | 0 PPM | 1750 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5vm5-b082.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B83



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-19-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3580.34 | 1 | SAND, medium - or./ tan | | | | | 0 PPM | 1830 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3580.35 | 2 | | | | | | 0 PPM | 1845 |
| 30 | | | | | | | | | |
| 36 | 3580.36 | 3 | SAND, medium/ coarse - tan | | | | | 0 PPM | 1850 |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 40" | | | | | | |
| 54 | 3580.37 | 4 | | | | | | 0 PPM | 1900 |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b083.bor

000212

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B84



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-20-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | | | SAND, medium/ fine - tan/ dk. brown | | | | | | |
| | 3584.02 | 1 | | | | | | 0 PPM | 0910 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3584.03 | 2 | SAND, medium - tan | | | | | 0 PPM | 0915 |
| | | | CLAYEY SILT, black | | | | | | |
| | | | SAND, Well Graded, medium - gray/ tan | | | | | | |
| 30 | 3584.04 | 3 | | | | | | 0 PPM | 0920 |
| 36 | | | | | | | | | |
| 42 | | | SAND, Well Graded, coarse - or./ tan | | | | | | |
| 48 | | | Groundwater Sample H2O @ 40" | | | | | | |
| 54 | 3584.05 | 4 | | | | | | 0 PPM | 0930 |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b084.bor

000213

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B85



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-20-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3584.06 | 1 | SAND, fine/ medium - orange | | | | | 0 PPM | 1015 |
| 12 | | | | | | | | | |
| 18 | | | CLAYEY SAND, fine - orange | | | | | | |
| 24 | 3584.07 | 2 | SAND, med./ fine - orange | | | | | 0 PPM | 1025 |
| 30 | | | | | | | | | |
| 36 | 3584.08 | 3 | | | | | | 0 PPM | 1030 |
| 42 | | | CLAY and silt, fine - orange | | | | | | |
| 48 | | | SAND, medium - olive green | | | | | | |
| 54 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3584.09 | 4 | | | | | | 0 PPM | 1040 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b085.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B86



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-20-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | | | SAND, med./ fine - orange | | | | | | |
| | 3584.10 | 1 | | | | | | 0 PPM | 1135 |
| 12 | | | | | | | | | |
| 18 | | | CINDERS | | | | | | |
| 24 | 3584.11 | 2 | | | | | | 0 PPM | 1145 |
| 30 | | | SAND, medium - orange | | | | | | |
| 36 | 3584.12 | 3 | CLAYEY SILT, dk. gray/ black | | | | | 0 PPM | 1150 |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 40" | | | | | | |
| 54 | 3584.13 | 4 | | | | | | 0 PPM | 1158 |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b086.bor

000215

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B87



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-20-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3584.14 | 1 | SAND, med./ fine - orange | | | | | 0 PPM | 1310 |
| 12 | | | | | | | | | |
| 18 | | | CINDERS | | | | | | |
| 24 | 3584.15 | 2 | | | | | | 0 PPM | 1315 |
| 30 | | | SAND, medium - orange | | | | | | |
| 36 | 3584.16 | 3 | CLAYEY SILT, dk. gray/ black | | | | | 0 PPM | 1320 |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 40" | | | | | | |
| 54 | 3584.17 | 4 | | | | | | 0 PPM | 1330 |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b087.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B88



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-20-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | CINDERS | | | | | | |
| 6 | 3584.18 | 1 | | | | | | 0 PPM | 1420 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| | | | SAND, fine - or./ brown | | | | | | |
| 24 | 3584.19 | 2 | | | | | | 0 PPM | 1430 |
| | | | CINDERS | | | | | | |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| | | | CINDER matl. w/ some clayey silt and fine sand dk. gray/ black | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 33" | | | | | | |
| 54 | 3584.21 | 3 | | | | | | 0 PPM | 1445 |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b088.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B89



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-20-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | CINDERS | | | | | | |
| 6 | | | | | | | | | |
| | 3584.22 | 1 | | | | | | 0 PPM | 1525 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3584.23 | 2 | CLAYEY SAND, fine - olive green | | | | | 0 PPM | 1530 |
| 30 | 3584.24 | 3 | | | | | | 3 PPM | 1539 |
| 36 | | | | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 33" | | | | | | |
| 54 | 3584.25 | 4 | | | | | | 0 PPM | 1543 |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH\SM\5m5-b089.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B90



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-20-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | SAND,fine - lt. brown | | | | | | |
| 6 | | 1 | | 3584.26 | | | | 0 PPM | 1612 |
| 12 | | | SAND, fine - reddish color [poss. degraded brick] | | | | | | |
| 18 | | | SANDY SILT, dk. brown and loamy fill matl. | | | | | | |
| 24 | | 2 | | 3584.27 | | | | 0 PPM | 1618 |
| | | | CLAYEY SILT, fine reddish color | | | | | | |
| 30 | | 3 | | 3584.28 | | | | 0 PPM | 1623 |
| | | | SAND, medium - brown w/ glass frags. | | | | | | |
| 36 | | | CINDERS | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 38" | | | | | | |
| 54 | | 4 | | 3584.29 | | | | 0 PPM | 1635 |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH\5M\5m5-b090.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B91



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-20-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | 3584.30 | 1 | SAND,med./ fine - dk. brown | | | | | 0 PPM | 1700 |
| 12 | | | | | | | | | |
| 18 | | | CLAYEY SAND, fine - olive green | | | | | | |
| | | | SAND, Well Graded, medium - brown | | | | | | |
| 24 | 3584.31 | 2 | | | | | | 0 PPM | 1705 |
| | | | SAND, Well Graded, medium - orange | | | | | | |
| 30 | 3584.32 | 3 | | | | | | 0 PPM | 1710 |
| 36 | | | SAND, medium/ coarse - tan | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 38" | | | | | | |
| 54 | 3584.33 | 4 | | | | | | 0 PPM | 1716 |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b091.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B92



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-20-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | CINDERS | | | | | | |
| 6 | 3584.34 | 1 | SAND, medium - brown | | | | | 0 PPM | 1730 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3584.35 | 2 | | | | | | 0 PPM | 1740 |
| | | | SAND, Well Graded, medium - orange | | | | | | |
| 30 | 3584.36 | 3 | | | | | | 0 PPM | 1745 |
| | | | SAND, med./ coarse - or./ tan | | | | | | |
| 36 | | | | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 38" | | | | | | |
| 54 | 3584.37 | 4 | | | | | | 0 PPM | 1755 |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b092.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B93



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-21-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | SAND, med./ fine - or./ brown | | | | | | |
| 6 | | | | | | | | | |
| | 3588.02 | 1 | | | | | | 0 PPM | 1110 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| | | | SANDY LOAM, fine - black [ organics present ] | | | | | | |
| 24 | 3588.03 | 2 | | | | | | 0 PPM | 1115 |
| | | | SAND, medium - brown | | | | | | |
| | | | SAND, medium - orange | | | | | | |
| 30 | 3588.04 | 3 | | | | | | 0 PPM | 1120 |
| | | | SAND, med./ coarse - olive green/ tan | | | | | | |
| 36 | | | | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | | | | | | | |
| | | | Groundwater Sample H2O @ 38" | | | | | | |
| 54 | 3588.05 | 4 | | | | | | 0 PPM | 1130 |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b093.bor

000222

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B94



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-21-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | SAND, med./ fine - or./ lt. brown | | | | | | |
| 6 | 3588.06 | 1 | | | | | | 0 PPM | 1310 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3588.07 | 2 | | | | | | 0 PPM | 1315 |
| | | | SAND, med. - orange | | | | | | |
| 30 | 3588.08 | 3 | | | | | | 0 PPM | 1320 |
| 36 | | | CLAYEY SAND, fine - orange | | | | | | |
| | | | SAND, fine - orange | | | | | | |
| | | | SAND, med./ coarse - olive green/ tan | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 38" | | | | | | |
| 54 | 3588.09 | 4 | | | | | | 0 PPM | 1330 |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b094.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B95



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-21-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | | | CINDERS, brick and coal debris | | | | | | |
| 12 | 3588.10 | 1 | | | | | | 0 PPM | 1420 |
| 18 | | | SAND, medium - tan | | | | | | |
| 24 | 3588.11 | 2 | | | | | | 0 PPM | 1425 |
| 30 | | | CLAY, tan | | | | | | |
| 36 | 3588.12 | 3 | | | | | | 0 PPM | 1430 |
| 42 | | | SILTY SAND, - orange w/ some cinder matl. | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3588.13 | 4 | | | | | | 0 PPM | 1440 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b095.bor

000224

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B96



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 5-21-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | SAND, med./ fine - brown | | | | | | |
| 6 | | | CINDERS | | | | | | |
| | 3588.14 | 1 | | | | | | 0 PPM | 1510 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| 24 | 3588.15 | 2 | | | | | | 0 PPM | 1515 |
| 30 | | | | | | | | | |
| 36 | 3588.16 | 3 | | | | | | 0 PPM | 1520 |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3588.17 | 4 | | | | | | 0 PPM | 1530 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b096.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B97



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-21-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | SAND, fine - tan w/ cinders | | | | | | |
| 6 | | | | | | | | | |
| | 3588.18 | 1 | | | | | | 0 PPM | 1600 |
| 12 | | | | | | | | | |
| 18 | | | CINDERS | | | | | | |
| 24 | 3588.19 | 2 | | | | | | 0 PPM | 1610 |
| 30 | 3588.20 | 3 | | | | | | 3 PPM | 1615 |
| 36 | | | SAND, fine - black w/ cinders | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3588.21 | 4 | | | | | | 0 PPM | 1620 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b097.bor

000226

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B98



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-21-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| 6 | | | CINDERS | | | | | | |
| 12 | 3588.22 | 1 | | | | | | 0 PPM | 1650 |
| 18 | | | | | | | | | |
| 24 | 3588.23 | 2 | | | | | | 0 PPM | 1700 |
| 30 | | | CLAYEY SAND, fine - olive green/ orange [mottled] | | | | | | |
| 36 | 3588.24 | 3 | | | | | | 0 PPM | 1705 |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 46" | | | | | | |
| 54 | | | | | | | | | |
| 60 | | | | | | | | | |
| 66 | 3588.25 | 4 | | | | | | 0 PPM | 1711 |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b098.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B99



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 5-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | VOA+15 | METALS | PEST,PCB,BNA | %-SOLIDS | HNU | TIME |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | TURF | | | | | | |
| | | | SAND, med./ fine and cinders | | | | | | |
| 6 | 3593.02 | 1 | | | | | | 0 PPM | 0920 |
| 12 | | | | | | | | | |
| 18 | | | | | | | | | |
| | | | CLAYEY SAND, medium - olive green/ yl. orange | | | | | | |
| 24 | 3593.03 | 2 | | | | | | 0 PPM | 0930 |
| | | | CLAYEY SAND, fine - olive green | | | | | | |
| 30 | | | | | | | | | |
| 36 | | | | | | | | | |
| 42 | | | | | | | | | |
| 48 | | | Groundwater Sample H2O @ 33" | | | | | | |
| 54 | 3593.04 | 3 | | | | | | 0 PPM | 0938 |
| 60 | | | | | | | | | |
| 66 | | | | | | | | | |
| 72 | | | | | | | | | |
| 78 | | | | | | | | | |
| 84 | | | | | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b099.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B-158



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 6-17-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, medium/fine - dark gray with some gravel | | |
| 6 | | | SAND, medium - brown | | |
| 12 | 3665.12 | 1 | | 0 PPM | 1505 |
| 18 | | | SAND, medium/fine - orange | | |
| 24 | 3665.13 | 2 | | 0 PPM | 1510 |
| 30 | 3665.14 | 3 | | 0 PPM | 1520 |
| 36 | | | SAND, medium/coarse - orange/olive green | | |
| 42 | | | SAND, coarse - with some gravel | | |
| 48 | 3665.15 | 4 | Groundwater Sample H2O @33" | 0 PPM | 1530 |
| 54 | | | | | |
| 60 | | | | | |
| 66 | | | | | |
| 72 | | | | | |
| 78 | | | | | |
| 84 | | | | | |
| 90 | | | | | |
| 96 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b158.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B-159



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 6-17-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF SILTY SAND, fine - dark brown | | |
| 6 | | | CINDER MATERIAL | | |
| | 3665.16 | 1 | | 0 PPM | 1615 |
| 12 | | | SAND, medium/fine - orange | | |
| 18 | | | | | |
| 24 | 3665.17 | 2 | | 0 PPM | 1620 |
| 30 | | | SAND, medium/coarse - orange with some gravel | | |
| 36 | | | | | |
| 42 | 3665.18 | 3 | | 0 PPM | 1630 |
| 48 | | | Groundwater Sample H2O @ 26" | | |
| 54 | | | | | |
| 60 | | | | | |
| 66 | | | | | |
| 72 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b159.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B-160



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 6-17-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| | | | SAND, medium/fine - orange/brown | | |
| 6 | 3665.19 | 1 | | 0 PPM | 1700 |
| 12 | | | | | |
| 18 | | | | | |
| | | | SAND, medium - orange | | |
| 24 | 3665.20 | 2 | | 0 PPM | 1710 |
| 30 | | | SAND, medium/fine - dark brown with some silt | | |
| 36 | | | | | |
| | | | SAND, medium/coarse - brown/olive green | | |
| 42 | 3665.21 | 3 | | 0 PPM | 1715 |
| 48 | | | Groundwater Sample H2O @ 26" | | |
| 54 | | | | | |
| 60 | | | | | |
| 66 | | | | | |
| 72 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b160.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B-161



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 6-17-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| | | | SAND, medium/fine - orange with some round gravel | | |
| 6 | 3665.22 | 1 | | 0 PPM | 1755 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3665.23 | 2 | | 0 PPM | 1805 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | 3665.24 | 3 | | 0 PPM | 1815 |
| 48 | | | Groundwater Sample H2O @ 27" | | |
| 54 | | | | | |
| 60 | | | | | |
| 66 | | | | | |
| 72 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b161.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B-162



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 6-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | Mixed sands and cinders | | |
| 6 | 3686.04 | 1 | | 0 PPM | 1140 |
| 12 | | | | | |
| 18 | 3686.05 | 2 | | 0 PPM | 1145 |
| 24 | | | | | |
| 30 | | | | | |
| 36 | 3686.06 | 3 | | 0 PPM | 1158 |
| 42 | | | | | |
| 48 | | | Groundwater Sample H2O @ 18" | | |
| 54 | | | | | |
| 60 | | | | | |
| 66 | | | | | |
| 72 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b162.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B-163



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 6-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | Mixed sands silts and clays with building debris throughout | | |
| 6 | 3686.07 | 1 | | 0 PPM | 1315 |
| 12 | | | | | |
| 18 | 3686.08 | 2 | | 0 PPM | 1330 |
| 24 | | | | | |
| 30 | | | | | |
| 36 | 3686.09 | 3 | | 0 PPM | 1345 |
| 42 | | | | | |
| 48 | | | Groundwater Sample H2O @ 19" | | |
| 54 | | | | | |
| 60 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b163.bor

000234

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B-164



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 6-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | | | |
| 6 | 3686.10 | 1 | SAND, fine - gray | 0 PPM | 1425 |
| 12 | | | | | |
| 18 | | | SAND, medium - orange | | |
| 24 | 3686.11 | 2 | | 0 PPM | 1430 |
| 30 | | | | | |
| 36 | 3686.12 | 3 | | 0 PPM | 1440 |
| 42 | | | SAND, medium/coarse - orange | | |
| 48 | | | Groundwater Sample H2O @ 37" | | |
| 54 | 3686.13 | 4 | | 0 PPM | 1450 |
| 60 | | | | | |
| 66 | | | | | |
| 72 | | | | | |
| 78 | | | | | |
| 84 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b164.bor

000235

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B-165



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 6-29-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, medium/fine - orange brown | | |
| 6 | 3688.02 | 1 | | 0 PPM | 1035 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3688.03 | 2 | | 0 PPM | 1045 |
| | | | SAND, medium - orange | | |
| 30 | | | | | |
| 36 | 3688.04 | 3 | | 0 PPM | 1050 |
| | | | SAND, medium/coarse - orange with some gravel | | |
| 42 | | | | | |
| 48 | | | Groundwater Sample H2O @ 36" | | |
| 54 | 3688.05 | 4 | | 0 PPM | 1100 |
| 60 | | | | | |
| 66 | | | | | |
| 72 | | | | | |
| 78 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b165.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B-166



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 6-29-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SANDY SILT, fine - brown | | |
| 6 | 3688.06 | 1 | SAND and CINDERS - black | 0 PPM | 1127 |
| 12 | | | | | |
| 18 | | | SAND, medium/fine - CLAYEY SILT, orange | | |
| 24 | 3688.07 | 2 | | 0 PPM | 1135 |
| 30 | | | SAND, medium - orange | | |
| | | | TREE ROOT MATERIAL | | |
| 36 | | | SAND, medium/fine - dark gray/black | | |
| | 3688.08 | 3 | | 0 PPM | 1145 |
| | | | SAND, medium/coarse - light gray with some gravel | | |
| 42 | | | SAND, medium/coarse - olive green/orange | | |
| 48 | | | Groundwater Sample H2O @ 25" | | |
| 54 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b166.bor

000237

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B-167



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 6-29-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, medium/fine - orange/brown | | |
| 6 | 3688.09 | 1 | | 0 PPM | 1310 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3688.10 | 2 | MIXED SANDS, CINDERS and Fill Materials | 0 PPM | 1315 |
| 30 | | | | | |
| 36 | 3688.11 | 3 | | 0 PPM | 1320 |
| 42 | | | SANDY SILT, fine - black | | |
| 48 | | | Groundwater Sample H2O @ 25" | | |
| 54 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b167.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B-168



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 6-29-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| | | | SAND, mixed with cinders and glass with some silts | | |
| 6 | 3688.12 | 1 | | 0 PPM | 1335 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3688.13 | 2 | | 0 PPM | 1345 |
| 30 | | | | | |
| 36 | 3688.14 | 3 | | 0 PPM | 1355 |
| 42 | | | | | |
| | | | SANDY SILT, black | | |
| 48 | | | Groundwater Sample H2O @ 26" | | |
| 54 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b168.bor

000239

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B-169



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 6-29-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF, SANDY SILT, fine - brown | | |
| 6 | | | SANDS & CINDERS | | |
| | 3688.15 | 1 | | 0 PPM | 1440 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3688.16 | 2 | | 0 PPM | 1450 |
| 30 | | | | | |
| 36 | | | | | |
| | 3688.17 | 3 | | 0 PPM | 1500 |
| 42 | | | | | |
| | | | SILTY SAND, fine - black | | |
| 48 | | | Groundwater Sample H2O @ 26" | | |
| 54 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b169.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B-178



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 7-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SILTY SAND, fine - with < 2% coal fragments | | |
| 6 | 3722.12 | 1 | | 0 PPM | 1345 |
| 12 | | | SAND, medium/fine - orange/tan | | |
| 18 | | | | | |
| 24 | 3722.13 | 2 | | 0 PPM | 1350 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | 3722.14 | 3 | Groundwater sample H2O @ 30" | 0 PPM | 1400 |
| 54 | | | | | |
| 60 | | | | | |
| 66 | | | | | |
| 72 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b178.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B-179



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 7-13-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SILTY SAND, fine - gray | | |
| 6 | 3722.15 | 1 | | 0 PPM | 1415 |
| 12 | | | SAND, medium/fine - orange/tan | | |
| 18 | | | | | |
| 24 | 3722.16 | 2 | | 0 PPM | 1425 |
| 30 | | | SAND, medium/fine iron staining | | |
| | | | SAND, coarse - tan with some gravels | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | 3722.17 | 3 | Groundwater sample H2O @ 30" | 0 PPM | 1435 |
| 54 | | | | | |
| 60 | | | | | |
| 66 | | | | | |
| 72 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b179.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B-180



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 7-13-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SILTY SAND, fine - gray/brown | | |
| 6 | 3722.18 | 1 | | 0 PPM | 1510 |
| 12 | | | | | |
| 18 | | | SAND, medium/fine - orange | | |
| 24 | 3722.19 | 2 | | 0 PPM | 1515 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | 3722.20 | 3 | Groundwater sample H2O @ 30" | 0 PPM | 1525 |
| 54 | | | | | |
| 60 | | | | | |
| 66 | | | | | |
| 72 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b180.bor

000243

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5-B-181



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 7-13-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | | | |
| 6 | 3722.21 | 1 | SILTY SAND, fine - brown | 0 PPM | 1540 |
| 12 | | | | | |
| 18 | | | SANDY SILT, fine - orange | | |
| 24 | 3722.22 | 2 | | 0 PPM | 1545 |
| 30 | | | SAND, medium - tan with some gravel | | |
| 36 | | | SAND, medium/coarse - tan/orange | | |
| 42 | | | | | |
| 48 | 3722.23 | 3 | Groundwater sample H2O @ 30" | 0 PPM | 1555 |
| 54 | | | | | |
| 60 | | | | | |
| 66 | | | | | |
| 72 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b181.bor

000244

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B197



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-12-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, and silt | | |
| 6 | | | | | |
| | 3805.02 | 1 | Cinders | 0 PPM | 0935 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3805.03 | 2 | | 0 PPM | 0940 |
| 30 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b197.bor

000245

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B198



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-12-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, and silt | | |
| 6 | | | | | |
| | 3805.04 | 1 | Cinders | 0 PPM | 0957 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3805.05 | 2 | | 0 PPM | 0955 |
| 30 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b198.bor

000246

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B199



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-12-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, and silt | | |
| 6 | | | | | |
| | 3805.06 | 1 | Cinders | 0 PPM | 1012 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3805.07 | 2 | | 0 PPM | 1015 |
| 30 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-b199.bor

000247

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B200



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-12-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, and silt | | |
| 6 | | | | | |
| | 3805.08 | 1 | Cinders | 0 PPM | 1012 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3805.09 | 2 | | 0 PPM | 1015 |
| 30 | | | | | |

02-26-1999 X:\MTECH5\M5\m5-b200.bor

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B201



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-12-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, and silt | | |
| 6 | | | | | |
| | | | Cinders | | |
| | 3805.10 | 1 | | 0 PPM | 1105 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3805.11 | 2 | | 0 PPM | 1110 |
| 30 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B201.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B202



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-12-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, and silt | | |
| 6 | | | | | |
| | 3805.12 | 1 | Cinders | 0 PPM | 1132 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3805.13 | 2 | | 0 PPM | 1137 |
| 30 | | | | | |

02-25-1999 X:\MTECH5\M5\W5-B202.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B203



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-12-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| | | | Mixed sands and cinders | | |
| 6 | 3805.14 | 1 | | 0 PPM | 1259 |
| 12 | | | | | |
| | | | CINDERS | | |
| 18 | | | | | |
| 24 | 3805.15 | 2 | | 0 PPM | 1302 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B203.BOR

000251

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B204



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 8-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| | | | CINDERS | | |
| 6 | 3805.16 | 1 | | 0 PPM | 1317 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3805.17 | 2 | | 0 PPM | 1320 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B204.BOR

000252

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B205



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 8-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| | | | CINDERS | | |
| 6 | 3805.18 | 1 | | 0 PPM | 1334 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3805.19 | 2 | | 0 PPM | 1338 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B205.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B206



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-12-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| | | | CINDERS | | |
| 6 | 3805.20 | 1 | | 0 PPM | 1350 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3805.21 | 2 | | 0 PPM | 1355 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\m5-206.bor

000254

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B207



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-12-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| | | | CINDERS | | |
| 6 | 3805.22 | 1 | | 0 PPM | 1429 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3805.23 | 2 | | 0 PPM | 1430 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B207.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B208



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-12-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| 6 | | | CINDERS | | |
| | 3805.24 | 1 | | 0 PPM | 1429 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3805.25 | 2 | | 0 PPM | 1437 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH\5\M5\M5-B208.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B209



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-12-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| 6 | | | CINDERS | | |
| | 3805.26 | 1 | | 0 PPM | 1453 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3805.27 | 2 | | 0 PPM | 1505 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B209.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B210



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 8-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| 6 | | | CINDERS | | |
| | 3805.28 | 1 | | 0 PPM | 1514 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3805.29 | 2 | | 0 PPM | 1520 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B210.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B211



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 8-12-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| 6 | | | CINDERS | | |
| 12 | 3805.30 | 1 | | 0 PPM | 1530 |
| 18 | | | | | |
| 24 | 3805.31 | 2 | | 0 PPM | 1540 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B211.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B212



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-13-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| | | | CINDERS | | |
| 6 | 3809.02 | 1 | | 0 PPM | 1044 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3809.03 | 2 | | 0 PPM | 1048 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B212.BOR

000260

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B213



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-13-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | TURF | | |
| | | | CINDERS | | |
| 6 | 3809.04 | 1 | | 0 PPM | 1108 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3809.05 | 2 | | 0 PPM | 1113 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B213.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B214



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-13-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SANDY SILT, fine - brown | | |
| 6 | 3809.06 | 1 | SANDY SILT, w/ clay- brown | 0 PPM | 1125 |
| 12 | | | CLAYEY SILT, dk.brown | | |
| 18 | | | CINDERS | | |
| 24 | 3809.07 | 2 | | 0 PPM | 1128 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B214.BOR

000262

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B215



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-13-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - lt. brown | | |
| 6 | 3809.08 | 1 | SAND, medium/fine - orange | 0 PPM | 1150 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3809.09 | 2 | | 0 PPM | 1155 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B215.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B216



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-13-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - brown | | |
| 6 | 3809.10 | 1 | SAND, fine/ medium - orange | 0 PPM | 1306 |
| 12 | | | | | |
| 18 | | | CINDERS | | |
| 24 | 3809.11 | 2 | | 0 PPM | 1310 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B216.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B217



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-13-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - lt. brown | | |
| 6 | 3809.12 | 1 | | 0 PPM | 1320 |
| 12 | | | CINDERS | | |
| 18 | | | | | |
| 24 | 3809.13 | 2 | | 0 PPM | 1325 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-26-1999 X:\MTECH5\M5\M5-B217.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B218



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-13-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - lt. brown | | |
| 6 | 3809.14 | 1 | | 0 PPM | 1345 |
| 12 | | | CINDERS | | |
| 18 | | | | | |
| 24 | 3809.15 | 2 | | 0 PPM | 1350 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B217.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B219



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-13-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - brown | | |
| 6 | | | CINDERS | | |
| | 3809.16 | 1 | | 0 PPM | 1406 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3809.17 | 2 | | 0 PPM | 1410 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B219.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B220



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 8-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - brown w/ cinder, coal and fill matl. | | |
| 6 | 3809.18 | 1 | | 0 PPM | 1430 |
| 12 | | | CINDERS | | |
| 18 | | | | | |
| 24 | 3809.19 | 2 | | 0 PPM | 1440 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B220.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B221



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 8-13-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - brown | | |
| 6 | 3809.20 | 1 | | 0 PPM | 1520 |
| 12 | | | CINDERS | | |
| 18 | | | | | |
| 24 | 3809.21 | 2 | | 0 PPM | 1525 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B221.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B222



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-13-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - brown | | |
| 6 | 3809.22 | 1 | | 0 PPM | 1535 |
| 12 | | | CINDERS | | |
| 18 | | | | | |
| 24 | 3809.23 | 2 | | 0 PPM | 1545 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B222.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B223



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-14-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - brown | | |
| 6 | 3812.02 | 1 | CINDERS | 0 PPM | 1007 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3812.03 | 2 | | 0 PPM | 1010 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B223.BOR

000271

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B224



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-14-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - brown | | |
| 6 | 3812.04 | 1 | | 0 PPM | 1022 |
| 12 | | | SAND, fine - brown with some cinders | | |
| 18 | | | | | |
| 24 | 3812.05 | 2 | | 0 PPM | 1026 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B224.BOR

000272

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B225



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-14-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, medium/fine - brown | | |
| 6 | 3812.06 | 1 | | 0 PPM | 1046 |
| 12 | | | | | |
| 18 | | | | | |
| | | | CINDERS | | |
| 24 | 3812.07 | 2 | | 0 PPM | 1050 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B225.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B226



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 8-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, medium/fine - brown | | |
| 6 | 3812.08 | 1 | | 0 PPM | 1108 |
| 12 | | | CINDERS | | |
| 18 | | | | | |
| 24 | 3812.09 | 2 | | 0 PPM | 1110 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH\5\M5\M5-B226.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B227



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 8-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | | | |
| 6 | 3812.10 | 1 | SAND, and clayey silt - black - moist | 0 PPM | 1118 |
| 12 | | | | | |
| 18 | | | CINDERS | | |
| 24 | 3812.11 | 2 | | 0 PPM | 1122 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B227.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B228



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-14-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, and clayey silt - black - moist | | |
| 6 | 3812.12 | 1 | | 0 PPM | 1145 |
| 12 | | | | | |
| 18 | | | CINDERS | | |
| 24 | 3812.13 | 2 | | 0 PPM | 1150 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B228.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B229



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-14-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - brown | | |
| 6 | 3812.14 | 1 | | 0 PPM | 1315 |
| 12 | | | | | |
| 18 | | | CLAYEY SILT, dk. brown | | |
| 24 | 3812.15 | 2 | SAND, medium - iron stained | 0 PPM | 1320 |
| | | | CINDERS | | |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B229.BOR

000277

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B230



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 8-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - brown | | |
| 6 | 3812.16 | 1 | | 0 PPM | 1340 |
| 12 | | | | | |
| 18 | | | Mixed sands and cinders | | |
| 24 | 3812.17 | 2 | | 0 PPM | 1345 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B230.BOR

000278

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B231



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-14-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - brown | | |
| 6 | 3812.18 | 1 | Mixed sands and cinders | 0 PPM | 1419 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3812.19 | 2 | | 0 PPM | 1424 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\WTECH5\M5\M5-B231.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B232



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-25-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - lt. brown w/ some small ang. gravels | | |
| 6 | 3827.02 | 1 | | 0 PPM | 1345 |
| 12 | | | | | |
| 18 | | | SAND, medium/fine - brown w/ coal and cinder frags. | | |
| | | | CINDERS | | |
| 24 | 3827.03 | 2 | | 0 PPM | 1353 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B232.BOR

000280

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B233



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-25-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - lt. brown w/ some small ang. gravels | | |
| 6 | 3827.04 | 1 | | 0 PPM | 1415 |
| 12 | | | | | |
| 18 | | | SAND, medium/fine - brown w/ coal and cinder frags. | | |
| | | | CINDERS | | |
| 24 | 3827.05 | 2 | | 0 PPM | 1420 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B233.BOR

000281

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B234



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-25-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine/ medium - tan/orange | | |
| 6 | 3827.06 | 1 | | 0 PPM | 1435 |
| 12 | | | | | |
| 18 | | | CINDER and coal matl. | | |
| 24 | 3827.07 | 2 | SAND, medium/fine - dk. gray w/ organic matl. | 0 PPM | 1440 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | SAND, medium/fine - gray | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B234.BOR

000282

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B235



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-25-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | | | |
| | | | SAND, fine - lt. brown | | |
| 6 | | | | | |
| | 3827.08 | 1 | | 0 PPM | 1509 |
| 12 | | | | | |
| 18 | | | | | |
| | | | CLAYEY SILT, and cinders. | | |
| 24 | 3827.09 | 2 | | 0 PPM | 1513 |
| | | | CINDERS | | |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B235.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B236



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-25-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - lt. brown | | |
| 6 | 3827.10 | 1 | | 0 PPM | 1520 |
| 12 | | | | | |
| 18 | | | | | |
| | | | CLAYEY SILT, and cinders. | | |
| 24 | 3827.11 | 2 | | 0 PPM | 1530 |
| | | | CINDERS | | |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B236.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B237



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - w/ small ang. gravels | | |
| 6 | | | Wood matl. | | |
| | 3836.02 | 1 | SAND, fine/ medium - orange | 0 PPM | 0850 |
| 12 | | | | | |
| 18 | | | | | |
| | | | SAND, fine - lt. olive green/ lt. tan | | |
| 24 | 3836.03 | 2 | | 0 PPM | 0856 |
| | | | Mixed sands and fill matl., cinders, coal, glass, and wood. | | |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B237.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B238



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - orange- w/ small ang. gravels | | |
| 6 | 3836.04 | 1 | SAND, medium/fine - orange | 0 PPM | 0917 |
| 12 | | | | | |
| 18 | | | Mixed sands and fill - cinders, coal, wood, glass and readable newspaper pcs. | | |
| 24 | 3836.05 | 2 | | 0 PPM | 0920 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B238.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B239



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED : 8-26-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - orange- w/ small ang. gravels | | |
| 6 | 3836.06 | 1 | SAND, fine/ medium - lt. brown | 0 PPM | 0942 |
| 12 | | | | | |
| 18 | | | CLAYEY SILT, olive green/ iron stained | | |
| 24 | 3836.07 | 2 | CINDERS | 0 PPM | 0950 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B239.BOR

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B240



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - brown | | |
| 6 | 3836.08 | 1 | | 0 PPM | 1012 |
| 12 | | | | | |
| 18 | | | CINDER and coal matl. | | |
| 24 | 3836.09 | 2 | | 0 PPM | 1018 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B240.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B241



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - brown | | |
| 6 | 3836.10 | 1 | SAND, fine/ medium - lt. brown | 0 PPM | 1040 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3836.11 | 2 | CINDER and coal matl. | 0 PPM | 1045 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B241.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B242



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine/ medium - brown | | |
| 6 | 3836.12 | 1 | | 0 PPM | 1108 |
| 12 | | | | | |
| 18 | | | SAND, medium - lt. gray/ black | | |
| | | | CINDERS | | |
| 24 | 3836.13 | 2 | | 0 PPM | 1112 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B242.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B243



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine/ medium - orange w/ small ang. rock frags. | | |
| 6 | 3836.14 | 1 | | 0 PPM | 1132 |
| 12 | | | CLAYEY SILT, and fine sand - brown | | |
| | | | CLAYEY SAND, fine - olive green | | |
| | | | SAND, medium - orange | | |
| 18 | | | CINDERS | | |
| 24 | 3836.15 | 2 | | 0 PPM | 1138 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B243.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B244



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine/ medium - orange w/ coal and small ang. rock frags. | | |
| 6 | 3836.16 | 1 | | 0 PPM | 1315 |
| 12 | | | | | |
| 18 | | | CINDERS | | |
| 24 | 3836.17 | 2 | | 0 PPM | 1320 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH\5\M5\M5-B244.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B245



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - brown w/ some silt | | |
| 6 | 3836.18 | 1 | | 0 PPM | 1337 |
| 12 | | | | | |
| 18 | | | | | |
| | | | CINDERS | | |
| 24 | 3836.19 | 2 | | 0 PPM | 1342 |
| 30 | | | | | |
| 36 | | | | | |
| | | | SAND, medium/coarse - lt.tan/ brown | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B245.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B246



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine/ medium - brown/ lt.tan | | |
| 6 | 3836.20 | 1 | | 0 PPM | 1355 |
| 12 | | | | | |
| 18 | | | | | |
| | | | CINDERS | | |
| 24 | 3836.21 | 2 | | 0 PPM | 1358 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B246.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B247



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | | | |
| 6 | 3836.22 | 1 | SAND, fine/ medium - lt. brown | 0 PPM | 1410 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3836.23 | 2 | CLAYEY SILT, and fine sand - blk./ orange w/ some olive green | 0 PPM | 1415 |
| 30 | | | CINDERS and wood debris | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B247.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B248



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine/ medium - lt. brown | | |
| 6 | 3836.24 | 1 | | 0 PPM | 1430 |
| 12 | | | .CLAYEY SILT, and fine sand - olive green | | |
| 18 | | | | | |
| 24 | 3836.25 | 2 | | 0 PPM | 1436 |
| | | | CLAY, fine - sand w/ some silt - black | | |
| | | | CINDERS | | |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\WS\M5-B248.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B249



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - lt. brown | | |
| 6 | 3836.26 | 1 | | 0 PPM | 1448 |
| 12 | | | | | |
| 18 | | | CLAYEY SILT, brown | | |
| | | | CINDERS | | |
| 24 | 3836.27 | 2 | | 0 PPM | 1450 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B249.BOR

000297

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B250



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - brown | | |
| 6 | 3836.28 | 1 | | 0 PPM | 1508 |
| 12 | | | | | |
| 18 | | | | | |
| | | | SAND, fine - olive green | | |
| 24 | 3836.29 | 2 | | 0 PPM | 1514 |
| 30 | | | | | |
| 36 | | | Loamy peat like material | | |
| | | | SAND, medium - lt. gray/ olive green | | |
| 42 | | | NATIVE SOILS APPEARANCE | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B250.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B251



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - lt. brown | | |
| 6 | 3836.30 | 1 | | 0 PPM | 1527 |
| 12 | | | | | |
| 18 | | | | | |
| | | | SAND, medium/coarse - orange/ brown | | |
| 24 | 3836.31 | 2 | | 0 PPM | 1532 |
| 30 | | | | | |
| 36 | | | SAND, fine - olive green | | |
| | | | NATIVE SOILS APPEARANCE | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B251.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B252



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, fine - brown | | |
| 6 | 3836.32 | 1 | | 0 PPM | 1545 |
| 12 | | | SILTY SAND, fine - olive green | | |
| 18 | | | SAND, fine - orange/ olive green - mottled<br>NATIVE SOILS APPEARANCE | | |
| 24 | 3836.33 | 2 | | 0 PPM | 1550 |
| 30 | | | | | |
| 36 | | | | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B252.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B253



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, medium/fine - lt. brown | | |
| 6 | 3836.34 | 1 | | 0 PPM | 1608 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3836.35 | 2 | | 0 PPM | 1613 |
| 30 | | | | | |
| | | | SAND, fine - orange w/ olive green mottling | | |
| 36 | | | NATIVE SOILS APPEARANCE | | |
| 42 | | | | | |
| 48 | | | | | |

02-26-1999 X:\MITECH5\M5\M5-B253.BOR

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

# LOG OF BORING M5- B254



U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

| | | | |
|---|---|---|---|
| DATE COMPLETED | : 8-26-98 | OPERATOR | : MARK LAURA |
| HOLE DIAMETER | : 2" | CONTRACTOR | : TVS-PWS-007 |
| DRILLING METHOD | : GEOPROBE | NJDEP LIC. # | : J-1486 |
| SAMPLING METHOD | : 2" MACROCORE | | |
| H2O SAMPLER | : 1" PVC [.10 SLOT SCREEN] | | |

| Depth in INCHES | Lab No. | Samples | DESCRIPTION | HNU | TIME |
|---|---|---|---|---|---|
| 0 | | | SAND, medium/fine - lt. brown | | |
| 6 | 3836.36 | 1 | | 0 PPM | 1620 |
| 12 | | | | | |
| 18 | | | | | |
| 24 | 3836.37 | 2 | | 0 PPM | 1625 |
| 30 | | | | | |
| | | | SAND, fine - orange w/ olive green mottling | | |
| 36 | | | NATIVE SOILS APPEARANCE | | |
| 42 | | | | | |
| 48 | | | | | |

02-25-1999 X:\MTECH5\M5\M5-B253.BOR

# APPENDIX F

## Compliance Average Area Names

Appendix F
Compliance Average Area Names
M-5 Landfill
Fort Monmouth, New Jersey

| Compliance Area Name: | AREA VOC-1 | Boring ID |
|---|---|---|
| | | B15 |
| | | B23 |
| | | B24 |
| | | B32 |
| | | B40 |

| Compliance Area Name: | AREA SVOC-1 | Boring ID |
|---|---|---|
| | | B07 |
| | | B08 |
| | | B09 |
| | | B16 |
| | | B17 |
| | | B24 |
| | | B25 |
| | | B26 |
| | | B27 |
| | | B32 |
| | | B33 |
| | | B34 |
| | | B35 |
| | | B39 |
| | | B40 |
| | | B41 |
| | | B42 |
| | | B43 |
| | | B44 |
| | | B67 |
| | | B68 |
| | | B69 |
| | | B70 |
| | | B71 |
| | | B72 |
| | | B75 |
| | | B76 |
| | | B77 |
| | | B78 |
| | | B79 |
| | | B80 |
| | | B83 |
| | | B84 |
| | | B85 |
| | | B86 |
| | | B87 |
| | | B92 |
| | | B93 |
| | | B94 |
| | | B95 |
| | | B96 |
| | | B159 |

B160
B161
B162
B163
B165
B166
B167
B168
B169
B179
B181
B197
B200
B201
B202
B203
B204
B205
B206
B207
B209
B210
B211
B212
B213
B216
B217
B218
B219
B220
B223
B226
B227

**Compliance Area Name:** **AREA PESTPCB-1** **Boring ID**

B201
B207
B212
B213
B220
B221
B227
B228
B233
B234
B235
B239
B240
B241
B242
B244
B245
B246
B247
B248

B249
B250
B251
B252
B253
B254

**Compliance Area Name:** **AREA METALS-1** **Boring ID**

B03
B04
B05
B06
B07
B08
B09
B13
B15
B16
B17
B18
B23
B24
B25
B26
B27
B32
B33
B34
B35
B40
B41
B42
B43
B44
B45
B46
B47
B48
B49
B50
B51
B55
B56
B57
B58
B59
B60
B61
B62
B63
B69
B70
B71
B72
B77

B78
B79
B80
B86
B87
B88
B97
B98
B99
B197
B198
B199
B243

**Compliance Area Name:** **AREA METALS-2** **Boring ID**

B235
B236
B241
B242
B243
B247
B248