

FINAL

Remedial Investigation Report for Near-Surface Soils

CW-3A Landfill Site

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



Directorate of Public Works



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United States Army
Fort Monmouth, New Jersey

**Remedial Investigation Report
for Near Surface Soils**

at the CW-3A Landfill Site

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EXECUTIVE SUMMARY

To demonstrate compliance equivalence of the existing soil cover over the CW-3A Landfill Site with respect to the Solid Waste Disposal Act of 1965, DPW characterized the near-surface soils using 48 borings installed at strategic locations over the site. DPW performed soil borings and obtained soil samples in December 1998. All soil samples were analyzed for Target Compound List (TCL) Organics + 30 parameters and Target Analyte List (TAL) metals. The data that exceeded the laboratory method detection limit (MDL) and/or the New Jersey Department of Environmental Protection (NJDEP) Residential Direct Contact Soil Cleanup Criteria (RDCSCC) are summarized in table form in this RIR. Where applicable and appropriate, the data were evaluated utilizing the “compliance averaging” approach to determine compliance with NJDEP RDCSCC.

Concentrations of SVOCs and metals were detected exceeding the NJDEP RDCSCC. In all cases, further analysis of the analytical results did not define a “source area” or level of contamination that necessitated the identification and evaluation of potential remedial actions. In most cases, either the calculated compliance average was below the respective RDCSCC or the exceedance was considered marginal. However, to address the exceedances of analytes that did not meet cleanup criteria in the near surface soils, the DPW will incorporate a document equivalent to a Declaration of Environmental Restriction (DER) into the Fort Monmouth Master Plan for soils at the site. The Army is requesting a **No Further Action** determination for these parameters. The DER equivalent may be developed for the entire CW-3A 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 at and near the CW-3A Landfill Site, the negligible impacts reported to-date, the lack of uses of groundwater at or downgradient of the CW-3A Landfill Site, and the relatively low levels of hazardous constituents in the shallow surface soils across the site, No Further Action is recommended regarding the near-surface soils at the CW-3A 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 CW-3A Landfill Site. The CW-3A Landfill Site is located in the southwest portion of the Charles Wood Area of Fort Monmouth, approximately 200 feet east of Pearl Harbor Avenue and just south of a tributary to Wampum Brook. This RIR presents a compilation of the results of remedial investigation conducted at the CW-3A 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 CW-3A 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 analysis.
- Comparison of the soil sample analytical results with the NJDEP RDCSCC.
- Evaluation of each of the analytes that exceeds the RDCSCC through compliance averaging 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 CW-3A Landfill Site located at Fort Monmouth. **Section 3.0** describes and summarizes the soil sampling activities conducted at the CW-3A 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 relational Microsoft Access database designed to 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 CW-3A Landfill Site. Included is a description of the site location, background, current conditions and environmental setting.

2.1 Site Location and Description

Fort Monmouth is located in the central-eastern portion of New Jersey in Monmouth County, approximately 45 miles south of New York City and 70 miles northeast of Philadelphia (**Figure 2-1**). In addition to the Main Post, the installation includes two subposts, the Charles Wood Area and the Evans Area. The Main Post encompasses approximately 630 acres and is 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 Charles Wood Area is located one mile west of the Main Post and is comprised of approximately 511 acres. Charles Wood is used primarily for research and development, testing and personnel housing units. 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 CW-3A Landfill Site consists of a former historic landfill in the Charles Wood Area (**Figure 2-2**). It is bounded by Pearl Harbor Avenue to the west, an unnamed tributary of Wampum Brook to the north, a wooded area to the east and the Pulse Power Facility (Building No. 2707) to the south. The approximate area of the CW-3A Landfill Site is 116,000 feet² (2.6 acres). The unnamed tributary of Wampum Brook flows along the northern boundary of the CW-3A Landfill Site for a distance of approximately 600 feet. The tributary is choked with thick vegetation and fallen trees with man-made debris scattered along its banks. Since the tributary is located farther inland than the Main Post Area, there are no localized tidal effects.

The reported historical use of the CW-3A site was for a disposal area possibly for the disposal of debris from the demolition of buildings at Charles Wood, which occurred in 1955 and 1956. The date that the CW-3A Landfill Site was last used is unknown. The period of operation for the CW-3A Landfill Site is unknown, however, according to the 1995 Weston Site Investigation (SI) Report (**Appendix C**), a 1957 aerial photograph shows bare ground at the CW-3A Landfill Site. It is possible that CW-3A received debris

from the demolition of buildings in the Charles Wood Area that reportedly occurred in 1955 and 1956. A 1974 aerial photograph in the Weston SI Report shows a steel igloo on the CW-3A Landfill Site.

Access to the debris site is limited via heavy brush to the north, east and west. A parking lot that runs along the southern perimeter could provide access to the site. However, the debris site will have restricted future use as stated in Fort Monmouth's Installation Master Plan.

2.2 Site Background

The U.S. Army Corps of Engineers (USACE), Baltimore District, initially contracted 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 areas). 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 CW-3A 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 CW-3A 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 geophysical investigations utilizing magnetic measurements, electromagnetic measurements and ground penetrating radar. The Weston SI Report was used as the basis for the supplemental remedial investigations described in the following sections of this report.

The geophysical investigation revealed various "anomalies" indicative of buried ferrous materials at a depth of 2 to 3 feet below ground surface (bgs). As a result, Weston recommended that exploratory trenching be conducted at the CW-3A Landfill Site to verify the presence of subsurface metallic debris.

Fort Monmouth DPW conducted exploratory trenching on September 25, 1997. Several test pits were excavated that revealed debris consisting of concrete, asphalt, brick, wood, glass, coal ash and assorted scrap metals. In addition to the trenching, four monitoring wells were installed on December 17, 1997 to further evaluate the potential impact of the

CW-3A Landfill Site on surrounding soils and groundwater. The well installation and long term monitoring results are presented in a separate RIR (Versar, date pending).

2.3 Environmental Setting

The following is a description of the geological/hydrogeological setting of the area surrounding the CW-3A Landfill Site. Included is a description of the regional geology and hydrogeology of the area surrounding Fort Monmouth, as well as descriptions of the local geology and hydrogeology of the CW-3A Landfill Site. The Charles Wood Area is located one mile from the Main Post and regional geologic/hydrogeologic conditions are similar.

2.3.1 Regional and Local Geology

Monmouth County lies within the New Jersey Section of the Atlantic Coastal Plain physiographic province. The CW-3A Landfill Site is located in what may be 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 (Zapeczka, 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 Zapeczka, 1990).

Based on the regional geologic map (Jablonski, 1968), the Cretaceous age Red Bank and Tinton Sands outcrop at the Main Post and Charles Wood areas. 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 a remedial investigation of groundwater (Versar, date Pending), the fill encountered in monitoring well borings at the CW-3A Landfill Site consisted of lumber fragments, black-stained gravel fine to coarse with organics within the top five feet of the boring, ranging in depth from 2.0' to 5.5' feet bgs. Native material was encountered below the fill in all monitoring wells consisting of brown to black fine sand, silt and clay with organic material and ranged in depth from 6 to 20 feet bgs. The observation of sub-rounded quartz gravel led to the interpretation that the native material is representative of the Tinton Sand. Groundwater was encountered during well installation at depths ranging from 7 feet bgs to 15 feet bgs grading toward an unnamed tributary of Wampum Brook.

As presented in the Weston SI Report (**Appendix A**), the lithologic logs from monitoring well installations indicated indicate that the lithology at the CW-3A Landfill Site consists of a thin soil cover (0.3 feet) underlain by fill material. The components of the filled materials observed in the borings consisted of organic debris and coal fragments intermixed with a moderate to poorly sorted olive-green-brown silty medium-fine-grained sand with little clay. Groundwater saturation was observed at approximately two feet bgs across the site. Water-level elevation data collected during the Weston SI indicates that local groundwater flow appears to be consistently to the northwest toward Husky Brook.

2.3.2 Hydrogeology

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

and iron. The sediments in the area of Fort Monmouth were deposited in fluvial-deltaic to near shore environments.

The water table aquifer in the Main Post Area is identified as part of the “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 (Zapeczka, 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.

2.4.3 Soils

According to the U.S. Department of Agriculture (USDA), Soil Conservation Service, Monmouth County Soil Survey, the majority of the Main Post and Charles Wood areas are covered by urban land (**Figure 2-3**). The soil survey describes 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).

- 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);
- PT Pits, Sand and Gravel;
- 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 1 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 CW-3A Landfill Site are classified as FrB – Freehold sandy loam (with 2 to 5 percent slopes) and PT – Pits, Sand and Gravel.

2.4.4 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 CW-3A Landfill Site is located on the floodplain of Wampum Brook. The USGS topographic map (**Figure 2-1**) shows that the land surface of the CW-3A Landfill Site is relatively flat at an elevation of between 30 and 60 feet above mean sea level (amsl).

Surface water bodies in the vicinity of the Charles Wood Area include two unnamed tributaries of Wampum Brook. Wampum Brook is joined by several unnamed tributaries east of Charles Wood, prior to becoming Wampum Lake. Wampum Lake discharges into Mill Creek, which flows toward the Main Post Area.

The U.S Fish and Wildlife Service (FWS) National Wetland Inventory Long Branch quadrangle maps indicate the presence of several wetlands at the Main Post and Charles Wood areas. However, in the vicinity of the CW-3A Landfill Site, the golf course lake is classified as palustrine open water/unknown bottom, and several areas along the unnamed tributaries of Wampum Brook are classified as palustrine forested wetland, broad-leaved deciduous. Based on the topography at the CW-3A Landfill Site, surface water runoff is expected to flow north toward the unnamed tributary of Wampum Brook.

3.0 SITE ACTIVITIES

The DPW conducted this remedial investigation in accordance with the NJDEP Technical Requirements for Site Remediation (N.J.A.C. 26:E) to characterize near surface soil and assess potential risks to human health or the environment. The remedial investigation activities consisted of the collection of near-surface soils at the CW-3A Landfill Site. Remedial investigation activities were performed in December 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 CW-3A Landfill Site are described below.

The DPW characterized the near-surface soils at the CW-3A Landfill Site by completing 48 borings (B01-B48) 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 96 soil samples were collected from the 48 borings and were analyzed for the presence of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs) and metals. The soil sample depths were chosen to minimize any recent soil disturbances. Each of the soil samples, except those prepared for VOC analysis, was taken between approximately 6 and 12 inches bgs. VOC samples were taken at approximately 24 inches bgs since surface soils would not be expected to retain such volatiles over time. The soil boring locations were located in the CW-3A Landfill Site area as identified in the 1995 Weston SI. The locations of the borings within the site were unbiased towards any areas of concern, and the boring locations were established on an approximately hexagonal grid with 30 feet between borings.

Laboratory analyses of the samples collected at the CW-3A Landfill Site were conducted at the Fort Monmouth Environmental Testing Laboratory (FMETL), a New Jersey certified laboratory (Certification No. 13461). The locations of these 48 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 CW-3A 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 Metals) and compared the analytical data with the NJDEP RDCSCC. Exceedences of the RDCSCC were subjected to further evaluation involving compliance averaging and site-specific information.

4.1 Soil Analytical Results

The analytical results from the 294 soil samples collected from 48 borings (B01-B48) at the CW-3A Landfill Site are discussed above, and are included in **Table 4-1 – Soil Sampling Results**. The soil analytical data is provided in **Appendix A**. The data presented in **Table 4-1** are compared to the NJDEP RDCSCC. Soil samples from the 48 borings at the CW-3A Landfill Site were analyzed for VOCs, SVOCs, pesticides, PCBs and metals. The results which exceeded the respective RDCSCC have been shaded in **Table 4-1**.

4.1.1 VOCs

The VOC samples were collected from the CW-3A Landfill Site soils from a depth of 24 inches bgs. **Table 4-1** presents the results of laboratory analysis of these analyses. There were no exceedances of the NJDEP RDCSCC for any VOCs at any of the 48 soil borings.

4.1.2 SVOCs

SVOC analyses were conducted on soil samples collected from the 48 soil borings in the CW-3A Landfill Site (see **Figure 4-1**). Each of these soil samples was collected at approximately the same depth range, 6 to 12 inches bgs.

Soil cleanup criteria for SVOCs were exceeded in one of the 48 soil boring locations, boring B25 (**Table 4-2**). A total of three SVOCs were detected in this boring at concentrations above the RDCSCC, Benzo(a)anthracene, Benzo(a)pyrene, and Benzo(k)fluoranthene. **Table 4-3** presents a summary of the results, presenting the maximum, minimum and average exceedances for each of these parameters. A discussion of these exceedances is presented below.

- Benzo(a)anthracene was detected in boring B25 above the RDCSCC of 0.9 mg/kg at a concentration of 1.1 mg/kg.
- Benzo(a)pyrene was detected in boring B25 above the RDCSCC of 0.66 mg/kg (boring B25) at a concentration of 1.1 mg/kg.

- Benzo(k)fluoranthene was detected in boring B25 above the RDCSCC of 0.9 mg/kg (boring B25) at a concentration of 0.99 mg/kg.

4.1.3 Pesticides and PCBs

Pesticide and PCB analyses were conducted on soil samples collected from the 48 borings in the CW-3A Landfill Site at depths of approximately 6 to 12 inches bgs. Each of the 48 borings was sampled for 19 pesticides and seven PCB compounds. There were no exceedances of the NJDEP RDCSCC for soils for pesticides or PCBs. This finding supports a No Further Action determination relative to pesticide and PCB contamination in near-surface soils.

4.1.4 Metals

The soil samples from the 48 borings (see **Figure 4-2**) were analyzed for 24 TAL metals. The samples were collected from depths of 6 to 12 inches. A total of four metals were detected at concentrations above their respective RDCSCC. The borings which contained exceedances of metals are listed in **Table 4-2**. The four metals that exceeded the RDCSCC in some of the borings are, with the number of exceedances in parenthesis, Antimony (1), Arsenic (1), Copper (2) and Lead (1). **Table 4-3** presents a summary of the results, presenting the maximum, minimum and average exceedances for each of these parameters. A discussion of these exceedances is presented below.

- Antimony was detected above the RDCSCC of 14 mg/kg at one boring, B26, at a concentration of 31.3 mg/kg.
- Arsenic was detected above the RDCSCC of 20 mg/kg at one boring, B43, at a concentration of 22.7 mg/kg.
- Copper was detected above the RDCSCC of 600 mg/kg at two borings, B15 and B38, at concentrations of 4040 mg/kg and 1260 mg/kg, respectively.
- Lead was detected above the RDCSCC of 400 mg/kg at one boring, B15, at a concentration of 473 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 CW-3A Landfill Site was to complete the soil sample analysis. The analytical results from the 294 soil samples collected from 48 borings at the CW-3A Landfill Site are discussed above, and are included in **Table 4-1 – Soil Sampling Results**.

Figures 4-1 and **4-2** present the analytical results for SVOCs and metals, respectively, by soil boring, for those analytes that exceeded the NJDEP RDCSCC in at least one location. There were no exceedances of the RDCSCC for VOCs, Pesticides or PCBs. Therefore, no figures were generated for VOCs, Pesticides or PCBs. The results for each analyte presented are separately colored at each boring location, and results that exceeded the respective RDCSCC have been “boxed” in “red”. All soil sample results are expressed in milligrams/kilogram (mg/kg), equivalent to parts per million (ppm). These results are discussed in greater detail in **Section 4.2**. The borings that contained exceedances of the RDCSCC are shown in **Table 4-2**.

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

There are several analyte-specific conditions that determine whether compliance averaging can be applied to an exceedance of NJDEP soil cleanup criteria, including maximum analytical results (“ceilings”) for individual samples based on the particular NJDEP criterion, as well as specific requirements for arsenic, thallium, beryllium, benzo(a)pyrene, and dibenzo(a,h)anthracene. The compliance analysis method used for the CW-3A Landfill Site for each analyte that was detected in excess of the RDCSCC is summarized in the last column in **Table 4-4**.

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

- 1) One-half the 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 as described above.

The compliance averages are presented in **Appendix F** and summarized in **Table 4-4**.

Compliance averages that were below the NJDEP criteria for a particular analyte justify a recommendation for No Further Action. No Further Action was also justified if a compliance average meets the following conditions for *de minimus* exceedance:

- 1) Compliance averages met the same analyte-specific conditions that are used for determining whether compliance averaging can be applied,
- 2) Contaminant concentrations were found within a limited (for the CW-3A Landfill Site, a 15-foot radius, or one-half the grid-spacing was used as 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 exceedance was considered marginal, or an isolated location and no further action is warranted for the near surface soils. However, to address the exceedance in the near surface soils, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan for soils containing the exceedance.

4.3 Compliance Analysis

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

4.3.1 VOCs

There were no exceedances of the NJDEP RDCSCC for soils for any VOCs at any of the 48 soil borings. This finding supports a No Further Action determination relative to VOCs in near-surface soils at the CW-3A Landfill Site.

4.3.2 SVOCs

A total of three SVOCs were detected in site soils at concentrations above the RDCSCC: Benzo(a)anthracene, Benzo(a)pyrene, and Benzo(k)fluoranthene. For the purposes of compliance analysis, the sample location with exceedances of the RDCSCC for SVOCs (B25) and four surrounding borings have been grouped into one area, AREA SVOC-1. The borings contained within these compliance average areas are labeled in **Figure 4-1**

and listed in **Appendix F**. The compliance analysis method for these compounds is presented in **Table 4-4**.

Benzo(a)anthracene

Benzo(a)anthracene was detected in one site soil sample above the RDCSCC of 0.9 mg/kg. Based on soil analytical results, compliance averaging was conducted for Benzo(a)anthracene in AREA SVOC-1 and the average was found to be 0.653 mg/kg. The compliance average for Benzo(a)anthracene in AREA SVOC-1 is below the RDCSCC of 0.9 mg/kg and is therefore not of concern. This finding supports a No Further Action determination relative to Benzo(a)anthracene in near-surface soils at the CW-3A Landfill Site.

Benzo(a)pyrene

Benzo(a)pyrene was detected in one site soil sample above the RDCSCC of 0.66 mg/kg. Compliance averaging was not done for Benzo(a)pyrene because, as described in the Spring 1995 Site Remediation News (Volume 7, Number 2), NJDEPs guidance regarding the use of multiplication factors (initially applied to RDCSCCs to limit the maximum allowable concentration for individual samples) had changed. NJDEPs 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.

Benzo(a)pyrene concentrations in near-surface soils at the CW-3A Landfill Site are not of concern given the site conditions and limited public access to the sites. The DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan for soils containing the exceedance of Benzo(a)pyrene at the CW-3A Landfill Site. These findings support a No Further Action determination relative to Benzo(a)pyrene in near-surface soils at the CW-3A Landfill Site.

Benzo(k)fluoranthene

Benzo(k)fluoranthene was detected in one site soil sample above the RDCSCC of 0.9 mg/kg. Based on soil analytical results, compliance averaging was conducted in this AREA SVOC-1, and the average was determined to be 0.610 mg/kg. The compliance average for Benzo(k)fluoranthene in AREA SVOC-1 is below the RDCSCC of 0.9 mg/kg and is therefore not of concern. This finding supports a No Further Action determination relative to Benzo(k)fluoranthene in near-surface soils at the CW-3A Landfill Site.

4.3.3 Pesticides and PCBs

Pesticide and PCB analyses were conducted on soil samples collected from the 48 borings in the CW-3A Landfill Site at depths of approximately 6-12 inches bgs. Each of the 48 borings was sampled for 19 pesticides and seven PCB compounds. There were no

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

4.3.4 Metals

The soil samples from the 48 borings (see **Figure 4-2**) were analyzed for 24 TAL metals. The samples were collected from depths of 6–12 inches. A total of four metals were detected at concentrations above their respective RDCSCC, Antimony, Arsenic, Copper and Lead. The borings which contained exceedances of metals are listed in **Table 4-2**. The borings contained within compliance average area AREA METALS-1 are labeled in **Figure 4-2** and listed in **Appendix F**. The compliance analysis method for these compounds is presented in **Table 4-4**.

Antimony

Antimony was detected above the RDCSCC of 14 mg/kg at one boring, B26 at a concentration of 31.3 mg/kg. Based on soil analytical results, compliance averaging was conducted for antimony within AREA METALS-1. The compliance average concentration for antimony was determined to be 4.517 mg/kg which is below the RDCSCC of 14 mg/kg and is therefore not of concern. This finding supports a No Further Action determination relative to antimony in near-surface soils at the CW-3A Landfill Site.

Arsenic

Arsenic was detected above the RDCSCC of 20 mg/kg at one boring, B43 at a concentration of 22.7 mg/kg. However, this concentration is below the site-specific maximum background concentration for arsenic in soils (Weston, 1995) of 22.9 mg/kg. Based on this result, No Further Action is warranted for Arsenic in near-surface soils at the CW-3A Landfill Site.

Copper

Copper was detected above the RDCSCC of 600 mg/kg at two borings, B15 and B38, at concentrations of 4040 mg/kg and 1260 mg/kg, respectively. Due to the detection of copper at a concentration greater than two times the RDCSCC of 400 mg/kg in each of these two borings, compliance averaging could not be performed within AREA METALS-1. Based on sample analytical results, the DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan for soils containing the exceedance of copper with AREA METALS-1.

Due to the isolated exceedances of copper and the low concentrations of the surrounding samples, No Further Action determination relative to copper in near-surface soils at the CW-3A Landfill Site.

Lead

Lead was detected above the RDCSCC of 400 mg/kg at one location, boring B15, at a concentration of 473 mg/kg. Based on the soil analytical results, compliance averaging was conducted for lead within AREA METALS-1. The compliance average concentration for antimony was determined to be 103.328 mg/kg which is below the RDCSCC of 400 mg/kg and is therefore not of concern. This finding supports a No Further Action determination relative to lead in near-surface soils at the CW-3A Landfill Site.

5.0 CONCLUSIONS AND RECOMMENDATIONS

In order to demonstrate compliance equivalence of the existing soil cover over the CW-3A Landfill Site with respect to the Solid Waste Disposal Act of 1965, DPW characterized the near-surface soils using 48 borings from key locations site wide. DPW installed soil borings and obtained soil samples between March 1998 and September 1999. All soil samples were analyzed for TCL Organics + 30 parameters and TAL metals. The data that exceeded the laboratory MDL and/or the NJDEP RDCSCC are summarized in table form in this RIR. Where applicable and appropriate, the data were evaluated utilizing the “compliance averaging” approach to determine compliance with NJDEP RDCSCC. The conclusions and recommendations of the evaluation of analytical results from the near-surface soils site characterization are provided below.

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

Given the inactive and undisturbed status of the landfill, the continued performance of long-term surface water and groundwater monitoring at and near the CW-3A Landfill Site, the negligible impacts reported to-date, the lack of uses of groundwater at or downgradient of the CW-3A Landfill Site, and the relatively low levels of hazardous constituents in the shallow surface soils across the site, No Further Action is recommended regarding the near-surface soils at the CW-3A Landfill Site.

6.0 REFERENCES

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TABLES

Table 3-1
Soil Sample Collection Summary
CW3A 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")	4124.02	(6-12")	12/8/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B01	B01 (24")	4124.03	(24")	12/8/1998	Soil	VOCs	Method 8260
B02	B02 (6-12")	4124.04	(6-12")	12/8/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B02	B02 (24")	4124.05	(24")	12/8/1998	Soil	VOCs	Method 8260
B03	B03 (6-12")	4124.06	(6-12")	12/8/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B03	B03 (24")	4124.07	(24")	12/8/1998	Soil	VOCs	Method 8260
B04	B04 (6-12")	4124.08	(6-12")	12/8/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B04	B04 (24")	4124.09	(24")	12/8/1998	Soil	VOCs	Method 8260
B05	B05 (6-12")	4124.10	(6-12")	12/8/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B05	B05 (24")	4124.11	(24")	12/8/1998	Soil	VOCs	Method 8260
B06	B06 (6-12")	4124.12	(6-12")	12/8/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B06	B06 (24")	4124.13	(24")	12/8/1998	Soil	VOCs	Method 8260
B07	B07 (6-12")	4124.14	(6-12")	12/8/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B07	B07 (24")	4124.15	(24")	12/8/1998	Soil	VOCs	Method 8260
B08	B08 (6-12")	4124.16	(6-12")	12/8/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B08	B08 (24")	4124.17	(24")	12/8/1998	Soil	VOCs	Method 8260
B09	B09 (6-12")	4128.02	(6-12")	12/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B09	B09 (24")	4128.03	(24")	12/9/1998	Soil	VOCs	Method 8260
B10	B10 (6-12")	4128.04	(6-12")	12/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B10	B10 (24")	4128.05	(24")	12/9/1998	Soil	VOCs	Method 8260
B11	B11 (6-12")	4128.06	(6-12")	12/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B11	B11 (24")	4128.07	(24")	12/9/1998	Soil	VOCs	Method 8260
B12	B12 (6-12")	4128.08	(6-12")	12/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B12	B12 (24")	4128.09	(24")	12/9/1998	Soil	VOCs	Method 8260
B13	B13 (6-12")	4128.10	(6-12")	12/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B13	B13 (24")	4128.11	(24")	12/9/1998	Soil	VOCs	Method 8260
B14	B14 (6-12")	4128.12	(6-12")	12/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B14	B14 (24")	4128.13	(24")	12/9/1998	Soil	VOCs	Method 8260
B15	B15 (6-12")	4128.14	(6-12")	12/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B15	B15 (24")	4128.15	(24")	12/9/1998	Soil	VOCs	Method 8260
B16	B16 (6-12")	4128.16	(6-12")	12/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B16	B16 (24")	4128.17	(24")	12/9/1998	Soil	VOCs	Method 8260
B17	B17 (6-12")	4128.18	(6-12")	12/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B17	B17 (24")	4128.19	(24")	12/9/1998	Soil	VOCs	Method 8260
B18	B18 (6-12")	4128.20	(6-12")	12/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B18	B18 (24")	4128.21	(24")	12/9/1998	Soil	VOCs	Method 8260
B19	B19 (6-12")	4128.22	(6-12")	12/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B19	B19 (24")	4128.23	(24")	12/9/1998	Soil	VOCs	Method 8260
B20	B20 (6-12")	4128.24	(6-12")	12/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B20	B20 (24")	4128.25	(24")	12/9/1998	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
CW3A 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")	4128.26	(6-12")	12/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B21	B21 (24")	4128.27	(24")	12/9/1998	Soil	VOCs	Method 8260
B22	B22 (6-12")	4128.28	(6-12")	12/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B22	B22 (24")	4128.29	(24")	12/9/1998	Soil	VOCs	Method 8260
B23	B23 (6-12")	4128.30	(6-12")	12/9/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B23	B23 (24")	4128.31	(24")	12/9/1998	Soil	VOCs	Method 8260
B24	B24 (6-12")	4140.02	(6-12")	12/14/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B24	B24 (24")	4140.03	(24")	12/14/1998	Soil	VOCs	Method 8260
B25	B25 (6-12")	4140.04	(6-12")	12/14/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B25	B25 (24")	4140.05	(24")	12/14/1998	Soil	VOCs	Method 8260
B26	B26 (6-12")	4140.06	(6-12")	12/14/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B26	B26 (24")	4140.07	(24")	12/14/1998	Soil	VOCs	Method 8260
B27	B27 (6-12")	4140.08	(6-12")	12/14/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B27	B27 (24")	4140.09	(24")	12/14/1998	Soil	VOCs	Method 8260
B28	B28 (6-12")	4140.10	(6-12")	12/14/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B28	B28 (24")	4140.11	(24")	12/14/1998	Soil	VOCs	Method 8260
B29	B29 (6-12")	4140.12	(6-12")	12/14/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B29	B29 (24")	4140.13	(24")	12/14/1998	Soil	VOCs	Method 8260
B30	B30 (6-12")	4140.14	(6-12")	12/14/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B30	B30 (24")	4140.15	(24")	12/14/1998	Soil	VOCs	Method 8260
B31	B31 (6-12")	4140.16	(6-12")	12/14/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B31	B31 (24")	4140.17	(24")	12/14/1998	Soil	VOCs	Method 8260
B32	B32 (6-12")	4140.18	(6-12")	12/14/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B32	B32 (24")	4140.19	(24")	12/14/1998	Soil	VOCs	Method 8260
B33	B33 (6-12")	4140.20	(6-12")	12/14/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B33	B33 (24")	4140.21	(24")	12/14/1998	Soil	VOCs	Method 8260
B34	B34 (6-12")	4140.22	(6-12")	12/14/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B34	B34 (24")	4140.23	(24")	12/14/1998	Soil	VOCs	Method 8260
B35	B35 (6-12")	4140.24	(6-12")	12/14/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B35	B35 (24")	4140.25	(24")	12/14/1998	Soil	VOCs	Method 8260
B36	B36 (6-12")	4140.26	(6-12")	12/14/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B36	B36 (24")	4140.27	(24")	12/14/1998	Soil	VOCs	Method 8260
B37	B37 (6-12")	4140.28	(6-12")	12/14/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B37	B37 (24")	4140.29	(24")	12/14/1998	Soil	VOCs	Method 8260
B38	B38 (6-12")	4140.30	(6-12")	12/14/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B38	B38 (24")	4140.31	(24")	12/14/1998	Soil	VOCs	Method 8260
B39	B39 (6-12")	4141.02	(6-12")	12/15/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B39	B39 (24")	4141.03	(24")	12/15/1998	Soil	VOCs	Method 8260
B40	B40 (6-12")	4141.04	(6-12")	12/15/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B40	B40 (24")	4141.05	(24")	12/15/1998	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
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CW3A 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")	4141.06	(6-12")	12/15/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B41	B41 (24")	4141.07	(24")	12/15/1998	Soil	VOCs	Method 8260
B42	B42 (6-12")	4141.08	(6-12")	12/15/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B42	B42 (24")	4141.09	(24")	12/15/1998	Soil	VOCs	Method 8260
B43	B43 (6-12")	4141.10	(6-12")	12/15/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B43	B43 (24")	4141.11	(24")	12/15/1998	Soil	VOCs	Method 8260
B44	B44 (6-12")	4141.12	(6-12")	12/15/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B44	B44 (24")	4141.13	(24")	12/15/1998	Soil	VOCs	Method 8260
B45	B45 (6-12")	4141.14	(6-12")	12/15/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B45	B45 (24")	4141.15	(24")	12/15/1998	Soil	VOCs	Method 8260
B46	B46 (6-12")	4141.16	(6-12")	12/15/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B46	B46 (24")	4141.17	(24")	12/15/1998	Soil	VOCs	Method 8260
B47	B47 (6-12")	4141.18	(6-12")	12/15/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B47	B47 (24")	4141.19	(24")	12/15/1998	Soil	VOCs	Method 8260
B48	B48 (6-12")	4141.20	(6-12")	12/15/1998	Soil	SVOCs; Pesticides/PCBs; TAL Metals	Method 8270; Method 8080; Methods 3151, 6010B, and 7471A
B48	B48 (24")	4141.21	(24")	12/15/1998	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
CW-3A Landfill Site
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	4124.02	4124.03	4124.04	4124.05	4124.06	4124.07	4124.08	4124.09	4124.10	4124.11	4124.12	4124.13	4124.14	4124.15	4124.16	4124.17	4128.02
Field Sample Location	Cleanup	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")
Sample Date	Criteria	12/8/1998	12/8/1998	12/8/1998	12/8/1998	12/8/1998	12/8/1998	12/8/1998	12/8/1998	12/8/1998	12/8/1998	12/8/1998	12/8/1998	12/8/1998	12/8/1998	12/8/1998	12/8/1998	12/9/1998
Volatiles (mg/kg)																		
Acetone	1000		ND		ND		ND		ND		ND		ND		ND		ND	
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND		ND	
m+p-Xylenes	410		ND		ND		ND		ND		ND		ND		ND		ND	
Methylene Chloride	49		1.70		1.80		1.80		0.52J		1.60		1.60		1.80		1.40	
o-Xylene	410		ND		ND		ND		ND		ND		ND		ND		ND	
Toluene	1000		ND		ND		ND		ND		ND		ND		ND		ND	
Semi-Volatiles (mg/kg)																		
Naphthalene	230	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		0.31J		ND		ND		ND		ND		ND
Fluorene	2300	ND		ND		ND		ND		ND		ND		ND		ND		ND
Phenanthrene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND
Anthracene	10,000	ND		ND		ND		ND		ND		ND		ND		ND		ND
Di-n-butylphthalate	5700	0.20J		0.90J		0.20J		0.67J		0.87J		0.61J		0.70J		0.30J		0.28J
Fluoranthene	2300	0.17J		ND		ND		ND		ND		ND		0.17J		ND		ND
Butylbenzylphthalate	1100	ND		ND		ND		ND		ND		ND		ND		ND		ND
Benzo[a]anthracene	0.9	ND		ND		ND		ND		ND		ND		0.11J		ND		ND
Chrysene	9	0.12J		ND		ND		ND		ND		ND		0.17J		ND		ND
bis(2-Ethylhexyl)phthalate	49	ND		ND		0.01		0.11J		0.12J		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		0.11J		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		0.12J		ND		ND		ND		ND		ND
Benzo[g,h,i]perylene	NLE	ND		ND		ND		0.13J		ND		ND		ND		ND		ND
Pyrene	1700	0.17J		ND		ND		ND		ND		ND		0.24J		ND		ND
Pesticides/PCBs (mg/kg)																		
Heptachlor	0.15	ND		ND		ND		ND		ND		ND		ND		ND		ND
4,4'-DDE	2	0.031		0.008		ND		ND		ND		ND		0.009		ND		ND
Dieldrin	0.042	ND		ND		ND		ND		ND		ND		ND		ND		ND
Endrin Aldehyde	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND
4,4'-DDD	3	ND		ND		ND		ND		ND		ND		0.014		ND		ND
4,4'-DDT	2	0.063		0.026		ND		ND		ND		ND		0.025		ND		ND
Arochlor 1254	0.49	ND		ND		ND		ND		ND		ND		ND		ND		ND
Arochlor 1260	0.49	ND		ND		ND		ND		ND		ND		ND		ND		ND
Metals (mg/kg)																		
Aluminum	NLE	3090		3260		7910		2500		2570		2780		8010		8790		11300
Antimony	14	1.08		0.819		0.421		0.582		0.605		0.802		0.373		0.529		0.499
Arsenic	20	2.76		2.74		6.15		1.87		2.46		1.98		5.49		5.21		6.95
Barium	700	8.64		9.11		17.3		6.79		8.42		8.86		16.8		22.3		21.5
Beryllium	2	0.27		0.245		0.563		0.187		0.209		0.208		0.473		0.45		0.601
Cadmium	39	0.586		ND		ND		ND		ND		ND		ND		ND		0.272
Calcium	NLE	389		505		1050		280		365		259		1020		619		880
Chromium	NLE	27.1		24.6		50.4		20.9		20.7		21.4		46.3		42.6		61.6
Cobalt	NLE	0.999		1.30		2.05		2.05		1.19		0.966		2.03		1.99		2.63
Copper	600	4.26		12.9		3.85		3.76		9.22		5.14		52.9		52.9		6.25
Iron	NLE	9170		8550		18000		6510		7580		7070		16000		15400		21600
Lead	400	13.1		17.6		7.84		17.1		13.9		14.1		12.1		19.3		37.9
Magnesium	NLE	758		762		1660		563		607		618		1560		1320		1900
Manganese	NLE	20.0		28.2		46.9		17.5		21.7		22.3		48.6		50.3		56.9
Mercury	14	ND		ND		ND		ND		ND		ND		ND		ND		ND
Nickel	250	7.55		3.22		4.85		1.96		1.36		2.18		4.58		5.27		6.99
Potassium	NLE	1440		1330		2860		1040		1180		1210		2380		2240		2640
Selenium	63	ND		ND		ND		ND		ND		ND		ND		ND		ND
Silver	110	ND		ND		ND		ND		ND		ND		ND		ND		ND
Sodium	NLE	122		85.9		122		73.3		77.7		62.8		74.1		108		93.1
Vanadium	370	21.8		20.2		43.0		15.0		16.7		15.7		39.4		36.2		51.5
Zinc	1500	20.5		15.9		22.0		12.3		15.3		14.2		22.5		38.4		36.8

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
CW-3A Landfill Site
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	4128.03	4128.04	4128.05	4128.06	4128.07	4128.08	4128.09	4128.10	4128.11	4128.12	4128.13	4128.14	4128.15	4128.16	4128.17	4128.18	4128.19
Field Sample Location	Cleanup	B09 (24")	B10 (6-12")	B10 (24")	B11 (6-12")	B11 (24")	B12 (6-12")	B12 (24")	B13 (6-12")	B13 (24")	B14 (6-12")	B14 (24")	B15 (6-12")	B15 (24")	B16 (6-12")	B16 (24")	B17 (6-12")	B17 (24")
Sample Date	Criteria	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998
Volatiles (mg/kg)																		
Acetone	1000	ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000	ND		ND		ND		ND		ND		ND		ND		ND		ND
m+p-Xylenes	410	ND		ND		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49	1.50		ND		ND		ND		ND		ND		0.83		ND		0.79
o-Xylene	410	ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	1000	ND		ND		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)																		
Naphthalene	230		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400		ND		ND		ND		ND		ND		ND		ND		ND	
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		ND	
Phenanthrene	NLE		ND		ND		ND		ND		0.12J		ND		ND		0.14J	
Anthracene	10,000		ND		ND		ND		ND		ND		ND		ND		ND	
Di-n-butylphthalate	5700		0.80J		0.57J		0.64J		0.31J		1.10J		0.		0.31J		0.82J	
Fluoranthene	2300		ND		ND		ND		ND		0.20J		ND		0.11J		0.19J	
Butylbenzylphthalate	1100		ND		ND		ND		ND		ND		ND		ND		ND	
Benzo[a]anthracene	0.9		ND		ND		ND		ND		ND		ND		ND		0.11J	
Chrysene	9		ND		ND		ND		ND		0.18J		ND		0.16J		0.16J	
bis(2-Ethylhexyl)phthalate	49		0.39J		ND		0.12J		ND		0.15J		0.21J		ND		ND	
Benzo[b]fluoranthene	0.9		ND		ND		ND		ND		ND		ND		ND		ND	
Benzo[k]fluoranthene	0.9		ND		ND		ND		ND		ND		ND		ND		0.13J	
Benzo[a]pyrene	0.66		ND		ND		ND		ND		ND		ND		0.10J		0.12J	
Indeno[1,2,3-cd]pyrene	0.9		ND		ND		ND		ND		ND		ND		ND		ND	
Dibenz[a,h]anthracene	0.66		ND		ND		ND		ND		ND		ND		ND		ND	
Benzo[g,h,i]perylene	NLE		ND		ND		ND		ND		ND		ND		ND		ND	
Pyrene	1700		ND		ND		ND		ND		0.22J		ND		0.16J		0.25J	
Pesticides/PCBs (mg/kg)																		
Heptachlor	0.15		ND		ND		ND		ND		ND		ND		ND		ND	
4,4'-DDE	2		ND		ND		ND		0.073		0.028		0.089		0.06		0.014	
Dieldrin	0.042		ND		ND		ND		ND		ND		ND		0.012		ND	
Endrin Aldehyde	NLE		ND		ND		ND		ND		ND		ND		ND		ND	
4,4'-DDD	3		ND		ND		ND		ND		0.018		0.011		0.015		ND	
4,4'-DDT	2		ND		ND		ND		0.066		0.073		0.269		0.218		0.021	
Arochlor 1254	0.49		ND		ND		ND		ND		ND		ND		ND		ND	
Arochlor 1260	0.49		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)																		
Aluminum	NLE		11400		4790		4880		3880		4060		11300		9600		10300	
Antimony	14		0.461		0.699		1.11		1.93		1.58		12.5		6.92		0.573	
Arsenic	20		7.91		3.70		3.53		2.94		3.37		8.72		5.99		7.44	
Barium	700		18.7		9.93		18.3		24.5		19.7		417		122		23.9	
Beryllium	2		0.689		0.339		0.33		0.261		0.279		0.577		0.517		0.609	
Cadmium	39		ND		ND		ND		0.496		0.151		9.12		3.58		ND	
Calcium	NLE		884		298		345		528		398		1180		916		1540	
Chromium	NLE		66.8		33.3		29.2		25.9		28.3		75.3		50.1		61.9	
Cobalt	NLE		2.34		1.39		1.64		1.59		1.25		3.23		2.75		2.38	
Copper	600		4.07		6.32		16.1		29.0		26.4		4040		181		8.03	
Iron	NLE		22400		11300		11700		9960		10300		19300		17800		21700	
Lead	400		7.51		12.2		26.3		37.4		54.7		473		137		15.0	
Magnesium	NLE		1960		949		911		865		773		1800		1410		1970	
Manganese	NLE		55.7		29.1		34.9		37.1		32.9		313		114		62.3	
Mercury	14		0.031		0.028		0.083		0.133		0.087		0.435		0.281		0.048	
Nickel	250		6.42		3.18		3.95		3.67		3.85		15.4		11.4		6.97	
Potassium	NLE		3200		1880		1680		1460		1500		3400		2910		3180	
Selenium	63		ND		ND		ND		ND		ND		1.39		0.981		ND	
Silver	110		ND		ND		ND		ND		ND		20.4		2.73		ND	
Sodium	NLE		82.6		77.8		88.6		198		94.6		120		99.2		100	
Vanadium	370		54.9		25.6		22.4		19.3		20.9		39.4		32.2		48.0	
Zinc	1500		29.1		21.6		26.5		33.7		34.7		806		375		41.8	

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
CW-3A Landfill Site
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	4128.20	4128.21	4128.22	4128.23	4128.24	4128.25	4128.26	4128.27	4128.28	4128.29	4128.30	4128.31	4140.02	4140.03	4140.04	4140.05	4140.06
Field Sample Location	Cleanup	B18 (6-12")	B18 (24")	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")
Sample Date	Criteria	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/9/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998
Volatiles (mg/kg)																		
Acetone	1000		ND		ND		ND		ND		ND		ND		ND		ND	
Ethylbenzene	1000		ND		ND		ND		0.22J		ND		ND		ND		ND	
m+p-Xylenes	410		ND		ND		ND		0.73J		ND		ND		ND		ND	
Methylene Chloride	49		0.70		0.77		0.82		0.81		0.88		ND		2.30		2.40	
o-Xylene	410		ND		ND		ND		0.5J		ND		ND		ND		ND	
Toluene	1000		ND		ND		ND		850.00		ND		ND		ND		ND	
Semi-Volatiles (mg/kg)																		
Naphthalene	230	ND		ND		ND		ND		ND		ND		ND		0.13J		ND
Acenaphthylene	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND
Acenaphthene	3400	ND		ND		ND		ND		ND		ND		ND		0.44J		ND
Dibenzofuran	NLE	ND		ND		ND		ND		ND		ND		ND		0.13J		ND
Diethylphthalate	10,000	ND		ND		ND		ND		ND		ND		ND		0.28J		ND
Fluorene	2300	ND		ND		ND		ND		ND		ND		ND		0.26J		ND
Phenanthrene	NLE	ND		ND		ND		ND		ND		ND		ND		2.30		0.11J
Anthracene	10,000	ND		ND		ND		ND		ND		ND		ND		0.58J		ND
Di-n-butylphthalate	5700	0.54J		0.		0.		0.		0.43J		0.		0.		0.49J		0.
Fluoranthene	2300	ND		ND		ND		ND		ND		ND		ND		2.70		0.47J
Butylbenzylphthalate	1100	0.13J		ND		ND		ND		ND		ND		ND		ND		ND
Benzo[a]anthracene	0.9	ND		ND		ND		ND		ND		ND		ND		1.10		0.19J
Chrysene	9	ND		ND		ND		ND		ND		ND		ND		1.30		0.34J
bis(2-Ethylhexyl)phthalate	49	1.70		0.17J		0.19J		0.01		0.01		0.14J		0.18J		0.60J		0.14J
Benzo[b]fluoranthene	0.9	ND		ND		ND		ND		ND		ND		ND		0.86J		0.26J
Benzo[k]fluoranthene	0.9	ND		ND		ND		ND		ND		ND		ND		0.99J		0.24J
Benzo[a]pyrene	0.66	ND		ND		ND		ND		ND		ND		ND		1.10		0.17J
Indeno[1,2,3-cd]pyrene	0.9	ND		ND		ND		ND		ND		ND		ND		0.46J		ND
Dibenz[a,h]anthracene	0.66	ND		ND		ND		ND		ND		ND		ND		0.19J		ND
Benzo[g,h,i]perylene	NLE	ND		ND		ND		ND		ND		ND		ND		0.49J		ND
Pyrene	1700	ND		ND		ND		ND		ND		ND		ND		2.30		0.56J
Pesticides/PCBs (mg/kg)																		
Heptachlor	0.15	ND		ND		ND		ND		ND		ND		ND		ND		ND
4,4'-DDE	2	ND		0.01		ND		ND		ND		0.005		ND		0.025		0.019
Dieldrin	0.042	ND		ND		ND		ND		ND		ND		ND		ND		ND
Endrin Aldehyde	NLE	ND		ND		ND		ND		ND		ND		ND		ND		ND
4,4'-DDD	3	ND		ND		ND		ND		ND		ND		ND		ND		ND
4,4'-DDT	2	ND		0.015		ND		ND		ND		ND		0.007		0.061		0.025
Arochlor 1254	0.49	ND		ND		ND		ND		ND		ND		ND		ND		ND
Arochlor 1260	0.49	ND		ND		ND		ND		ND		ND		ND		ND		ND
Metals (mg/kg)																		
Aluminum	NLE	7690		6810		8330		9980		3520		4390		2390		6230		6620
Antimony	14	0.487		0.455		0.679		ND		0.826		0.972		1.09		1.00		31.3
Arsenic	20	6.48		5.33		6.28		9.02		9.02		3.71		2.52		6.64		16.1
Barium	700	19.2		15.9		16.9		22.8		14.1		11.4		11.3		18.8		82.2
Beryllium	2	0.463		0.378		0.52		0.691		0.261		0.312		0.222		0.511		0.477
Cadmium	39	ND		ND		0.12		ND		ND		0.171		0.25		0.16		0.884
Calcium	NLE	1090		2600		1840		562		264		337		320		378		504
Chromium	NLE	44.7		42.4		52.4		58.9		24.2		28.5		19.5		60.8		55.1
Cobalt	NLE	1.70		4.19		2.08		2.58		1.15		1.47		0.992		1.78		2.99
Copper	600	5.16		12.2		8.51		9.35		13.4		11.9		13.4		64.1		275
Iron	NLE	17500		16600		20700		24700		8650		10900		6980		14600		15600
Lead	400	7.06		5.89		12.2		10.0		19.8		28.6		21.8		35.6		309
Magnesium	NLE	1450		2400		1990		1880		727		830		542		1400		1450
Manganese	NLE	37.2		69.4		47.5		64.5		25.7		31.3		26.2		46.4		176
Mercury	14	0.045		0.032		0.042		0.033		0.118		0.116		0.032		0.107		0.484
Nickel	250	5.41		12.3		5.66		5.98		2.49		3.06		2.30		4.85		8.85
Potassium	NLE	2590		1830		2470		3470		1490		1570		1120		2930		2240
Selenium	63	0.86		ND		ND		ND		ND		ND		ND		0.724		0.847
Silver	110	ND		ND		ND		ND		ND		ND		ND		ND		3.22
Sodium	NLE	108		101		90.4		115		129		94.3		121		74.7		159
Vanadium	370	33.7		36.7		42.9		47.6		18.6		23.0		15.8		39.9		37.2
Zinc	1500	36.7		25.1		62.2		34.9		21.2		27.6		21.1		56.2		241

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
CW-3A Landfill Site
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	4140.07	4140.08	4140.09	4140.10	4140.11	4140.12	4140.13	4140.14	4140.15	4140.16	4140.17	4140.18	4140.19	4140.20	4140.21	4140.22	4140.23
Field Sample Location	Cleanup	B26 (24")	B27 (6-12")	B27 (24")	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")
Sample Date	Criteria	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998
Volatiles (mg/kg)																		
Acetone	1000	ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	1000	ND		ND		ND		ND		ND		ND		ND		ND		ND
m+p-Xylenes	410	ND		ND		ND		ND		ND		ND		ND		ND		ND
Methylene Chloride	49	1.80		2.30		1.90		1.80		1.90		2.00		2.10		2.00		2.30
o-Xylene	410	ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	1000	ND		ND		ND		ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)																		
Naphthalene	230		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	NLE		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	3400		ND		ND		ND		ND		ND		ND		ND		ND	
Dibenzofuran	NLE		ND		ND		ND		ND		ND		ND		ND		ND	
Diethylphthalate	10,000		ND		0.12J		ND		ND		ND		ND		ND		ND	
Fluorene	2300		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	NLE		0.29J		ND		ND		ND		ND		ND		ND		0.53J	
Anthracene	10,000		ND		ND		ND		ND		ND		ND		ND		0.13J	
Di-n-butylphthalate	5700		1.20J		0.03		0.		0.		0.		0.36J		0.74J		0.30J	
Fluoranthene	2300		0.40J		ND		ND		ND		ND		ND		ND		1.10	
Butylbenzylphthalate	1100		ND		ND		ND		ND		ND		ND		ND		ND	
Benzo[a]anthracene	0.9		0.28J		ND		ND		ND		ND		ND		ND		0.81J	
Chrysene	9		0.43J		ND		0.043J		ND		ND		ND		ND		1.10	
bis(2-Ethylhexyl)phthalate	49		0.23J		0.15J		0.12J		0.32J		0.22J		0.17J		0.19J		ND	
Benzo[b]fluoranthene	0.9		0.28J		ND		ND		ND		ND		ND		ND		0.47J	
Benzo[k]fluoranthene	0.9		0.30J		ND		ND		ND		ND		ND		ND		0.62J	
Benzo[a]pyrene	0.66		0.34J		ND		ND		ND		ND		ND		ND		0.66J	
Indeno[1,2,3-cd]pyrene	0.9		0.14J		ND		ND		ND		ND		ND		ND		0.22J	
Dibenz[a,h]anthracene	0.66		ND		ND		ND		ND		ND		ND		ND		ND	
Benzo[g,h,i]perylene	NLE		ND		ND		ND		ND		ND		ND		ND		0.30J	
Pyrene	1700		0.56J		ND		ND		ND		ND		ND		ND		1.90	
Pesticides/PCBs (mg/kg)																		
Heptachlor	0.15		ND		ND		ND		ND		ND		ND		ND		ND	
4,4'-DDE	2		0.279		ND		0.004		ND		ND		0.028		0.041		0.009	
Dieldrin	0.042		ND		ND		ND		ND		ND		ND		0.006		ND	
Endrin Aldehyde	NLE		ND		ND		ND		ND		ND		ND		ND		ND	
4,4'-DDD	3		0.093		ND		ND		ND		ND		0.01		0.017		ND	
4,4'-DDT	2		0.892		0.007		0.007		ND		ND		0.026		0.079		0.016	
Arochlor 1254	0.49		ND		ND		ND		ND		ND		ND		ND		ND	
Arochlor 1260	0.49		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)																		
Aluminum	NLE		7850		8140		10200		8010		10000		3860		2300		1130	
Antimony	14		3.90		ND		ND		ND		0.828		ND		ND		0.683	
Arsenic	20		7.10		6.90		7.33		7.75		9.45		7.57		4.24		2.01	
Barium	700		77.2		18.0		19.3		16.4		35.0		26.1		22.4		5.44	
Beryllium	2		0.561		0.601		0.557		0.648		0.595		0.466		0.159		ND	
Cadmium	39		0.914		0.22		ND		ND		0.472		2.25		0.228		0.19	
Calcium	NLE		651		948		746		722		729		989		1530		197	
Chromium	NLE		51.2		54.1		51.5		56.3		52.2		34.4		3.18		10.8	
Cobalt	NLE		2.29		2.22		2.22		2.03		2.74		1.09		1.98		0.50	
Copper	600		250		5.44		3.98		6.18		25.2		3.26		11.1		8.06	
Iron	NLE		19000		19600		18600		20300		19300		13800		2590		4320	
Lead	400		72.6		10.2		6.56		36.4		36.4		4.56		11.9		13.9	
Magnesium	NLE		1540		1780		1580		1900		1700		847		99.9		172	
Manganese	NLE		54.0		57.2		47.5		75.0		47.5		46.0		44.2		11.8	
Mercury	14		0.341		0.032		0.033		0.037		0.131		0.037		0.052		0.036	
Nickel	250		14.6		5.31		5.53		5.08		8.21		3.54		4.41		1.38	
Potassium	NLE		2780		3040		2460		3630		2890		1310		259		204	
Selenium	63		1.06		ND		0.607		0.684		0.747		ND		ND		ND	
Silver	110		1.70		ND		ND		ND		ND		ND		ND		ND	
Sodium	NLE		130		90.2		104		59.6		84.1		67.0		135		50.8	
Vanadium	370		39.8		43.1		44.7		43.5		41.2		21.9		7.17		11.3	
Zinc	1500		543		29.0		29.8		32.5		88.5		112		86.3		16.3	

Table 4-1
Soil Sampling Results
CW-3A Landfill Site
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	4140.24	4140.25	4140.26	4140.27	4140.28	4140.29	4140.30	4140.31	4141.02	4141.03	4141.04	4141.05	4141.06	4141.07	4141.08	4141.09	4141.10
Field Sample Location	Cleanup	B35 (6-12")	B35 (24")	B36 (6-12")	B36 (24")	B37 (6-12")	B37 (24")	B38 (6-12")	B38 (24")	B39 (6-12")	B39 (24")	B40 (6-12")	B40 (24")	B41 (6-12")	B41 (24")	B42 (6-12")	B42 (24")	B43 (6-12")
Sample Date	Criteria	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/14/1998	12/15/1998	12/15/1998	12/15/1998	12/15/1998	12/15/1998	12/15/1998	12/15/1998	12/15/1998	12/15/1998
Volatiles (mg/kg)																		
Acetone	1000		12.0		ND		ND		ND		ND		ND		ND		ND	
Ethylbenzene	1000		ND		ND		ND		ND		ND		ND		ND		ND	
m+p-Xylenes	410		ND		ND		ND		ND		ND		ND		ND		ND	
Methylene Chloride	49		0.85		0.82		ND		ND		ND		ND		ND		ND	
o-Xylene	410		ND		ND		ND		ND		ND		ND		ND		ND	
Toluene	1000		ND		ND		ND		ND		ND		ND		ND		ND	
Semi-Volatiles (mg/kg)																		
Naphthalene	230	ND		ND		ND		ND		ND		ND		ND		ND		ND
Acenaphthylene	NLE	0.15J		ND		0.16J		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
Phenanthrene	NLE	ND		0.22J		0.52J		ND		ND		ND		ND		ND		ND
Anthracene	10,000	ND		ND		ND		ND		ND		ND		ND		ND		ND
Di-n-butylphthalate	5700	0.69J		0.		1.10J		0.76J		0.		0.75J		0.		0.89J		0.35J
Fluoranthene	2300	ND		0.28J		0.59J		ND		ND		ND		ND		ND		ND
Butylbenzylphthalate	1100	ND		ND		ND		ND		ND		ND		ND		ND		ND
Benzo[a]anthracene	0.9	0.15J		0.12J		0.36J		0.12J		ND		ND		ND		ND		ND
Chrysene	9	0.25J		0.17J		0.73J		0.16J		ND		ND		ND		ND		ND
bis(2-Ethylhexyl)phthalate	49	0.17J		0.14J		0.14J		ND		ND		0.01		0.		ND		ND
Benzo[b]fluoranthene	0.9	0.29J		0.12J		0.35J		ND		ND		ND		ND		ND		ND
Benzo[k]fluoranthene	0.9	0.28J		0.12J		0.37J		0.11J		ND		ND		ND		ND		ND
Benzo[a]pyrene	0.66	0.45J		0.12J		0.37J		0.13J		ND		ND		ND		ND		ND
Indeno[1,2,3-cd]pyrene	0.9	0.19J		ND		0.14J		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	0.28J		ND		0.20J		ND		ND		ND		ND		ND		ND
Pyrene	1700	0.22J		0.26J		1.20		0.16J		ND		ND		ND		ND		ND
Pesticides/PCBs (mg/kg)																		
Heptachlor	0.15	ND		ND		ND		ND		ND		ND		ND		ND		ND
4,4'-DDE	2	0.014		0.057		0.03		0.031		ND		ND		ND		ND		ND
Dieldrin	0.042	ND		0.032		0.024		ND		ND		ND		ND		ND		ND
Endrin Aldehyde	NLE	ND		0.025		ND		ND		ND		ND		ND		ND		ND
4,4'-DDD	3	ND		0.017		0.044		ND		ND		ND		ND		ND		ND
4,4'-DDT	2	0.027		0.071		0.143		0.041		ND		ND		ND		ND		ND
Arochlor 1254	0.49	ND		ND		0.467		ND		ND		ND		ND		ND		ND
Arochlor 1260	0.49	ND		0.253		ND		ND		ND		ND		ND		ND		ND
Metals (mg/kg)																		
Aluminum	NLE	1810		1560		1740		4550		6940		11500		7740		8990		12200
Antimony	14	ND		0.878		1.23		5.55		0.693		ND		ND		1.39		1.59
Arsenic	20	3.00		5.20		4.91		6.54		7.39		8.35		5.77		7.53		22.7
Barium	700	6.98		29.1		18.5		59.4		15.1		31.5		19.2		22.2		90.8
Beryllium	2	1.55		0.157		0.147		0.231		0.621		0.684		0.424		0.531		1.23
Cadmium	39	0.211		0.506		0.416		2.39		ND		ND		ND		ND		0.909
Calcium	NLE	270		327		684		1100		469		2200		625		1100		3590
Chromium	NLE	14.7		13.5		21.3		26.7		57.5		62.8		41.6		51.6		30.1
Cobalt	NLE	0.718		0.515		1.13		2.49		1.93		2.69		2.24		1.91		8.62
Copper	600	4.52		17.7		18.9		1260		10.4		5.14		5.97		4.41		59.2
Iron	NLE	6130		4960		6020		16300		20500		22900		15600		196000		35700
Lead	400	8.57		21.0		48.0		266		7.72		7.91		17.6		40.0		40.0
Magnesium	NLE	245		236		438		383		1720		2050		1120		1480		624
Manganese	NLE	18.2		12.8		34.0		499		48.9		65.0		43.2		44.5		114
Mercury	14	0.031		0.047		0.062		0.121		0.051		0.057		0.055		0.057		0.096
Nickel	250	1.58		9.33		3.29		15.5		4.95		7.02		5.02		5.46		23.6
Potassium	NLE	220		284		364		314		3070		3330		1980		2740		1820
Selenium	63	ND		ND		ND		0.753		0.907		ND		0.739		ND		2.51
Silver	110	ND		1.51		ND		1.55		ND		ND		ND		ND		ND
Sodium	NLE	38.4		103		54.1		93.1		127		158		130		122		351
Vanadium	370	16.0		13.0		19.2		25.5		45.7		51.2		36.2		42.6		37.2
Zinc	1500	182		40.0		64.1		1380		36.0		39.2		35.8		38.2		413

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
CW-3A Landfill Site
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	4141.11	4141.12	4141.13	4141.14	4141.15	4141.16	4141.17	4141.18	4141.19	4141.20	4141.21
Field Sample Location	Cleanup	B43 (24")	B44 (6-12")	B44 (24")	B45 (6-12")	B45 (24")	B46 (6-12")	B46 (24")	B47 (6-12")	B47 (24")	B48 (6-12")	B48 (24")
Sample Date	Critera	12/15/1998	12/15/1998	12/15/1998	12/15/1998	12/15/1998	12/15/1998	12/15/1998	12/15/1998	12/15/1998	12/15/1998	12/15/1998
Volatiles (mg/kg)												
Acetone	1000	ND		ND		ND		ND		ND		ND
Ethylbenzene	1000	ND		ND		ND		ND		ND		ND
m+p-Xylenes	410	ND		ND		ND		ND		ND		ND
Methylene Chloride	49	ND		11.0		0.87		1.00		0.87		0.86
o-Xylene	410	ND		ND		ND		ND		ND		ND
Toluene	1000	ND		ND		ND		ND		ND		ND
Semi-Volatiles (mg/kg)												
Naphthalene	230		ND		ND		ND		ND		ND	
Acenaphthylene	NLE		ND		ND		ND		ND		ND	
Acenaphthene	3400		ND		ND		ND		ND		ND	
Dibenzofuran	NLE		ND		ND		ND		ND		ND	
Diethylphthalate	10,000		ND		ND		ND		ND		ND	
Fluorene	2300		ND		ND		ND		ND		ND	
Phenanthrene	NLE		1.20		0.28J		ND		ND		ND	
Anthracene	10,000		0.19J		ND		ND		ND		ND	
Di-n-butylphthalate	5700		0.41J		0.		0.80J		0.89J		0.80J	
Fluoranthene	2300		1.50		0.26J		ND		ND		ND	
Butylbenzylphthalate	1100		ND		ND		ND		ND		ND	
Benzo[a]anthracene	0.9		0.76J		0.11J		ND		ND		ND	
Chrysene	9		0.91J		0.20J		ND		ND		ND	
bis(2-Ethylhexyl)phthalate	49		ND		0.11J		ND		ND		ND	
Benzo[b]fluoranthene	0.9		0.48J		0.11J		ND		ND		ND	
Benzo[k]fluoranthene	0.9		0.63J		0.13J		ND		ND		ND	
Benzo[a]pyrene	0.66		0.65J		0.11J		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9		0.25J		ND		ND		ND		ND	
Dibenz[a,h]anthracene	0.66		ND		ND		ND		ND		ND	
Benzo[g,h,i]perylene	NLE		0.34J		ND		ND		ND		ND	
Pyrene	1700		2.10		0.34J		ND		ND		ND	
Pesticides/PCBs (mg/kg)												
Heptachlor	0.15		0.109		ND		ND		ND		ND	
4,4'-DDE	2		ND		0.024		0.007		ND		ND	
Dieldrin	0.042		ND		ND		ND		ND		ND	
Endrin Aldehyde	NLE		ND		ND		ND		ND		ND	
4,4'-DDD	3		ND		ND		ND		ND		ND	
4,4'-DDT	2		ND		0.06		0.015		ND		ND	
Arochlor 1254	0.49		ND		ND		ND		ND		ND	
Arochlor 1260	0.49		ND		ND		ND		ND		ND	
Metals (mg/kg)												
Aluminum	NLE		10400		3190		6500		8230		7400	
Antimony	14		1.43		0.933		0.524		ND		ND	
Arsenic	20		9.66		5.52		5.46		5.74		7.98	
Barium	700		145		17.6		24.2		15.5		11.3	
Beryllium	2		0.886		0.261		0.627		0.40		0.672	
Cadmium	39		0.667		0.0897		0.185		0.175		ND	
Calcium	NLE		1550		252		607		211		125	
Chromium	NLE		49.4		33.1		71.2		43.1		59.6	
Cobalt	NLE		7.63		1.27		1.56		1.50		1.79	
Copper	600		78.2		17.0		6.98		3.23		2.11	
Iron	NLE		25100		11000		16700		16300		20700	
Lead	400		65.9		33.2		20.4		4.80		4.27	
Magnesium	NLE		1440		665		1800		1090		1650	
Manganese	NLE		228		23.7		31.8		29.2		33.5	
Mercury	14		0.243		0.037		0.25		0.055		0.028	
Nickel	250		18.3		3.34		4.33		5.03		4.89	
Potassium	NLE		3190		1350		4040		1470		3230	
Selenium	63		1.37		ND		ND		ND		ND	
Silver	110		0.792		ND		ND		ND		ND	
Sodium	NLE		291		86.9		98.3		135		87.5	
Vanadium	370		36.9		23.7		44.2		37.2		49.8	
Zinc	1500		189		28.0		53.2		42.9		40.4	

Table 4-2
Borings in Which Detections Exceeded Criteria
CW3A Landfill
Fort Monmouth, New Jersey

<u>Boring ID</u>	<u>Analyte</u>
<i>SVOCs - 1 Borings</i>	
B25	Benzo(a)anthracene Benzo(a)pyrene Benzo(k)fluoranthene
<i>Metals - 4 Borings</i>	
B15	Copper Lead
B26	Antimony
B38	Copper
B43	Arsenic

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

Table 4-3
Laboratory Analysis Exceedance Summary
CW3A Landfill
Fort Monmouth, New Jersey

Analyte Name	RDCSC	Units	Number of Exceedances	Minimum Exceedance	Boring ID (Min)	Maximum Exceedance	Boring ID (Max)	Average Exceedance
<u>SVOCs</u>								
Benzo(a)anthracene	0.9	mg/kg	1	1.1	B25	1.1	B25	1.10
Benzo(a)pyrene	0.66	mg/kg	1	1.1	B25	1.1	B25	1.10
Benzo(k)fluoranthene	0.9	mg/kg	1	0.99	B25	0.99	B25	0.99
<u>Metals</u>								
Antimony	14	mg/kg	1	31.3	B26	31.3	B26	31.30
Arsenic	20	mg/kg	1	22.7	B43	22.7	B43	22.70
Copper	600	mg/kg	2	1260	B38	4040	B15	2650.00
Lead	400	mg/kg	1	473	B15	473	B15	473.00

Notes:

RDCSCC = Residential Direct Contact Cleanup Criteria pre N.J.A.C. 7:26D.

VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds.

Pest/PCBs = Pesticides/Polychlorinated-Biphenyls.

Site Specific Maximum Concentrations were developed by Weston (1995) and may apply to arsenic and thallium in determining whether compliance averaging can be used per NJDEP (Spring 1995).

Table 4-4
Compliance Analysis Method Summary
CW3A Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Average Area	RDCSCC	Units	Compliance Analysis Decision
<u>SVOCs</u>				
Benzo(a)anthracene	AREA SVOC-1	0.9	mg/kg	Compliance averaging used.
Benzo(a)pyrene	AREA SVOC-1	0.66	mg/kg	Compliance averaging not allowed due to exceedance of 0.9 ppm limit for Benzo(a)pyrene.
Benzo(k)fluoranthene	AREA SVOC-1	0.9	mg/kg	Compliance averaging used.
<u>Metals</u>				
Antimony	AREA METALS-1	14	mg/kg	Compliance averaging used.
Arsenic	AREA METALS-1	20	mg/kg	Compliance averaging used because results were below the site-specific maximum (22.9 mg/kg, Weston-1995).
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 used.

Notes:

RDCSCC = Residential Direct Contact Cleanup Criteria per 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
CW3A Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Area	RDCSCC	Boring ID	Result	Units	Exceeds Criteria	MDL	Dilution Factor	Result Used for Average
<u>SVOCs</u>									
<i>Benzo(a)anthracene</i>									
	AREA SVOC-1								
Benzo(a)anthracene	AREA SVOC-1	0.9	B24	ND	mg/kg	no	1.1		0.55
Benzo(a)anthracene	AREA SVOC-1	0.9	B25	1.1	mg/kg	yes			1.1
Benzo(a)anthracene	AREA SVOC-1	0.9	B34	0.81J	mg/kg	no			0.81
Benzo(a)anthracene	AREA SVOC-1	0.9	B35	0.15J	mg/kg	no			0.15
Compliance Average Result:									0.653
<i>Benzo(k)fluoranthene</i>									
	AREA SVOC-1								
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B24	ND	mg/kg	no	1.1		0.55
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B25	0.99J	mg/kg	yes			0.99
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B34	0.62J	mg/kg	no			0.62
Benzo(k)fluoranthene	AREA SVOC-1	0.9	B35	0.28J	mg/kg	no			0.28
Compliance Average Result:									0.610

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 Detection 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
CW3A Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Area	RDCSCC	Boring ID	Result	Units	Exceeds Criteria	MDL	Dilution Factor	Result Used for Average
<u>Metals</u>									
<i>Antimony</i>									
AREA METALS-1									
Antimony	AREA METALS-1	14	B15	12.5	mg/kg	no			12.5
Antimony	AREA METALS-1	14	B23	0.972	mg/kg	no			0.972
Antimony	AREA METALS-1	14	B24	1.09	mg/kg	no			1.09
Antimony	AREA METALS-1	14	B25	1.00	mg/kg	no			1
Antimony	AREA METALS-1	14	B26	31.3	mg/kg	yes			31.3
Antimony	AREA METALS-1	14	B33	ND	mg/kg	no	0.502		0.251
Antimony	AREA METALS-1	14	B34	0.683	mg/kg	no			0.683
Antimony	AREA METALS-1	14	B35	ND	mg/kg	no	0.483		0.2415
Antimony	AREA METALS-1	14	B36	0.878	mg/kg	no			0.878
Antimony	AREA METALS-1	14	B37	1.23	mg/kg	no			1.23
Antimony	AREA METALS-1	14	B38	5.55	mg/kg	no			5.55
Antimony	AREA METALS-1	14	B43	1.59	mg/kg	no			1.59
Antimony	AREA METALS-1	14	B44	1.43	mg/kg	no			1.43
Compliance Average Result:									4.517
<i>Lead</i>									
AREA METALS-1									
Lead	AREA METALS-1	400	B15	473	mg/kg	yes			473
Lead	AREA METALS-1	400	B23	28.6	mg/kg	no			28.6
Lead	AREA METALS-1	400	B24	21.8	mg/kg	no			21.8
Lead	AREA METALS-1	400	B25	35.6	mg/kg	no			35.6
Lead	AREA METALS-1	400	B26	309	mg/kg	no			309
Lead	AREA METALS-1	400	B33	11.9	mg/kg	no			11.9
Lead	AREA METALS-1	400	B34	13.9	mg/kg	no			13.9
Lead	AREA METALS-1	400	B35	8.57	mg/kg	no			8.57
Lead	AREA METALS-1	400	B36	21.0	mg/kg	no			21
Lead	AREA METALS-1	400	B37	48.0	mg/kg	no			48
Lead	AREA METALS-1	400	B38	266	mg/kg	no			266
Lead	AREA METALS-1	400	B43	40.0	mg/kg	no			40
Lead	AREA METALS-1	400	B44	65.9	mg/kg	no			65.9
Compliance Average Result:									103.328

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 Detection 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
CW3A Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Average Area	RDCSCC	Units	Compliance Averaging Performed	Compliance Average Result	Compliance Analysis Result
<u>SVOCs</u>						
Benzo(a)anthracene	AREA SVOC-1	0.9	mg/kg	Yes	0.653	Compliance average below RDCSCC. No Further Action is warranted.
Benzo(a)pyrene	AREA SVOC-1	0.66	mg/kg	No		Given the scattered distribution of exceedances,site conditions, and limited public access to the site, No Further Action is warranted. The DPW will incorporate a document equivalent to a DER into the Fort Monmouth Master Plan.
Benzo(k)fluoranthene	AREA SVOC-1	0.9	mg/kg	Yes	0.610	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.

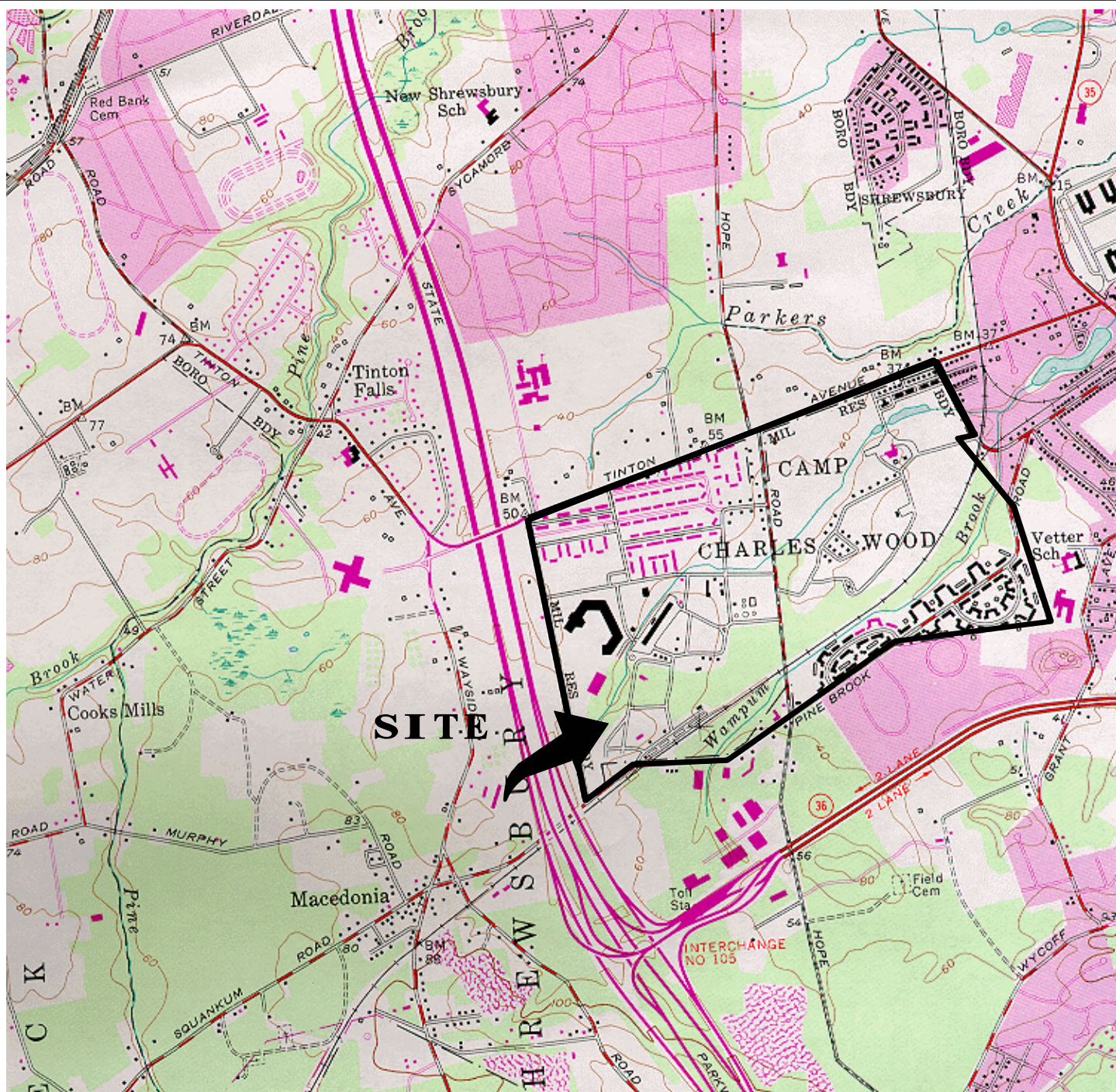
DER = Declaration of Environmental Restriction.

Table 4-6
Compliance Analysis Results Summary
CW3A Landfill
Fort Monmouth, New Jersey

Analyte Name	Compliance Average Area	RDCSCC	Units	Compliance Averaging Performed	Compliance Average Result	Compliance Analysis Result
<u>Metals</u>						
Antimony	AREA METALS-1	14	mg/kg	Yes	4.517	Compliance average below RDCSCC. No Further Action is warranted.
Arsenic	AREA METALS-1	20	mg/kg	No		Sample results below site-specific maximum. No Further Action is warranted.
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	Yes	103.328	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.

FIGURES



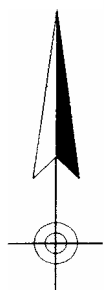
LONG BRANCH, N. J.

40073-C8-TF-024

1954

PHOTOREVISED 1981

DMA 6164 I SE-SERIES V822



QUADRANGLE LOCATION

Figure 2-1
Site Location Map
CW-3A Landfill Site
Fort Monmouth, New Jersey

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

Mapped, edited and published by the Geological Survey

Geologic Map of New Jersey

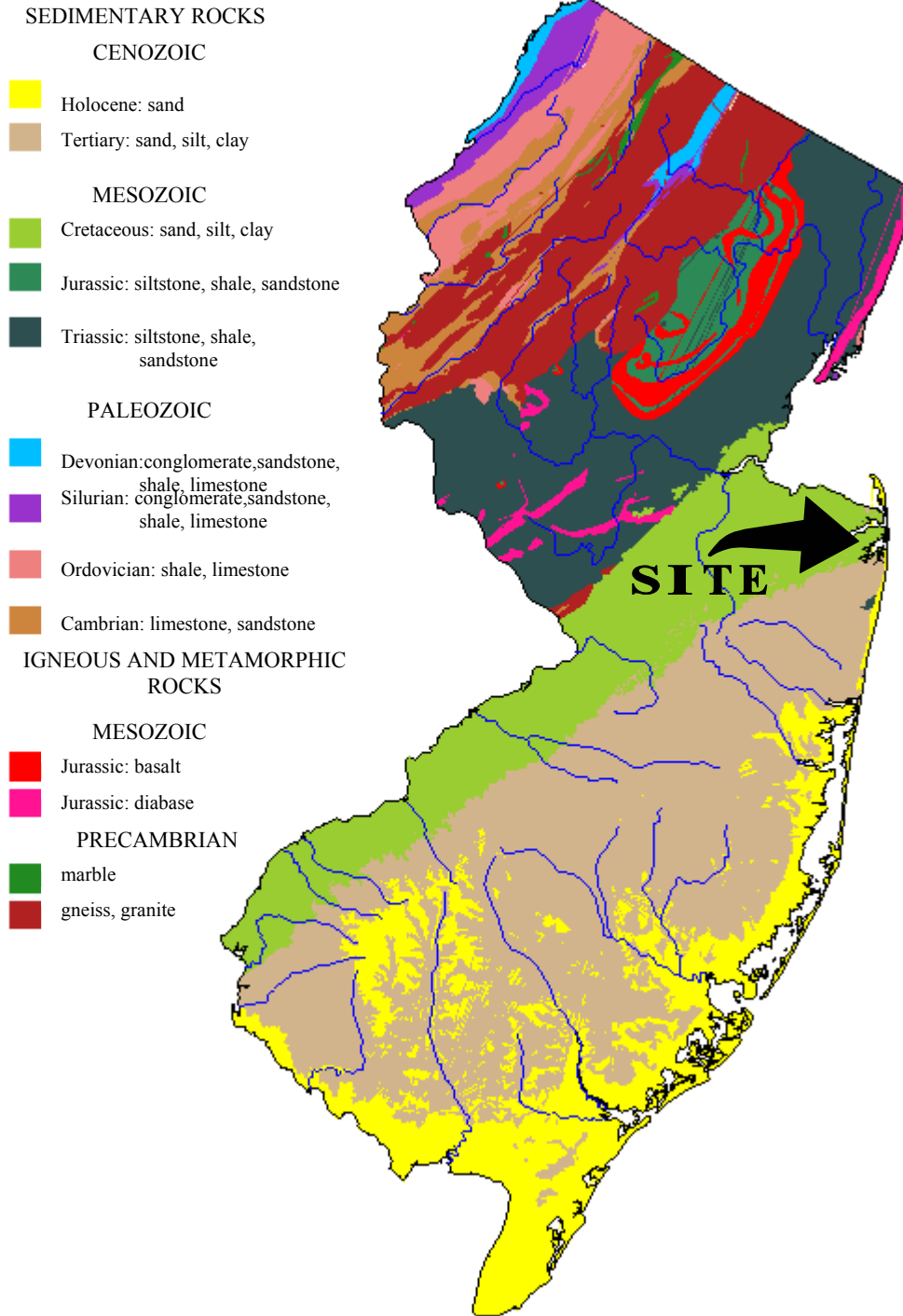
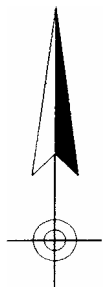
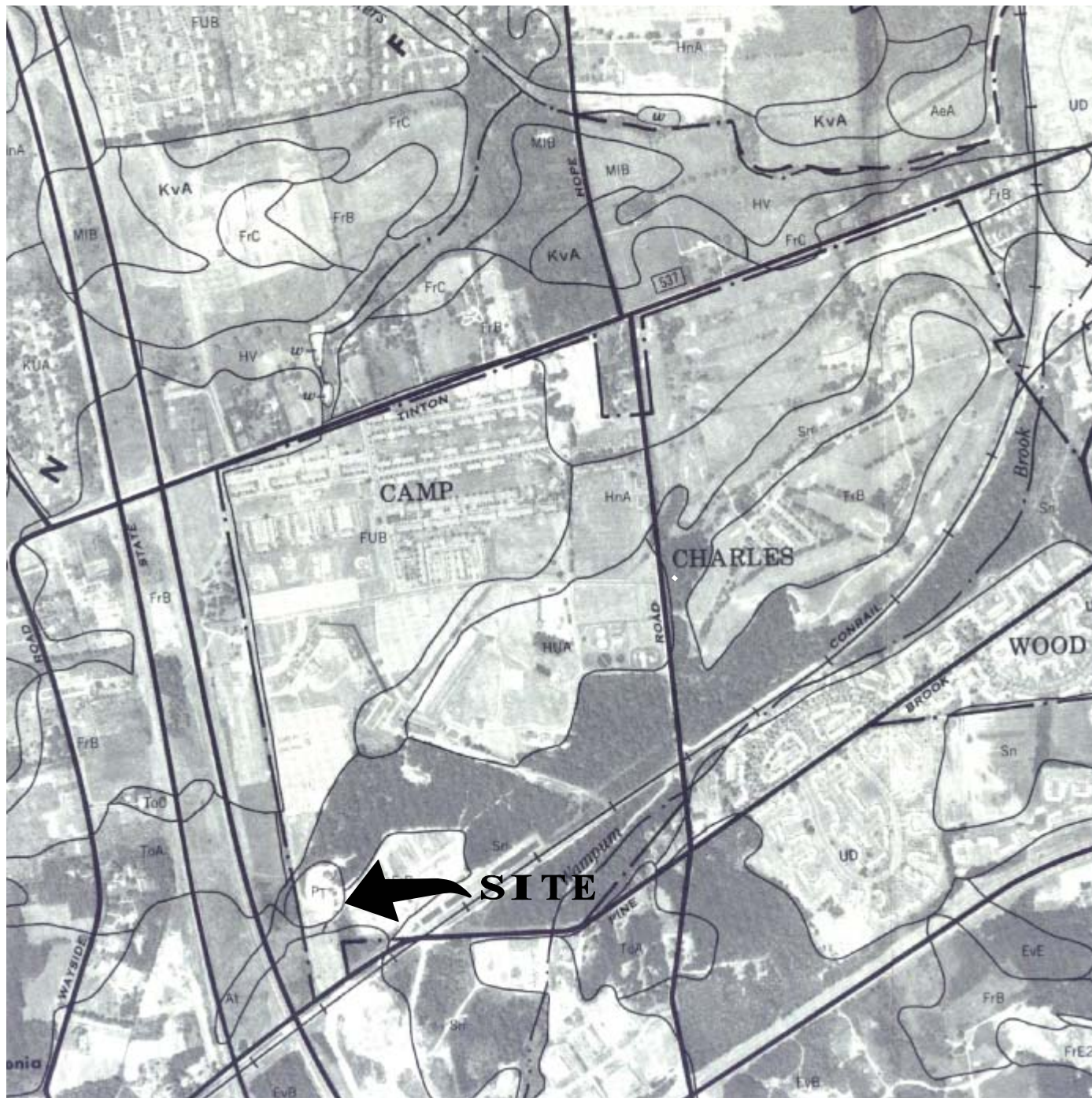


Figure 2-2
Geologic Map of New Jersey
CW-3A Landfill Site
Fort Monmouth, New Jersey

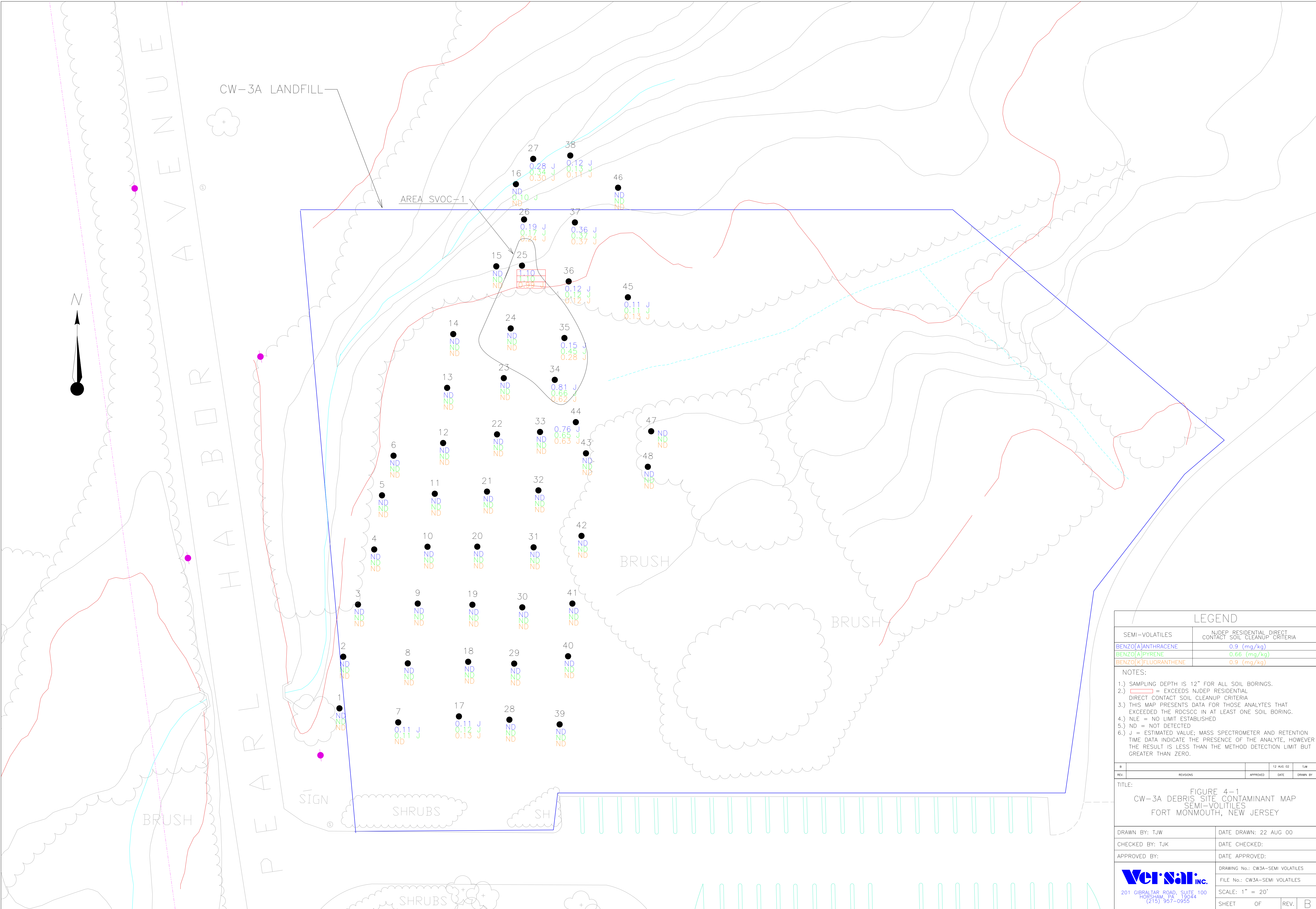
Versar INC. 201 Gibraltar Road, Suite 100
 Horsham, PA 19044
 (215) 957-0955



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

Figure 2-3
Soil Map of Monmouth County
CW-3A Landfill Site
Fort Monmouth, New Jersey

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



LEGEND

SEMI-VOLATILES	NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
BENZO[A]ANTHRACENE	0.9 (mg/kg)
BENZO[A]PYRENE	0.66 (mg/kg)
BENZO[K]FLUORANTHENE	0.9 (mg/kg)

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

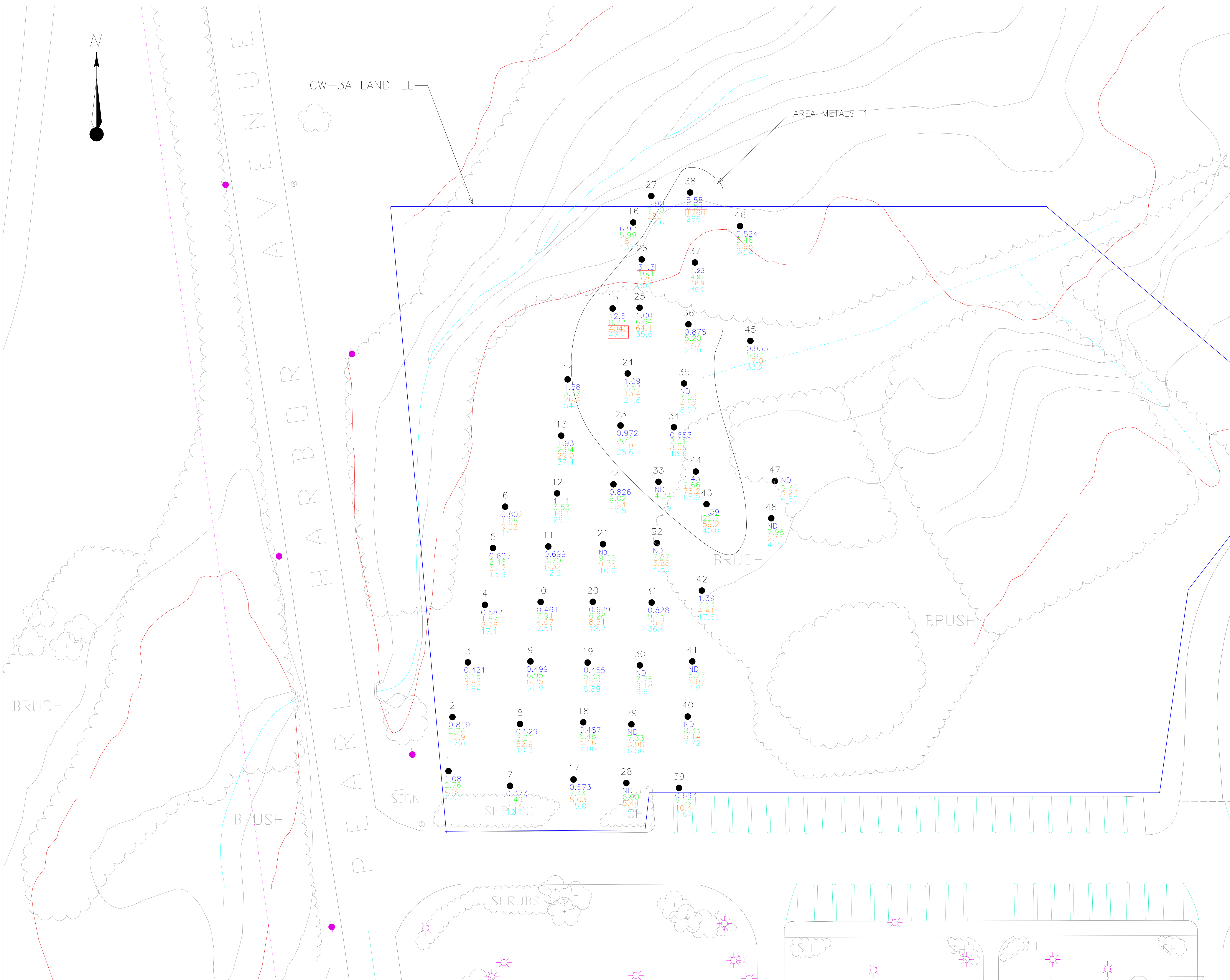
REV.	REVISIONS	APPROVED	DATE	TJW

TITLE:
FIGURE 4-1
CW-3A DEBRIS SITE CONTAMINANT MAP
SEMI-VOLATILES
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJW	DATE DRAWN: 22 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.: CW3A-SEMI VOLATILES
FILE No.: CW3A-SEMI VOLATILES
SCALE: 1" = 20'
SHEET OF REV. B



LEGEND

METALS	NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA
ANTIMONY	14 (mg/kg)
ARSENIC	20 (mg/kg)
COPPER	600 (mg/kg)
LEAD	400 (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 RODSOC IN AT LEAST ONE SOIL BORING.
4.) NLE = NO LIMIT ESTABLISHED
5.) ND = NOT DETECTED

8	REVIEW EDITS	12 AUG 02	TJW
REV	REVISIONS	APPROVED	DATE

TITLE:

FIGURE 4-2
CW-3A DEBRIS SITE CONTAMINANT MAP
METALS
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJW

DATE DRAWN: 01 AUG 02

CHECKED BY: TJK

DATE CHECKED:

APPROVED BY:

DATE APPROVED:

Versar inc.

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

DRAWING No.: CW3A-METALS

FILE No.: CW3A-METALS

SCALE: 1" = 20'

SHEET OF

REV.: B

Remedial Investigation Soil Sample Analysis

-Include Samples within Area of Concern, at same depth interval
-Do not average results exceeding 10,000 ppm total organic limit or 1,000 ppm total volatile limit

Contaminant Exceeds Soil Cleanup Criteria
(or Site-Specific Maximum)

CONTAMINANT SPECIFIC CONDITIONS

Criterion ≤ 10 ppm
Result > lesser of
(10*Criterion) &
(Criterion + 50 ppm)?

Criterion > 10 ppm & Criterion ≤ 100 ppm
Result > lesser of (5*Criterion)
& (Criterion + 200 ppm)?

Criterion > 100 ppm

Result > 2*Criterion?

Arsenic or Thallium
Result > Established
Site Specific
Maximum?

Benzo(a)pyrene and
Dibenzo(a,h)anthracene
Result > 0.9 ppm?

Beryllium
Result > 2
ppm?

Exceptions - Contact NJDEP
Case Manager:
Bis(2-chloroethyl)ether
Hexachlorobenzene
N-nitrosodi-n-propylamine

YES
NO

COMPLIANCE AVERAGING

Calculate Average Results for Area of Concern

- Use Arithmetic Mean (for Total PCBs, take totals first, then calculate average).
- Use 1/2 MDL for non-detect ("ND") results (For Total PCBs, use 1/2 highest MDL).
- If a diluted sample has an "ND" result, do not use this result in calculating average.
- If a result is estimated ("J" qualifier), use the estimated value in calculating average.

Is avg. below Criterion?

YES

YES

No Further Action

Does the average meet the following conditions for *de minimus* exceedance?

- 1) Contaminant levels meet same conditions as shown above for averaging (i.e. ceilings and multiplication factors based on criterion, arsenic/thallium, beryllium)
- 2) Contaminated soil within area of concern is confined to a 6-inch layer over 10 foot radius (or, if area is larger, site-specific factors lead to *de minimus* area determined)
- 3) Evaluation of contaminant mass, persistence, location indicates limited potential for significant human health or environmental impacts.
- 4) There is only one *de minimus* exemption per area of concern.

YES

NO

Are concentrations or compliance avg. MARGINALLY above criterion (within 1 or 2 mg/kg)?

YES

Are there potential human health or ecological effect?

NO

YES

Incorporate Equivalent to DER into
the Fort Monmouth Master Plan

Consider Remedial
Alternatives

Figure 4-3
Compliance Analysis Decision Tree
CW-3A Landfill
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 CW-3A 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 statute 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.

A handwritten signature in black ink, reading "Joseph M. Fallon". The signature is written in a cursive style with a large, stylized "F".

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 CW-3A Landfill Site, dated August 10, 1998**



State of New Jersey

Christine Todd Whitman
Governor

Department of Environmental Protection

Robert C. Shinn, Jr.
Commissioner

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

AUG 10 1998

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,

A handwritten signature in black ink, appearing to read "Ian R. Curtis".

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

FTMMTH53.DOC

APPENDIX C

**Roy F. Weston, Inc. Site Investigation Report, December 1995; Section
4.2.8 – Debris Site CW-3A (CW-3A)**

4.3.5 Debris Site (CW-3A)

4.3.5.1 Site Location

Debris Site CW-3A is located west of the CW-3 area, north of Pulse Power, Building 2707 (Figure 4.3-6). The approximate area of site CW-3A is 116,000 ft² (2.6 acres).

4.3.5.2 Site History

According to long-term Fort Monmouth employees, the area north of Pulse Power was used as a disposal area. The 1957 aerial photograph shows the CW-3A area with bare ground. According to *Fort Monmouth History and Place Names, 1917-1959*, 90 buildings at Charles Wood were razed in late 1955 and during 1956. It is possible that the demolition debris from these buildings was placed in this area. In the 1974 aerial photo, a steel igloo is visible on this area. By 1986, the western part of this area had not revegetated. During the 1993 site visit, some small debris was observed in the woods.

4.3.5.3 Sampling Effort

Site CW-3A is also presented in Figure 4.3-6. Surface geophysics were conducted in this area because it was not known if subsurface disposal had occurred in this area and in accessible cleared areas to the southeast in the construction areas. Magnetic and electromagnetic (EM-31) measurements were collected on 10-ft centers. GPR was also used to assess the degree of subsurface soil disturbance.

4.3.5.4 Geophysical Results

The geophysical investigation at Charles Wood site CW-3A utilized EM, MAG, and GPR methods to characterize the site. Prior to the investigation, a site walk revealed numerous metallic objects on the surface in the form of pipes, sheet metal, metal cans, and concrete, as well as nonmetallic objects such as asphalt and construction debris. The debris was noted and considered during data interpretation.



The EM survey revealed prominent anomalous signatures not attributed to surface debris at grid coordinates 40N to 70N/40E to 70E and 140N to 160N/190E to 210E. These anomalies are shown on the EM quadrature and in-phase contour plots, Figures 4.3-7 and 4.3-8, respectively, as either violet or blue contour intervals (high and low conductivity, respectively). These two EM anomalies are confirmed by the magnetometer survey as being ferrous material. As shown on the total magnetic field and magnetic gradient contour plots, Figures 4.3-9 and 4.3-10, respectively, these anomalies are represented as a high and low pair or magnetic dipole with violet and blue contour intervals. Other subtle anomalies exist throughout the area, as depicted on the EM in-phase plot in Figure 4.3-8, which may indicate metallic debris. However, the size and magnitude of these EM signals are negligible. Also, the EM quadrature plot (Figure 4.3-7) shows high apparent conductivity, represented by the violet contour interval, along the north and western borders of the site. This higher conductivity may be due to a subsurface change in lithology.

The GPR survey at CW-3A revealed chaotic reflectors within grid coordinates 40N to 70N/40E to 70E, confirming the EM and MAG anomalies at a depth of approximately 2 to 3 ft bgs. These chaotic reflectors are indicative of buried metallic debris and are shown on the GPR profile along 60N in Figure 4.3-10A.

4.3.5.5 Recommendations

Geophysical surveys indicated two areas where subsurface metallic debris may be present.

Exploratory trenching will be performed to investigate areas where subsurface metallic debris may be present. Field screening will be conducted with a PID during the excavation. NJDEP will be requested to send a representative to observe the excavation. In the absence of elevated PID readings or evidence of subsurface debris, the excavation will be backfilled and no further action will be taken. If contamination is identified, then sampling will be conducted in accordance with the *Technical Requirements for Site Remediation* (NJDEP, 1993). Soil sample analytes will be collected and analyzed for the full range of contaminants.



APPENDIX D

Soil Borings Laboratory 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

CW-3A /LANDFILL

Field Location No. & Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Trip Blank	4124.01	Methanol	08-Dec-98	12/08/98
CW-3A 1 6-12"	4124.02	Soil	08-Dec-98 09:20	12/08/98
CW-3A 1 24"	4124.03	Soil	08-Dec-98 09:20	12/08/98
CW-3A 2 6-12"	4124.04	Soil	08-Dec-98 09:43	12/08/98
CW-3A 2 24"	4124.05	Soil	08-Dec-98 09:43	12/08/98
CW-3A 3 6-12"	4124.06	Soil	08-Dec-98 10:08	12/08/98
CW-3A 3 24"	4124.07	Soil	08-Dec-98 10:08	12/08/98
CW-3A 4 6-12"	4124.08	Soil	08-Dec-98 10:27	12/08/98
CW-3A 4 24"	4124.09	Soil	08-Dec-98 10:27	12/08/98
CW-3A 5 6-12"	4124.10	Soil	08-Dec-98 10:47	12/08/98
CW-3A 5 24"	4124.11	Soil	08-Dec-98 10:47	12/08/98
CW-3A 6 6-12"	4124.12	Soil	08-Dec-98 11:15	12/08/98
CW-3A 6 24"	4124.13	Soil	08-Dec-98 11:15	12/08/98
CW-3A 7 6-12"	4124.14	Soil	08-Dec-98 11:38	12/08/98
CW-3A 7 24"	4124.15	Soil	08-Dec-98 11:38	12/08/98
CW-3A 8 6-12"	4124.16	Soil	08-Dec-98 11:55	12/08/98
CW-3A 8 24"	4124.17	Soil	08-Dec-98 11:55	12/08/98
Trip Blank	4128.01	Methanol	09-Dec-98	12/09/98
CW-3A 9 6-12"	4128.02	Soil	09-Dec-98 09:30	12/09/98
CW-3A 9 24"	4128.03	Soil	09-Dec-98 09:30	12/09/98
CW-3A 10 6-12"	4128.04	Soil	09-Dec-98 09:53	12/09/98
CW-3A 10 24"	4128.05	Soil	09-Dec-98 09:50	12/09/98
CW-3A 11 6-12"	4128.06	Soil	09-Dec-98 10:07	12/09/98
CW-3A 11 24"	4128.07	Soil	09-Dec-98 10:07	12/09/98
CW-3A 12 6-12"	4128.08	Soil	09-Dec-98 10:40	12/09/98
CW-3A 12 24"	4128.09	Soil	09-Dec-98 10:40	12/09/98
CW-3A 13 6-12"	4128.10	Soil	09-Dec-98 10:50	12/09/98
CW-3A 13 24"	4128.11	Soil	09-Dec-98 10:50	12/09/98
CW-3A 14 6-12"	4128.12	Soil	09-Dec-98 11:10	12/09/98
CW-3A 14 24"	4128.13	Soil	09-Dec-98 11:10	12/09/98
CW-3A 15 6-12"	4128.14	Soil	09-Dec-98 11:25	12/09/98

SAMPLE LOCATION AND IDENTIFICATION

CW-3A 15 24"	4128.15	Soil	09-Dec-98 11:25	12/09/98
CW-3A 16 6-12"	4128.16	Soil	09-Dec-98 11:43	12/09/98
CW-3A 16 24"	4128.17	Soil	09-Dec-98 11:43	12/09/98
CW-3A 17 6-12"	4128.18	Soil	09-Dec-98 13:50	12/09/98
CW-3A 17 24"	4128.19	Soil	09-Dec-98 13:50	12/09/98
CW-3A 18 6-12"	4128.20	Soil	09-Dec-98 14:08	12/09/98
CW-3A 18 24"	4128.21	Soil	09-Dec-98 14:08	12/09/98
CW-3A 19 6-12"	4128.22	Soil	09-Dec-98 14:20	12/09/98
CW-3A 19 24"	4128.23	Soil	09-Dec-98 14:20	12/09/98
CW-3A 20 6-12"	4128.24	Soil	09-Dec-98 14:35	12/09/98
CW-3A 20 24"	4128.25	Soil	09-Dec-98 14:35	12/09/98
CW-3A 21 6-12"	4128.26	Soil	09-Dec-98 14:46	12/09/98
CW-3A 21 24"	4128.27	Soil	09-Dec-98 14:46	12/09/98
CW-3A 22 6-12"	4128.28	Soil	09-Dec-98 15:05	12/09/98
CW-3A 22 24"	4128.29	Soil	09-Dec-98 15:05	12/09/98
CW-3A 23 6-12"	4128.30	Soil	09-Dec-98 15:20	12/09/98
CW-3A 23 24"	4128.31	Soil	09-Dec-98 15:20	12/09/98
CW-3A Field Dup 6-12"	4128.32	Soil	09-Dec-98	12/09/98
CW-3A Field Dup 24"	4128.33	Soil	09-Dec-98	12/09/98
Trip Blank	4140.01	Methanol	14-Dec-98	12/14/98
CW-3A 24 6-12"	4140.02	Soil	14-Dec-98 09:55	12/14/98
CW-3A 24 24"	4140.03	Soil	14-Dec-98 09:55	12/14/98
CW-3A 25 6-12"	4140.04	Soil	14-Dec-98 10:18	12/14/98
CW-3A 25 24"	4140.05	Soil	14-Dec-98 10:18	12/14/98
CW-3A 26 6-12"	4140.06	Soil	14-Dec-98 10:40	12/14/98
CW-3A 26 24"	4140.07	Soil	14-Dec-98 10:40	12/14/98
CW-3A 27 6-12"	4140.08	Soil	14-Dec-98 11:00	12/14/98
CW-3A 27 24"	4140.09	Soil	14-Dec-98 11:00	12/14/98
CW-3A 28 6-12"	4140.10	Soil	14-Dec-98 11:26	12/14/98
CW-3A 28 24"	4140.11	Soil	14-Dec-98 11:26	12/14/98
CW-3A 29 6-12"	4140.12	Soil	14-Dec-98 11:40	12/14/98
CW-3A 29 24"	4140.13	Soil	14-Dec-98 11:40	12/14/98
CW-3A 30 6-12"	4140.14	Soil	14-Dec-98 11:58	12/14/98
CW-3A 30 24"	4140.15	Soil	14-Dec-98 11:58	12/14/98
CW-3A 31 6-12"	4140.16	Soil	14-Dec-98 13:24	12/14/98
CW-3A 31 24"	4140.17	Soil	14-Dec-98 13:24	12/14/98
CW-3A 32 6-12"	4140.18	Soil	14-Dec-98 13:42	12/14/98
CW-3A 32 24"	4140.19	Soil	14-Dec-98 13:42	12/14/98
CW-3A 33 6-12"	4140.20	Soil	14-Dec-98 14:00	12/14/98
CW-3A 33 24"	4140.21	Soil	14-Dec-98 14:00	12/14/98
CW-3A 34 6-12"	4140.22	Soil	14-Dec-98 14:20	12/14/98
CW-3A 34 24"	4140.23	Soil	14-Dec-98 14:20	12/14/98
CW-3A 35 6-12"	4140.24	Soil	14-Dec-98 14:35	12/14/98
CW-3A 35 24"	4140.25	Soil	14-Dec-98 14:35	12/14/98
CW-3A 36 6-12"	4140.26	Soil	14-Dec-98 15:00	12/14/98
CW-3A 36 24"	4140.27	Soil	14-Dec-98 15:00	12/14/98
CW-3A 37 6-12"	4140.28	Soil	14-Dec-98 15:14	12/14/98
CW-3A 37 24"	4140.29	Soil	14-Dec-98 15:14	12/14/98
CW-3A 38 6-12"	4140.30	Soil	14-Dec-98 15:25	12/14/98
CW-3A 38 24"	4140.31	Soil	14-Dec-98 15:25	12/14/98
Trip Blank	4141.01	Methanol	15-Dec-98	12/15/98
CW-3A 39 6-12"	4141.02	Soil	15-Dec-98 09:20	12/15/98
CW-3A 39 24"	4141.03	Soil	15-Dec-98 09:20	12/15/98

SAMPLE LOCATION AND IDENTIFICATION

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CW-3A 41 24"	4141.07	Soil	15-Dec-98 10:20	12/15/98
CW-3A 42 6-12"	4141.08	Soil	15-Dec-98 11:00	12/15/98
CW-3A 42 24"	4141.09	Soil	15-Dec-98 11:00	12/15/98
CW-3A 43 6-12"	4141.10	Soil	15-Dec-98 11:18	12/15/98
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CW-3A 44 6-12"	4141.12	Soil	15-Dec-98 11:30	12/15/98
CW-3A 44 24"	4141.13	Soil	15-Dec-98 11:30	12/15/98
CW-3A 45 6-12"	4141.14	Soil	15-Dec-98 11:50	12/15/98
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CW-3A 46 24"	4141.17	Soil	15-Dec-98 13:05	12/15/98
CW-3A 47 6-12"	4141.18	Soil	15-Dec-98 13:25	12/15/98
CW-3A 47 24"	4141.19	Soil	15-Dec-98 13:25	12/15/98
CW-3A 48 6-12"	4141.20	Soil	15-Dec-98 13:40	12/15/98
CW-3A 48 24"	4141.21	Soil	15-Dec-98 13:40	12/15/98
CW-3A Field Dup 6-12"	4141.22	Soil	15-Dec-98	12/15/98
CW-3A Field Dup 24"	4141.23	Soil	15-Dec-98	12/15/98

 3-5-99
 Daniel Wright/Date
 Laboratory Director

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CHAIN OF CUSTODY

000002



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703

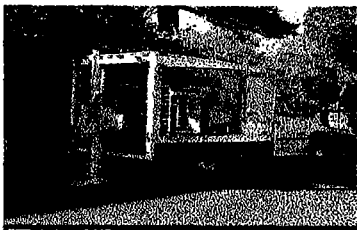
Tel (732)532-4359 Fax (732)532-3484 EMail:appleby@doim6.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV				Project No: IJN 98-0211		Analysis Parameters						Comments:	
Phone #: (732) 532-6223				Location: C-W-3A		V O A + 1 S	M e t A l L s	P E P A S C B T B N	% S O L I D	VOA ID NUMBER	O V A	Cul. HCU # 2 - O.U. <u>uu</u>	
(X)DERA ()OMA ()Other: _____				LANDFILL								Remarks / Preservation Method	
Samplers Name / Company : MARK LAURA / TVS PWS-007						Sample #							
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles								
7124	1 TRIP BLANK	12-8-98	-	METH.	1	X				V00424		<40C	
	2 CW-3-1 6-12"		0920	SOIL	2		X	X	X		BPM		
	3 " 24"		"			X			X	V00423	"		
	4 CW-3-2 6-12"		0943				X	X	X		"		
	5 " 24"		"			X			X	V00422	"		
	6 CW-3-3 6-12"		1008				X	X	X		"		
	7 " 24"		"			X			X	V00421	"		
	8 CW-3-4 6-12"		1027				X	X	X		"		
	9 " 24"		"			X			X	V00420	"		
	10 CW-3-5 6-12"		1047				X	X	X		"		
	11 " 24"		"			X			X	V00419	"		
	12 CW-3-6 6-12"		1115				X	X	X		"		
	13 " 24"		"			X			X	V00425	"		
	14 CW-3-7 6-12"	✓	1138	✓	✓		X	X	X		"	✓	
Relinquished by (signature):		Date/Time:		Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):			
<i>Mark Laura</i>		12-8-98 1415		<i>J. Bergeron</i>									
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						Remarks:							
Turnaround time: (X)Standard 4 wks, ()Rush ____ Days, ()ASAP Verbal ____ Hrs.													

000003



Fort Monmouth Environmental Testing Laboratory

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NJDEP Certification #13461

Chain of Custody Record

[illegible]

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Fort Monmouth Environmental Testing Laboratory

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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV				Project No: LIN 98-0211				Analysis Parameters				Comments:	
Phone #: (732) 532-6223				Location: CW-3-A LANDFILL								Cal. # 2 HAW O.K. (MD)	
(X)DERA ()OMA ()Other: _____													
Samplers Name / Company : MARK LAURA / TVS PWS-007				Sample #									
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles	VOA + 1 5	M e t A L s	P E P A S C B T B N	% S O L I D	VOA ID NUMBER	O V A	Remarks / Preservation Method	
4128.	1 Trip BLANK	12-8-98		Meth.	1	X				V00443		240c	
	2 CW-3-9	6-12"	0930	SOIL	2		X	X	X		PPA		
	3 "	24"	"			X			X	V00444	"		
	4 CW-3-10	6-12"	0953				X	X	X		"		
	5 "	24"	0950			X			X	V00445	"		
	6 CW-3-11	6-12"	1007				X	X	X		"		
	7 "	24"	"			X			X	V00446	"		
	8 CW-3-12	6-12"	1040				X	X	X		"		
	9 "	24"	"			X			X	V00447	"		
	10 CW-3-13	6-12"	1050				X	X	X		"		
	11 "	24"	"			X			X	V00448	"		
	12 CW-3-14	6-12"	1110				X	X	X		"		
	13 "	24"	"			X			X	V00449	"		
	14 CW-3-15	6-12"	1125				X	X	X		"		
Relinquished by (signature):		Date/Time:		Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):			
[Signature]		12-9-98 1530		[Signature]									
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Report Type: ()Full, ()Reduced, (X)Standard, ()Screen / non-certified						Remarks:							
Turnaround time: (X)Standard 4 wks, ()Rush Days, ()ASAP Verbal Hrs.													



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703

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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV				Project No: IJN 98-0211				Analysis Parameters				Comments: see pg. 1		
Phone #: (732) 532-6223				Location: CW-3-A LANDFILL										
(X)DERA ()OMA ()Other: _____														
Samplers Name / Company : MARK LAURA / TVS PWS-007								Sample #						
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles	V O A + 1 5	M e t A L S	P E P A S C B T B N	% S O L I D	VOA ID NUMBER	O V A	Remarks / Preservation Method		
4128. 15	CW-3-15-24"	12-9-98	1125	soil	2	X			X	V00450	0ppm	240c		
16	CW-3-16-6-12"		1143				X	X	X		"			
17	" - 24"		"			X			X	V00451	"			
18	CW-3-17-6-12"		1350				X	X	X		"			
19	" - 24"		"			X			X	V00452	"			
20	CW-3-18-6-12"		1408				X	X	X		"			
21	" - 24"		"			X			X	V00453	"			
22	CW-3-19-6-12"		1420				X	X	X		"			
23	" 24"		"			X			X	V00454	"			
24	CW-3-20 6-12"		1435				X	X	X		"			
25	" 24"		"			X			X	V00455	"			
26	CW-3-21 6-12"		1446				X	X	X		"			
27	" 24"		"			X			X	V00456	"			
28	CW-3-22 6-12"		1505				X	X	X		"			
Relinquished by (signature): Mark J...		Date/Time: 12-9-98 1530		Received by (signature): [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):				
Report Type: ()Full, ()Reduced, (X)Standard, ()Screen / non-certified						Remarks:								
Turnaround time: (X)Standard 4 wks, ()Rush ____ Days, ()ASAP Verbal ____ Hrs.														



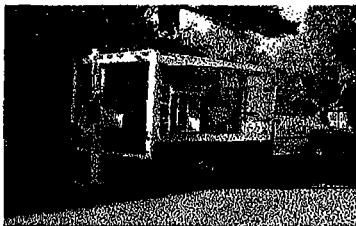
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NJDEP Certification #13461

Chain of Custody Record

[illegible]



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NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV				Project No: LTN 98-0211		Analysis Parameters					Comments:	
Phone #: (732) 532-6223				Location: CW-3A		V O A + 1 5	M e t A l s	P E P A S C B T B N	% S O L I D	VOA ID NUMBER	O V A	Cal. #2 HNH C.K. R
(X)DERA ()OMA ()Other: _____				LANDFILL								
Samplers Name / Company : MARK LAURA / TVS PWS-007						Sample #						
Lab. Sample I.D.	Sample Location	Date	Time	Type	bottles							Remarks / Preservation Method
4/110. 1	TRIP BLANK	12-14-98		METH	1	X				V00459		240C
2	CW3-24 - 6-12"		0955	SOIL	2		X	X	X		PPM	
3	" - 24"		"			X			X	V00460	"	
4	CW3-25 - 6-12"		1018				X	X	X		"	
5	" - 24"		"			X			X	V00461	"	
6	CW3-26 - 6-12"		1040				X	X	X		"	
7	" - 24"		"			X			X	V00462	"	
8	CW3-27 - 6-12"		1100				X	X	X		"	
9	" - 24"		"			X			X	V00463	"	
10	CW3-28 - 6-12"		1126				X	X	X		"	
11	" - 24"		"			X			X	V00464	"	
12	CW3-29 - 6-12"		1140				X	X	X		"	
13	" - 24"		"			X			X	V00465	"	
14	CW3-30 - 6-12"		1158				X	X	X		"	
Relinquished by (signature):		Date/Time:		Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):		
[Signature]		12-14-98 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						Remarks:						
Turnaround time: (X)Standard 4 wks, ()Rush Days, ()ASAP Verbal Hrs.												

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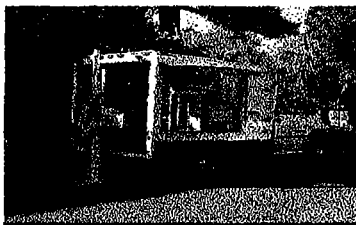
Tel (732)532-4359 Fax (732)532-3484 EMail:appleby@doim6.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: Joseph Fallon SELFM-PW-EV				Project No: LTN 98-0211			Analysis Parameters					Comments:
Phone #: (732) 532-6223				Location: CW3-A LANDFILL			VOA + 1 5	M e t a l s	P E P A S C B T B N	% S O L I D	O V A	
(X)DERA ()OMA ()Other: _____												
Samplers Name / Company : MARK LAURA / TVS PWS-007				Sample	#							
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles					VOA ID NUMBER		Remarks / Preservation Method
1140, 15	CW3-30 - 24"	12-14-98	1158	SOIL	2	X			X	V00467	ppm	2400
16	CW3-31 - 6-12"		1324				X	X	X		"	
17	" - 24"		"			X			X	V00468	"	
18	CW3-32 - 6-12"		1342				X	X	X		"	
19	" - 24"		"			X			X	V00469	"	
20	CW3-33 - 6-12"		1400				X	X	X		"	
21	" - 24"		"			X			X	V00470	"	
22	CW3-34 - 6-12"		1420				X	X	X		"	
23	" - 24"		"			X			X	V00471	"	
24	CW3-35 - 6-12"		1435				X	X	X		"	
25	" - 24"		"			X			X	V00472	"	
26	CW3-36 - 6-12"		1500				X	X	X		"	
27	" - 24"		"			X			X	V00473	"	
28	CW3-37 - 6-12"		1514				X	X	X			
Relinquished by (signature):		Date/Time:		Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):		
<i>Mark Laura</i>		12-14-98 1535		<i>J. Appleby</i>								
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						Remarks:						
Turnaround time: (X)Standard 4 wks, ()Rush ____ Days, ()ASAP Verbal ____ Hrs.												

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NJDEP Certification #13461

Chain of Custody Record

[illegible]

006010



Fort Monmouth Environmental Testing Laboratory

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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: LTN 98-0211				Analysis Parameters				Comments:	
Phone #: (732) 532-6223				Location: CW3-A LANDFILL				V O A + 1 5	M e t A I L	P E P A S C B T B N	% S O L I D		O V A
(X)DERA ()OMA ()Other: _____				Samplers Name / Company : MARK LAURA / TVS PWS-007									
Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles						VOA ID NUMBER	Remarks / Preservation Method	
4/4/1	1 TRIP BLANK	12-15-98	-	METH.	1	X					V0047677	240c	
	2 CW3-39 - 6-12"		0920	SOIL	2		X	X	X		V0047776	SPM	
	3 " - 24"		"			X			X		V0047776	"	
	4 CW3-40 - 6-12"		0945				X	X	X		V00478	"	
	5 " - 24"		"			X			X		V00478	"	
1	6 CW3-41 - 6-12"		1020				X	X	X		V00479	"	
	7 " - 24"		"			X			X		V00479	"	
	8 CW3-42 - 6-12"		1100				X	X	X		V00480	"	
	9 " - 24"		"			X			X		V00480	"	
	10 CW3-43 - 6-12"		1118				X	X	X		V00481	"	
	11 " - 24"		"			X			X		V00481	"	
	12 CW3-44 - 6-12"		1130				X	X	X		V00482	"	
	13 " - 24"		"			X			X		V00482	"	
	14 CW3-45 - 6-12"	✓	1150	✓	✓		X	X	X			✓	
Relinquished by (signature):		Date/Time:		Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):			
Mark J...		12-15-98/15K		J. Appleby									
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						Remarks:							
Turnaround time: (X)Standard 4 wks, ()Rush Days, ()ASAP Verbal Hrs.													



Fort Monmouth Environmental Testing Laboratory

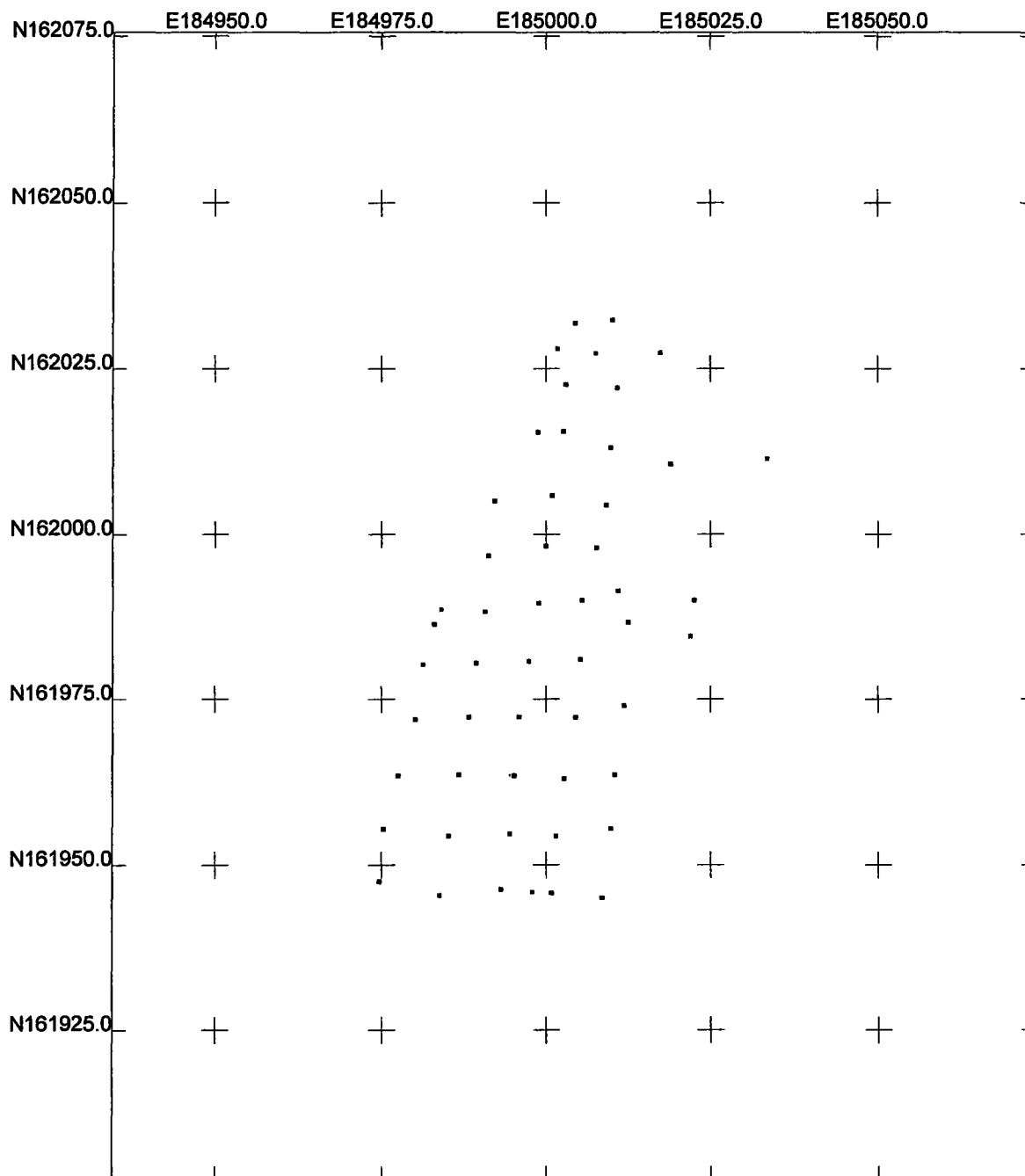
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NJDEP Certification #13461[illegible]

GPS MAPS

000013



CW3A Landfill Soil Boring GPS Map

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

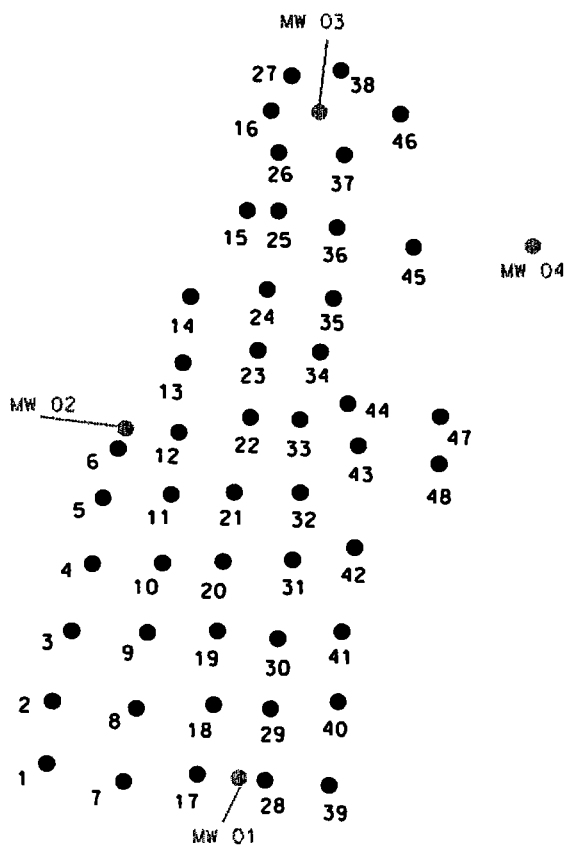


Scale 1:1000
0 30.00
Meters

A graphical scale bar representing a distance of 30.00 meters at a scale of 1:1000. The bar is divided into segments, with the total length labeled as 30.00 Meters.

cw3a combo for report.cor
3/3/1999
Pathfinder Office
 Trimble

000014



SITE MAP CW3A LANDFILL FORT MONMOUTH ARMY BASE MONMOUTH COUNTY, NJ	
FORT MONMOUTH ENVIRONMENTAL TESTING LAB	
Engineers, Managers, Scientists & Planners	
SCALE: NTS	DATE: FEB. 1999

CW3A LANDFILL SITE GPS POSITION & COORDINATES

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

(IN METERS)

<u>POSITION / DESC.</u>	<u>Y COORD. (NORTHING)</u>	<u>X COORD. (EASTING)</u>
1	161947.591	184974.517
2	161955.523	184975.103
3	161963.546	184977.366
4	161972.002	184979.86
5	161980.314	184981.054
6	161986.4	184982.83
7	161945.44	184983.545
8	161954.501	184985.016
9	161963.685	184986.544
10	161972.412	184988.044
11	161980.556	184989.164
12	161988.349	184990.446
13	161996.821	184991.061
14	162005.082	184992
15	162015.49	184998.607
16	162028.112	185001.62
17	161946.356	184992.87
18	161954.748	184994.292
19	161963.512	184994.941
20	161972.431	184995.689
21	161980.883	184997.184
22	161989.68	184998.722
23	161998.316	184999.765
24	162005.946	185000.821
25	162015.594	185002.558
26	162022.689	185002.873
27	162031.996	185004.281
28	161945.846	185000.621
29	161954.461	185001.359
30	161963.108	185002.6
31	161972.326	185004.34
32	161981.075	185005.078
33	161990.046	185005.331
34	161998.051	185007.594
35	162004.481	185009.072
36	162013.174	185009.728
37	162022.231	185010.686
38	162032.51	185009.97
39	161945.126	185008.339
40	161955.596	185009.629
41	161963.687	185010.294
42	161974.082	185011.697

43

161986.767

185012.383

POSITION / DESC.**Y COORD. (NORTHING)****X COORD. (EASTING)**

44

161991.554

185010.823

45

162010.736

185018.821

46

162027.561

185017.31

Native Points (sampled)

47 (NATIVE)

161990.155

185022.396

48 (NATIVE)

161984.698

185021.883

REFERENCE POINTS**POSITION / DESC.****Y COORD. (NORTHING)****X COORD. (EASTING)**

MW 01

161945.977

184997.707

MW 02

161988.662

184983.797

MW 03

162027.486

185007.479

MW 04

162011.462

185033.313

000017

LANDFILL COVER

017A

CW-3A

Landfill Cover

Boring		Boring		Boring	
B01	Minimum 2 foot cap.	B17	Minimum 2 foot cap.	B33	Minimum 3 inch cap.
B02	Minimum 1 inch cap.	B18	Minimum 2 foot cap.	B34	Minimum 1 inch cap.
B03	Minimum 1 inch cap.	B19	Minimum 1 inch cap.	B35	Minimum 1 inch cap.
B04	Minimum 2 foot cap.	B20	Minimum 1 inch cap.	B36	Minimum 18 inch cap.
B05	Minimum 2 foot cap.	B21	Minimum 18 inch cap.	B37	Minimum 1 inch cap.
B06	Minimum 2 foot cap.	B22	Minimum 18 inch cap.	B38	Minimum 1 inch cap.
B07	Minimum 2 foot cap.	B23	Minimum 18 inch cap.	B39	Minimum 2 foot cap.
B08	Minimum 18 inch cap.	B24	Minimum 18 inch cap.	B40	Minimum 1 inch cap.
B09	Minimum 18 inch cap.	B25	Minimum 1 foot cap.	B41	Minimum 1 inch cap.
B10	Minimum 1 foot cap.	B26	Minimum 1 inch cap.	B42	Minimum 1 inch cap.
B11	Minimum 18 inch cap.	B27	Minimum 2 foot cap.	B43	Minimum 6 inch cap.
B12	Minimum 18 inch cap.	B28	Minimum 1 inch cap.	B44	Minimum 6 inch cap.
B13	Minimum 2 foot cap.	B29	Minimum 1 inch cap.	B45	Minimum 1 inch cap.
B14	Minimum 2 foot cap.	B30	Minimum 1 inch cap.	B46	Minimum 1 inch cap.
B15	Minimum 1 inch cap.	B31	Minimum 1 inch cap.	B47	Minimum 2 foot cap.
B16	Minimum 1 inch cap.	B32	Minimum 1 inch cap.	B48	Minimum 2 foot cap.

FIELD DUPLICATE IDENTIFICATION

000067

Field Duplicate Identification

Sample Id	Lab ID	Field Duplicate
CW-3-17 6-12"	4128.18	4128.32
CW-3-17 24"	4128.19	4128.33
CW-3-41 6-12"	4141.06	4141.22
CW-3-41 24"	4141.07	4141.23

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 is 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 Soxhlet 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 Soxhlet 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 stirred 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: CW-3A Landfill

Lab ID: 4124, 4128, 4140, 4141

Di-n-butylphthalate exceeds the calibration curve in CW-3A B-17 (Lab ID 4128.18).
The sample was not diluted.

bis(2-Ethylhexyl)phthalate exceeds the calibration curve in CW-3A B-41 (Lab ID 4141.06). The sample was not diluted.

000073

LABORATORY CHRONICLE

000074

Laboratory Chronicle

Lab ID: 4124

Site: CW-3A

	Date	Hold Time
Date Sampled	12/08/98	NA
Receipt/Refrigeration	12/08/98	NA
Extractions		
1. Base Neutrals	12/10/98	14 Days
2. Pest/PCB's	12/11/98	07 Days
Analyses		
1. Volatile Organics	12/11/98	14 Days
2. Base Neutrals	12/18,28,29/98	40 Days
3. Pest/PCB's	12/30/98	40 Days
4. Metals	12/22/98	6 Months
5. Mercury	12/18/98	28 Days

000075

Laboratory Chronicle

Lab ID: 4128

Site: CW-3A

	Date	Hold Time
Date Sampled	12/09/98	NA
Receipt/Refrigeration	12/09/98	NA

Extractions

1. Base Neutrals	12/10,15/98	14 Days
2. Pest/PCB's	12/11,14,18/98	07 Days

Analyses

1. Volatile Organics	12/11,14,15/98	14 Days
2. Base Neutrals	12/29,30,31/98	40 Days
3. Pest/PCB's	12/30/98	40 Days
4. Metals	12/22/98	6 Months
5. Mercury	12/18/98	28 Days

000076

Laboratory Chronicle

Lab ID: 4140

Site: CW-3A

	Date	Hold Time
Date Sampled	12/14/98	NA
Receipt/Refrigeration	12/14/98	NA

Extractions

1. Base Neutrals	12/15/98	14 Days
2. Pest/PCB's	12/17,18,21/98	07 Days

Analyses

1. Volatile Organics	12/17,18/98	14 Days
2. Base Neutrals	12/30/98, 01/05/99	40 Days
3. Pest/PCB's	01/7,8,12/99	40 Days
4. Metals	12/22/98	6 Months
5. Mercury	12/18/98	28 Days

000077

Laboratory Chronicle

Lab ID: 4141

Site: CW-3A

	Date	Hold Time
Date Sampled	12/15/98	NA
Receipt/Refrigeration	12/15/98	NA

Extractions

1. Base Neutrals	12/18/98	14 Days
2. Pest/PCB's	12/18/98	07 Days

Analyses

1. Volatile Organics	12/21,23/98	14 Days
2. Base Neutrals	12/30/98, 01/05/99	40 Days
3. Pest/PCB's	01/12,13/99	40 Days
4. Metals	12/22/98	6 Months
5. Mercury	12/31/98	28 Days

000078

SOIL CLEAN-UP CRITERIA

000079

Soil Cleanup Criteria

Compound	mg/kg	Compound	mg/kg
Acrolein	NLE	Pyridine	NLE
Acrylonitrile	1	N-nitroso-dimethylamine	NLE
tert-Butyl alcohol	NLE	Aniline	NLE
Methyl-tert-Butyl ether	NLE	Phenol	10000
Di-isopropyl ether	NLE	bis(2-Chloroethyl)ether	0.66
Dichlorodifluoromethane	NLE	2-Chlorophenol	280
Chloromethane	520	1,3-Dichlorobenzene	5100
Vinyl Chloride	2	1,4-Dichlorobenzene	570
Bromomethane	79	Benzyl alcohol	10000
Chloroethane	NLE	1,2-Dichlorobenzene	5100
Trichlorofluoromethane	NLE	2-Methylphenol	2800
1,1-Dichloroethene	8	bis(2-chloroisopropyl)ether	2300
Acetone	1000	4-Methylphenol	2800
Carbon Disulfide	NLE	n-Nitroso-di-n-propylamine	0.66
Methylene Chloride	49	Hexachloroethane	6
trans-1,2-Dichloroethene	1000	Nitrobenzene	28
1,1-Dichloroethane	570	Isophorone	1100
Vinyl Acetate	NLE	2-Nitrophenol	NLE
2-Butanone	1000	2,4-Dimethylphenol	1100
cis-1,2-Dichloroethene	79	bis(2-Chloroethoxy) methane	NLE
Chloroform	19	2,4-Dichlorophenol	170
1,1,1-Trichloroethane	210	Benzoic Acid	NLE
Carbon Tetrachloride	2	1,2,4-Trichlorobenzene	68
Benzene	3	Naphthalene	230
1,2-Dichloroethane	6	4-Chloroaniline	230
Trichloroethene	23	Hexachlorobutadiene	1
1,2-Dichloropropane	10	2,4,6-Trichlorophenol	62
Bromodichloromethane	11	2,4,5-Trichlorophenol	5600
2-Chloroethyl vinyl ether	NLE	2-Chloronaphthalene	NLE
cis-1,3-Dichloropropene	4	4-Chloro-3-methylphenol	10000
4-Methyl-2-Pentanone	1000	2-Methylnaphthalene	NLE
Toluene	1000	Hexachlorocyclopentadiene	400
trans-1,3-Dichloropropene	4	2-Nitroaniline	NLE
1,1,2-Trichloroethane	22	Dimethylphthalate	NLE
Tetrachloroethene	4	Acenaphthylene	NLE
2-Hexanone	NLE	2,6-Dinitrotoluene	NLE
Dibromochloromethane	110	3-Nitroaniline	NLE
Chlorobenzene	37	Acenaphthene	3400
Ethylbenzene	1000	2,4-Dinitrophenol	110
Total Xylenes	410	4-Nitrophenol	NLE
Styrene	23	Dibenzofuran	NLE
Bromoform	86	2,4-Dinitrotoluene	1
1,1,2,2-Tetrachloroethane	34	Diethylphthalate	10000
Anthracene	10000	Fluorene	2300
Di-n-butylphthalate	5700	4-Chlorophenyl-phenylether	NLE
Fluoranthene	2300	4-Nitroaniline	NLE
Benzidine	NLE	4,6-Dinitro-2-methylphenol	NLE
Pyrene	1700	n-Nitrosodiphenylamine	140
Butylbenzylphthalate	1100	4-Bromophenyl-phenylether	NLE
Benzo(a)anthracene	0.9	Hexachlorobenzene	0.66
3,3'-Dichlorobenzidine	2	Pentachlorophenol	6
bis(2-Ethylhexyl)phthalate	49	Phenanthrene	NLE
Di-n-octylphthalate	1100	Dibenz(a,h)anthracene	0.66
Benzo(b)fluoranthene	0.9	Benzo(g,h,i)perylene	NLE
Benzo(k)fluoranthene	0.9	Azobenzene	NLE
Benzo(a)pyrene	0.66	Chrysene	9
Indeno(1,2,3-cd)pyrene	0.9		

NLE- No Limits Established

000080

QUALIFIER CODES

000081

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

000083

METHOD BLANKS

000085

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

Vblk128

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: Vblk128

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05206.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 0 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (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

Vblk128

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: Vblk128

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05206.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 0 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (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

Vblk128

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4124 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: Vblk128
Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05206.D
Level: (low/med) MED Date Received: 12/08/98
% Moisture: not dec. 0 Date Analyzed: 12/11/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

Vblk129

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

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

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05224.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 0 Date Analyzed: 12/14/98

GC Column: RTX502 ID: 0.32 (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

Vblk129

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

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

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05224.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 0 Date Analyzed: 12/14/98

GC Column: RTX502 ID: 0.32 (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

Vblk129

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: Vblk129
Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05224.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 0 Date Analyzed: 12/14/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

Vblk130

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

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

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05240.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 0 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (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

Vblk130

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

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

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05240.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 0 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (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

Vblk130

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: Vblk130
Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05240.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 0 Date Analyzed: 12/15/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

Vblk131

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: Vblk131

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05257.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 0 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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

Vblk131

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: Vblk131

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05257.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 0 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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

Vblk131

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4140 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: Vblk131
Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05257.D
Level: (low/med) MED Date Received: 12/14/98
% Moisture: not dec. 0 Date Analyzed: 12/17/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

Vblk132

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: Vblk132

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05275.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 0 Date Analyzed: 12/18/98

GC Column: RTX502 ID: 0.32 (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

Vblk132

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: Vblk132

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05275.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 0 Date Analyzed: 12/18/98

GC Column: RTX502 ID: 0.32 (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

Vblk132

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4140 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: Vblk132
Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05275.D
Level: (low/med) MED Date Received: 12/14/98
% Moisture: not dec. 0 Date Analyzed: 12/18/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	14.23	1900	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

Vblk133

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: Vblk133

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05293.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 0 Date Analyzed: 12/21/98

GC Column: RTX502 ID: 0.32 (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

Vblk133

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: Vblk133

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05293.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 0 Date Analyzed: 12/21/98

GC Column: RTX502 ID: 0.32 (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

Vblk133

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4141 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: Vblk133
Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05293.D
Level: (low/med) MED Date Received: 12/15/98
% Moisture: not dec. 0 Date Analyzed: 12/21/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

Vblk134

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: Vblk134

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05313.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 0 Date Analyzed: 12/23/98

GC Column: RTX502 ID: 0.32 (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

Vblk134

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: Vblk134

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05313.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 0 Date Analyzed: 12/23/98

GC Column: RTX502 ID: 0.32 (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

Vblk134

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4141 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: Vblk134
Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05313.D
Level: (low/med) MED Date Received: 12/15/98
% Moisture: not dec. 0 Date Analyzed: 12/23/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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TRIP BLANKS

000107

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

Trip Blank

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05207.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 0 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (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		1600	
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.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05207.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 0 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (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.: 4124 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4124.01
Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05207.D
Level: (low/med) MED Date Received: 12/08/98
% Moisture: not dec. 0 Date Analyzed: 12/11/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

Trip Blank

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05218.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 0 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (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		1500	
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.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05218.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 0 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (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.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4128.01
Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05218.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 0 Date Analyzed: 12/11/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

Trip Blank

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05258.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 0 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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	1800	
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.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05258.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 0 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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.: 4140 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4140.01
Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05258.D
Level: (low/med) MED Date Received: 12/14/98
% Moisture: not dec. 0 Date Analyzed: 12/17/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

Trip Blank

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05301.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 0 Date Analyzed: 12/21/98

GC Column: RTX502 ID: 0.32 (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.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05301.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 0 Date Analyzed: 12/21/98

GC Column: RTX502 ID: 0.32 (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.: 4141 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4141.01
Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05301.D
Level: (low/med) MED Date Received: 12/15/98
% Moisture: not dec. 0 Date Analyzed: 12/21/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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FIELD DUPLICATES

000120

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

Field Dup.

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.33

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V05250.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 8.87 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (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

Field Dup.

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.33

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V05250.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 8.87 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

1330-20-7	m+p-Xylenes	830	U
1330-20-7	o-Xylene	550	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Field Dup.

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4128.33
Sample wt/vol: 9.9 (g/ml) G Lab File ID: V05250.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 8.87 Date Analyzed: 12/15/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

Field Dup.

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.23

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V05319.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 8.25 Date Analyzed: 12/23/98

GC Column: RTX502 ID: 0.32 (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	930	
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

Field Dup.

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.23

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V05319.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 8.25 Date Analyzed: 12/23/98

GC Column: RTX502 ID: 0.32 (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

Field Dup.

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4141 Location CW-3A SAS No.
Matrix: (soil/water) SOIL Lab Sample ID: 4141.23
Sample wt/vol: 10.2 (g/ml) G Lab File ID: V05319.D
Level: (low/med) MED Date Received: 12/15/98
% Moisture: not dec. 8.25 Date Analyzed: 12/23/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 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	14.23	1700	J

SAMPLES

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-1

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V05208.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 8.62 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (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	1700	
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-1

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V05208.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 8.62 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		830	U
1330-20-7	o-Xylene		550	U
100-42-5	Styrene		550	U
75-25-2	Bromoform		550	U
79-34-5	1,1,2,2-Tetrachloroethane		550	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

B-1

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4124 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4124.03
Sample wt/vol: 9.9 (g/ml) G Lab File ID: V05208.D
Level: (low/med) MED Date Received: 12/08/98
% Moisture: not dec. 8.62 Date Analyzed: 12/11/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-2

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.05

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V05209.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 9.97 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2000		U
107131	Acrylonitrile	2000		U
75650	tert-Butyl alcohol	3700		U
1634044	Methyl-tert-Butyl ether	860		U
108203	Di-isopropyl ether	570		U
	Dichlorodifluoromethane	1100		U
74-87-3	Chloromethane	290		U
75-01-4	Vinyl Chloride	860		U
74-83-9	Bromomethane	570		U
75-00-3	Chloroethane	860		U
75-69-4	Trichlorofluoromethane	570		U
75-35-4	1,1-Dichloroethene	290		U
67-64-1	Acetone	570		U
75-15-0	Carbon Disulfide	290		U
75-09-2	Methylene Chloride	1800		
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-2

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.05

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V05209.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 9.97 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (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-2

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4124 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4124.05
Sample wt/vol: 9.7 (g/ml) G Lab File ID: V05209.D
Level: (low/med) MED Date Received: 12/08/98
% Moisture: not dec. 9.97 Date Analyzed: 12/11/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-3

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.07

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V05210.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 12.1 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2100	U	
107131	Acrylonitrile	2100	U	
75650	tert-Butyl alcohol	3900	U	
1634044	Methyl-tert-Butyl ether	900	U	
108203	Di-isopropyl ether	600	U	
	Dichlorodifluoromethane	1200	U	
74-87-3	Chloromethane	300	U	
75-01-4	Vinyl Chloride	900	U	
74-83-9	Bromomethane	600	U	
75-00-3	Chloroethane	900	U	
75-69-4	Trichlorofluoromethane	600	U	
75-35-4	1,1-Dichloroethene	300	U	
67-64-1	Acetone	600	U	
75-15-0	Carbon Disulfide	300	U	
75-09-2	Methylene Chloride	1800		
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-3

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.07

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V05210.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 12.1 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

1330-20-7	m+p-Xylenes	900	U
1330-20-7	o-Xylene	600	U
100-42-5	Styrene	600	U
75-25-2	Bromoform	600	U
79-34-5	1,1,2,2-Tetrachloroethane	600	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

B-3

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4124 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4124.07
Sample wt/vol: 9.5 (g/ml) G Lab File ID: V05210.D
Level: (low/med) MED Date Received: 12/08/98
% Moisture: not dec. 12.1 Date Analyzed: 12/11/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-4

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.09

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V05211.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 7.56 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (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		520	J
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-4

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.09

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V05211.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 7.56 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (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-4

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4124 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4124.09
Sample wt/vol: 9.6 (g/ml) G Lab File ID: V05211.D
Level: (low/med) MED Date Received: 12/08/98
% Moisture: not dec. 7.56 Date Analyzed: 12/11/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 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 hydrocarbon	31.29	2300	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-5

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.11

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V05212.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 8.28 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (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	1600		
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-5

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.11

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V05212.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 8.28 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (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-5

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4124 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4124.11
Sample wt/vol: 9.7 (g/ml) G Lab File ID: V05212.D
Level: (low/med) MED Date Received: 12/08/98
% Moisture: not dec. 8.28 Date Analyzed: 12/11/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-6

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.13

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V05213.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 7.13 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (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		1600	
156-60-5	trans-1,2-Dichloroethene		560	U
75-35-3	1,1-Dichloroethane		280	U
108-05-4	Vinyl Acetate		830	U
78-93-3	2-Butanone		830	U
	cis-1,2-Dichloroethene		280	U
67-66-3	Chloroform		280	U
75-55-6	1,1,1-Trichloroethane		280	U
56-23-5	Carbon Tetrachloride		560	U
71-43-2	Benzene		280	U
107-06-2	1,2-Dichloroethane		560	U
79-01-6	Trichloroethene		280	U
78-87-5	1,2-Dichloropropane		280	U
75-27-4	Bromodichloromethane		280	U
110-75-8	2-Chloroethyl vinyl ether		560	U
10061-01-5	cis-1,3-Dichloropropene		280	U
108-10-1	4-Methyl-2-Pentanone		560	U
108-88-3	Toluene		280	U
10061-02-6	trans-1,3-Dichloropropene		560	U
79-00-5	1,1,2-Trichloroethane		560	U
127-18-4	Tetrachloroethene		280	U
591-78-6	2-Hexanone		560	U
126-48-1	Dibromochloromethane		560	U
108-90-7	Chlorobenzene		280	U
100-41-4	Ethylbenzene		560	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-6

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.13

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V05213.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 7.13 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (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-6

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4124 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4124.13
Sample wt/vol: 9.7 (g/ml) G Lab File ID: V05213.D
Level: (low/med) MED Date Received: 12/08/98
% Moisture: not dec. 7.13 Date Analyzed: 12/11/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 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. 000629-50-5	Tridecane	31.27	4200	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-7

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.15

Sample wt/vol: 9.1 (g/ml) G Lab File ID: V05214.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 8.92 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2100	U
107131	Acrylonitrile		2100	U
75650	tert-Butyl alcohol		3900	U
1634044	Methyl-tert-Butyl ether		900	U
108203	Di-isopropyl ether		600	U
	Dichlorodifluoromethane		1200	U
74-87-3	Chloromethane		300	U
75-01-4	Vinyl Chloride		900	U
74-83-9	Bromomethane		600	U
75-00-3	Chloroethane		900	U
75-69-4	Trichlorofluoromethane		600	U
75-35-4	1,1-Dichloroethene		300	U
67-64-1	Acetone		600	U
75-15-0	Carbon Disulfide		300	U
75-09-2	Methylene Chloride		1800	
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-7

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.15

Sample wt/vol: 9.1 (g/ml) G Lab File ID: V05214.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 8.92 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

1330-20-7	m+p-Xylenes	900	U
1330-20-7	o-Xylene	600	U
100-42-5	Styrene	600	U
75-25-2	Bromoform	600	U
79-34-5	1,1,2,2-Tetrachloroethane	600	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

B-7

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4124 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4124.15
Sample wt/vol: 9.1 (g/ml) G Lab File ID: V05214.D
Level: (low/med) MED Date Received: 12/08/98
% Moisture: not dec. 8.92 Date Analyzed: 12/11/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000629-59-4	Tetradecane	31.28	2100	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-8

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.17

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V05215.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 13.64 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (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		1400	
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-8

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4124 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4124.17

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V05215.D

Level: (low/med) MED Date Received: 12/08/98

% Moisture: not dec. 13.64 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (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-8

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4124 Location CW-3A SAS No.
Matrix: (soil/water) SOIL Lab Sample ID: 4124.17
Sample wt/vol: 10.4 (g/ml) G Lab File ID: V05215.D
Level: (low/med) MED Date Received: 12/08/98
% Moisture: not dec. 13.64 Date Analyzed: 12/11/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-9

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.03

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V05219.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 12.41 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (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	1500	
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-9

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.03

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V05219.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 12.41 Date Analyzed: 12/11/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

1330-20-7	m+p-Xylenes	830	U
1330-20-7	o-Xylene	550	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

B-9

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4128.03
Sample wt/vol: 10.4 (g/ml) G Lab File ID: V05219.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 12.41 Date Analyzed: 12/11/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-10

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.05

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05225.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 12.77 Date Analyzed: 12/14/98

GC Column: RTX502 ID: 0.32 (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		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-10

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.05

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05225.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 12.77 Date Analyzed: 12/14/98

GC Column: RTX502 ID: 0.32 (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-10

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4128.05
Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05225.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 12.77 Date Analyzed: 12/14/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-11

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V05226.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 13.47 Date Analyzed: 12/14/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	860	U
108203	Di-isopropyl ether	570	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	860	U
74-83-9	Bromomethane	570	U
75-00-3	Chloroethane	860	U
75-69-4	Trichlorofluoromethane	570	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	570	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	570	U
156-60-5	trans-1,2-Dichloroethene	570	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	860	U
78-93-3	2-Butanone	860	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	570	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	570	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	570	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	570	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	570	U
79-00-5	1,1,2-Trichloroethane	570	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	570	U
126-48-1	Dibromochloromethane	570	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	570	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-11

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V05226.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 13.47 Date Analyzed: 12/14/98

GC Column: RTX502 ID: 0.32 (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-11

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4128.07
Sample wt/vol: 10.1 (g/ml) G Lab File ID: V05226.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 13.47 Date Analyzed: 12/14/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-12

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.09

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V05227.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 11.54 Date Analyzed: 12/14/98

GC Column: RTX502 ID: 0.32 (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-12

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.09

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V05227.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 11.54 Date Analyzed: 12/14/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

1330-20-7	m+p-Xylenes	830	U
1330-20-7	o-Xylene	550	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

B-12

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4128.09
Sample wt/vol: 10.2 (g/ml) G Lab File ID: V05227.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 11.54 Date Analyzed: 12/14/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-13

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.11

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V05228.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 18.39 Date Analyzed: 12/14/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2100	U
107131	Acrylonitrile		2100	U
75650	tert-Butyl alcohol		4000	U
1634044	Methyl-tert-Butyl ether		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-13

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.11

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V05228.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 18.39 Date Analyzed: 12/14/98

GC Column: RTX502 ID: 0.32 (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-13

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4128.11
Sample wt/vol: 10.1 (g/ml) G Lab File ID: V05228.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 18.39 Date Analyzed: 12/14/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-14

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.13

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V05229.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 11.59 Date Analyzed: 12/14/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3800	U
1634044	Methyl-tert-Butyl ether		870	U
108203	Di-isopropyl ether		580	U
	Dichlorodifluoromethane		1200	U
74-87-3	Chloromethane		290	U
75-01-4	Vinyl Chloride		870	U
74-83-9	Bromomethane		580	U
75-00-3	Chloroethane		870	U
75-69-4	Trichlorofluoromethane		580	U
75-35-4	1,1-Dichloroethene		290	U
67-64-1	Acetone		580	U
75-15-0	Carbon Disulfide		290	U
75-09-2	Methylene Chloride		580	U
156-60-5	trans-1,2-Dichloroethene		580	U
75-35-3	1,1-Dichloroethane		290	U
108-05-4	Vinyl Acetate		870	U
78-93-3	2-Butanone		870	U
	cis-1,2-Dichloroethene		290	U
67-66-3	Chloroform		290	U
75-55-6	1,1,1-Trichloroethane		290	U
56-23-5	Carbon Tetrachloride		580	U
71-43-2	Benzene		290	U
107-06-2	1,2-Dichloroethane		580	U
79-01-6	Trichloroethene		290	U
78-87-5	1,2-Dichloropropane		290	U
75-27-4	Bromodichloromethane		290	U
110-75-8	2-Chloroethyl vinyl ether		580	U
10061-01-5	cis-1,3-Dichloropropene		290	U
108-10-1	4-Methyl-2-Pentanone		580	U
108-88-3	Toluene		290	U
10061-02-6	trans-1,3-Dichloropropene		580	U
79-00-5	1,1,2-Trichloroethane		580	U
127-18-4	Tetrachloroethene		290	U
591-78-6	2-Hexanone		580	U
126-48-1	Dibromochloromethane		580	U
108-90-7	Chlorobenzene		290	U
100-41-4	Ethylbenzene		580	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-14

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.13

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V05229.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 11.59 Date Analyzed: 12/14/98

GC Column: RTX502 ID: 0.32 (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-14

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4128.13
Sample wt/vol: 9.8 (g/ml) G Lab File ID: V05229.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 11.59 Date Analyzed: 12/14/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-15

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.15

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05241.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 11.37 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (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		830	
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-15

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.15

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05241.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 11.37 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

1330-20-7	m+p-Xylenes	820	U
1330-20-7	o-Xylene	550	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

B-15

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4128.15
Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05241.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 11.37 Date Analyzed: 12/15/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-16

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.17

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V05242.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 6.59 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (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	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-16

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.17

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V05242.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 6.59 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (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-16

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4128.17
Sample wt/vol: 10.2 (g/ml) G Lab File ID: V05242.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 6.59 Date Analyzed: 12/15/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-17

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.19

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V05243.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 8.72 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (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		790	
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-17

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.19

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V05243.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 8.72 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (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-17

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4128.19
Sample wt/vol: 9.7 (g/ml) G Lab File ID: V05243.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 8.72 Date Analyzed: 12/15/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000110-54-3	Hexane	14.24	2100	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-18

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.21

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V05244.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 10.02 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (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	700	
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-18

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.21

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V05244.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 10.02 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (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-18

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4128.21
Sample wt/vol: 10.4 (g/ml) G Lab File ID: V05244.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 10.02 Date Analyzed: 12/15/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 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. 000110-54-3	Hexane	14.23	2100	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-19

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.23

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V05245.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 9.49 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (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	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	770	
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-19

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.23

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V05245.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 9.49 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (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-19

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4128.23
Sample wt/vol: 9.8 (g/ml) G Lab File ID: V05245.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 9.49 Date Analyzed: 12/15/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-20

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.25

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V05246.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 17.51 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	U
1634044	Methyl-tert-Butyl ether	870	U
108203	Di-isopropyl ether	580	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	870	U
74-83-9	Bromomethane	580	U
75-00-3	Chloroethane	870	U
75-69-4	Trichlorofluoromethane	580	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	580	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	820	
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-20

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.25

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V05246.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 17.51 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (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-20

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4128.25
Sample wt/vol: 10.5 (g/ml) G Lab File ID: V05246.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 17.51 Date Analyzed: 12/15/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-21

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.27

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V05247.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 14.73 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (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	810		
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	850		
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	220		J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-21

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.27

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V05247.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 14.73 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (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	730	J
1330-20-7	o-Xylene	500	J
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-21

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4128.27
Sample wt/vol: 10.4 (g/ml) G Lab File ID: V05247.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 14.73 Date Analyzed: 12/15/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-22

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.29

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05248.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 18.69 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2100	U
107131	Acrylonitrile		2100	U
75650	tert-Butyl alcohol		3900	U
1634044	Methyl-tert-Butyl ether		900	U
108203	Di-isopropyl ether		600	U
	Dichlorodifluoromethane		1200	U
74-87-3	Chloromethane		300	U
75-01-4	Vinyl Chloride		900	U
74-83-9	Bromomethane		600	U
75-00-3	Chloroethane		900	U
75-69-4	Trichlorofluoromethane		600	U
75-35-4	1,1-Dichloroethene		300	U
67-64-1	Acetone		600	U
75-15-0	Carbon Disulfide		300	U
75-09-2	Methylene Chloride		880	
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-22

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.29

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05248.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 18.69 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

1330-20-7	m+p-Xylenes	900	U
1330-20-7	o-Xylene	600	U
100-42-5	Styrene	600	U
75-25-2	Bromoform	600	U
79-34-5	1,1,2,2-Tetrachloroethane	600	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

B-22

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No. _____
Matrix: (soil/water) SOIL Lab Sample ID: 4128.29
Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05248.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 18.69 Date Analyzed: 12/15/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-23

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.31

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V05249.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 21.91 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (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-23

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4128 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4128.31

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V05249.D

Level: (low/med) MED Date Received: 12/09/98

% Moisture: not dec. 21.91 Date Analyzed: 12/15/98

GC Column: RTX502 ID: 0.32 (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-23

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4128 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4128.31
Sample wt/vol: 9.8 (g/ml) G Lab File ID: V05249.D
Level: (low/med) MED Date Received: 12/09/98
% Moisture: not dec. 21.91 Date Analyzed: 12/15/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-24

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.03

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V05259.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 16.86 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	4000	U
1634044	Methyl-tert-Butyl ether	920	U
108203	Di-isopropyl ether	610	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	920	U
74-83-9	Bromomethane	610	U
75-00-3	Chloroethane	920	U
75-69-4	Trichlorofluoromethane	610	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	610	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	2300	
156-60-5	trans-1,2-Dichloroethene	610	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	920	U
78-93-3	2-Butanone	920	U
	cis-1,2-Dichloroethene	310	U
67-66-3	Chloroform	310	U
75-55-6	1,1,1-Trichloroethane	310	U
56-23-5	Carbon Tetrachloride	610	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	610	U
79-01-6	Trichloroethene	310	U
78-87-5	1,2-Dichloropropane	310	U
75-27-4	Bromodichloromethane	310	U
110-75-8	2-Chloroethyl vinyl ether	610	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	610	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	610	U
79-00-5	1,1,2-Trichloroethane	610	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	610	U
126-48-1	Dibromochloromethane	610	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	610	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-24

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.03

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V05259.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 16.86 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

1330-20-7	m+p-Xylenes	920	U
1330-20-7	o-Xylene	610	U
100-42-5	Styrene	610	U
75-25-2	Bromoform	610	U
79-34-5	1,1,2,2-Tetrachloroethane	610	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

B-24

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4140 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4140.03
Sample wt/vol: 9.8 (g/ml) G Lab File ID: V05259.D
Level: (low/med) MED Date Received: 12/14/98
% Moisture: not dec. 16.86 Date Analyzed: 12/17/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-25

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.05

Sample wt/vol: 9.0 (g/ml) G Lab File ID: V05260.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 16.78 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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	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	2400	
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-25

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.05

Sample wt/vol: 9.0 (g/ml) G Lab File ID: V05260.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 16.78 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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-25

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4140 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4140.05
Sample wt/vol: 9.0 (g/ml) G Lab File ID: V05260.D
Level: (low/med) MED Date Received: 12/14/98
% Moisture: not dec. 16.78 Date Analyzed: 12/17/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-26

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05261.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 4.46 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1800		U
107131	Acrylonitrile	1800		U
75650	tert-Butyl alcohol	3300		U
1634044	Methyl-tert-Butyl ether	760		U
108203	Di-isopropyl ether	510		U
	Dichlorodifluoromethane	1000		U
74-87-3	Chloromethane	250		U
75-01-4	Vinyl Chloride	760		U
74-83-9	Bromomethane	510		U
75-00-3	Chloroethane	760		U
75-69-4	Trichlorofluoromethane	510		U
75-35-4	1,1-Dichloroethene	250		U
67-64-1	Acetone	510		U
75-15-0	Carbon Disulfide	250		U
75-09-2	Methylene Chloride	1800		
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-26

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05261.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 4.46 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

1330-20-7	m+p-Xylenes	760	U
1330-20-7	o-Xylene	510	U
100-42-5	Styrene	510	U
75-25-2	Bromoform	510	U
79-34-5	1,1,2,2-Tetrachloroethane	510	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

B-26

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4140 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4140.07
Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05261.D
Level: (low/med) MED Date Received: 12/14/98
% Moisture: not dec. 4.46 Date Analyzed: 12/17/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-27

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.09

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V05262.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 16.55 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2100	U
107131	Acrylonitrile		2100	U
75650	tert-Butyl alcohol		3800	U
1634044	Methyl-tert-Butyl ether		890	U
108203	Di-isopropyl ether		590	U
	Dichlorodifluoromethane		1200	U
74-87-3	Chloromethane		300	U
75-01-4	Vinyl Chloride		890	U
74-83-9	Bromomethane		590	U
75-00-3	Chloroethane		890	U
75-69-4	Trichlorofluoromethane		590	U
75-35-4	1,1-Dichloroethene		300	U
67-64-1	Acetone		590	U
75-15-0	Carbon Disulfide		300	U
75-09-2	Methylene Chloride		2300	
156-60-5	trans-1,2-Dichloroethene		590	U
75-35-3	1,1-Dichloroethane		300	U
108-05-4	Vinyl Acetate		890	U
78-93-3	2-Butanone		890	U
	cis-1,2-Dichloroethene		300	U
67-66-3	Chloroform		300	U
75-55-6	1,1,1-Trichloroethane		300	U
56-23-5	Carbon Tetrachloride		590	U
71-43-2	Benzene		300	U
107-06-2	1,2-Dichloroethane		590	U
79-01-6	Trichloroethene		300	U
78-87-5	1,2-Dichloropropane		300	U
75-27-4	Bromodichloromethane		300	U
110-75-8	2-Chloroethyl vinyl ether		590	U
10061-01-5	cis-1,3-Dichloropropene		300	U
108-10-1	4-Methyl-2-Pentanone		590	U
108-88-3	Toluene		300	U
10061-02-6	trans-1,3-Dichloropropene		590	U
79-00-5	1,1,2-Trichloroethane		590	U
127-18-4	Tetrachloroethene		300	U
591-78-6	2-Hexanone		590	U
126-48-1	Dibromochloromethane		590	U
108-90-7	Chlorobenzene		300	U
100-41-4	Ethylbenzene		590	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-27

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.09

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V05262.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 16.55 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

1330-20-7	m+p-Xylenes	890	U
1330-20-7	o-Xylene	590	U
100-42-5	Styrene	590	U
75-25-2	Bromoform	590	U
79-34-5	1,1,2,2-Tetrachloroethane	590	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

B-27

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4140 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4140.09
Sample wt/vol: 10.2 (g/ml) G Lab File ID: V05262.D
Level: (low/med) MED Date Received: 12/14/98
% Moisture: not dec. 16.55 Date Analyzed: 12/17/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-28

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.11

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V05263.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 8.57 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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	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	1900		
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-28

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.11

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V05263.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 8.57 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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-28

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4140 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4140.11
Sample wt/vol: 10.7 (g/ml) G Lab File ID: V05263.D
Level: (low/med) MED Date Received: 12/14/98
% Moisture: not dec. 8.57 Date Analyzed: 12/17/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-29

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.13

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V05264.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 6.59 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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		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		1800	
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-29

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.13

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V05264.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 6.59 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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-29

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4140 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4140.13
Sample wt/vol: 10.5 (g/ml) G Lab File ID: V05264.D
Level: (low/med) MED Date Received: 12/14/98
% Moisture: not dec. 6.59 Date Analyzed: 12/17/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-30

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.15

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V05265.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 7.48 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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		3400	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		1900	
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-30

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.15

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V05265.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 7.48 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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-30

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4140 Location CW-3A SAS No. _____
Matrix: (soil/water) SOIL Lab Sample ID: 4140.15
Sample wt/vol: 10.2 (g/ml) G Lab File ID: V05265.D
Level: (low/med) MED Date Received: 12/14/98
% Moisture: not dec. 7.48 Date Analyzed: 12/17/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-31

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.17

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05266.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 7.68 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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		2000	
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-31

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.17

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05266.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 7.68 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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-31

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4140 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4140.17
Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05266.D
Level: (low/med) MED Date Received: 12/14/98
% Moisture: not dec. 7.68 Date Analyzed: 12/17/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-32

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.19

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V05267.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 11.68 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3800	U
1634044	Methyl-tert-Butyl ether	880	U
108203	Di-isopropyl ether	590	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	880	U
74-83-9	Bromomethane	590	U
75-00-3	Chloroethane	880	U
75-69-4	Trichlorofluoromethane	590	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	590	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	2100	
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-32

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.19

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V05267.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 11.68 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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-32

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4140 Location CW-3A SAS No. _____
Matrix: (soil/water) SOIL Lab Sample ID: 4140.19
Sample wt/vol: 9.6 (g/ml) G Lab File ID: V05267.D
Level: (low/med) MED Date Received: 12/14/98
% Moisture: not dec. 11.68 Date Analyzed: 12/17/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-33

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.21

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05268.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 13.82 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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	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	2000		
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-33

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.21

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05268.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 13.82 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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-33

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4140 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4140.21
Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05268.D
Level: (low/med) MED Date Received: 12/14/98
% Moisture: not dec. 13.82 Date Analyzed: 12/17/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-34

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.23

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V05271.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 21.22 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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	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	2300		
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-34

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.23

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V05271.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 21.22 Date Analyzed: 12/17/98

GC Column: RTX502 ID: 0.32 (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-34

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4140 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4140.23
Sample wt/vol: 9.9 (g/ml) G Lab File ID: V05271.D
Level: (low/med) MED Date Received: 12/14/98
% Moisture: not dec. 21.22 Date Analyzed: 12/17/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-35

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.25

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V05276.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 12.36 Date Analyzed: 12/18/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2100		U
107131	Acrylonitrile	2100		U
75650	tert-Butyl alcohol	3900		U
1634044	Methyl-tert-Butyl ether	900		U
108203	Di-isopropyl ether	600		U
	Dichlorodifluoromethane	1200		U
74-87-3	Chloromethane	300		U
75-01-4	Vinyl Chloride	900		U
74-83-9	Bromomethane	600		U
75-00-3	Chloroethane	900		U
75-69-4	Trichlorofluoromethane	600		U
75-35-4	1,1-Dichloroethene	300		U
67-64-1	Acetone	12000		
75-15-0	Carbon Disulfide	300		U
75-09-2	Methylene Chloride	850		
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

000230

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-35

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.25

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V05276.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 12.36 Date Analyzed: 12/18/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

1330-20-7	m+p-Xylenes	900	U
1330-20-7	o-Xylene	600	U
100-42-5	Styrene	600	U
75-25-2	Bromoform	600	U
79-34-5	1,1,2,2-Tetrachloroethane	600	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

B-35

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4140 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4140.25
Sample wt/vol: 9.5 (g/ml) G Lab File ID: V05276.D
Level: (low/med) MED Date Received: 12/14/98
% Moisture: not dec. 12.36 Date Analyzed: 12/18/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000110-54-3	Hexane	14.23	8200	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-36

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.27

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05277.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 12.12 Date Analyzed: 12/18/98

GC Column: RTX502 ID: 0.32 (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	820	
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-36

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.27

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05277.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 12.12 Date Analyzed: 12/18/98

GC Column: RTX502 ID: 0.32 (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-36

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4140 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4140.27
Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05277.D
Level: (low/med) MED Date Received: 12/14/98
% Moisture: not dec. 12.12 Date Analyzed: 12/18/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000110-54-3	Hexane	14.24	1900	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-37

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.29

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V05278.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 10.86 Date Analyzed: 12/18/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2000		U
107131	Acrylonitrile	2000		U
75650	tert-Butyl alcohol	3800		U
1634044	Methyl-tert-Butyl ether	870		U
108203	Di-isopropyl ether	580		U
	Dichlorodifluoromethane	1200		U
74-87-3	Chloromethane	290		U
75-01-4	Vinyl Chloride	870		U
74-83-9	Bromomethane	580		U
75-00-3	Chloroethane	870		U
75-69-4	Trichlorofluoromethane	580		U
75-35-4	1,1-Dichloroethene	290		U
67-64-1	Acetone	580		U
75-15-0	Carbon Disulfide	290		U
75-09-2	Methylene Chloride	580		U
156-60-5	trans-1,2-Dichloroethene	580		U
75-35-3	1,1-Dichloroethane	290		U
108-05-4	Vinyl Acetate	870		U
78-93-3	2-Butanone	870		U
	cis-1,2-Dichloroethene	290		U
67-66-3	Chloroform	290		U
75-55-6	1,1,1-Trichloroethane	290		U
56-23-5	Carbon Tetrachloride	580		U
71-43-2	Benzene	290		U
107-06-2	1,2-Dichloroethane	580		U
79-01-6	Trichloroethene	290		U
78-87-5	1,2-Dichloropropane	290		U
75-27-4	Bromodichloromethane	290		U
110-75-8	2-Chloroethyl vinyl ether	580		U
10061-01-5	cis-1,3-Dichloropropene	290		U
108-10-1	4-Methyl-2-Pentanone	580		U
108-88-3	Toluene	290		U
10061-02-6	trans-1,3-Dichloropropene	580		U
79-00-5	1,1,2-Trichloroethane	580		U
127-18-4	Tetrachloroethene	290		U
591-78-6	2-Hexanone	580		U
126-48-1	Dibromochloromethane	580		U
108-90-7	Chlorobenzene	290		U
100-41-4	Ethylbenzene	580		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-37

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.29

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V05278.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 10.86 Date Analyzed: 12/18/98

GC Column: RTX502 ID: 0.32 (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-37

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.29

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V05278.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 10.86 Date Analyzed: 12/18/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000110-54-3	Hexane	14.24	1900	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-38

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.31

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V05279.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 8.19 Date Analyzed: 12/18/98

GC Column: RTX502 ID: 0.32 (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-38

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4140 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4140.31

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V05279.D

Level: (low/med) MED Date Received: 12/14/98

% Moisture: not dec. 8.19 Date Analyzed: 12/18/98

GC Column: RTX502 ID: 0.32 (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-38

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4140 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4140.31
Sample wt/vol: 9.6 (g/ml) G Lab File ID: V05279.D
Level: (low/med) MED Date Received: 12/14/98
% Moisture: not dec. 8.19 Date Analyzed: 12/18/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 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. 000110-54-3	Hexane	14.25	3800	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-39

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V05302.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 8.2 Date Analyzed: 12/21/98

GC Column: RTX502 ID: 0.32 (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-39

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V05302.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 8.2 Date Analyzed: 12/21/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

1330-20-7	m+p-Xylenes	820	U
1330-20-7	o-Xylene	550	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

B-39

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4141 Location CW-3A SAS No _____
Matrix: (soil/water) SOIL Lab Sample ID: 4141.03
Sample wt/vol: 9.9 (g/ml) G Lab File ID: V05302.D
Level: (low/med) MED Date Received: 12/15/98
% Moisture: not dec. 8.2 Date Analyzed: 12/21/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-40

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.05

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V05303.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 5.54 Date Analyzed: 12/21/98

GC Column: RTX502 ID: 0.32 (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	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-40

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.05

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V05303.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 5.54 Date Analyzed: 12/21/98

GC Column: RTX502 ID: 0.32 (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-40

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4141 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4141.05
Sample wt/vol: 10.1 (g/ml) G Lab File ID: V05303.D
Level: (low/med) MED Date Received: 12/15/98
% Moisture: not dec. 5.54 Date Analyzed: 12/21/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-41

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.07

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05304.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 9 Date Analyzed: 12/21/98

GC Column: RTX502 ID: 0.32 (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-41

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.07

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05304.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 9 Date Analyzed: 12/21/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

1330-20-7	m+p-Xylenes	830	U
1330-20-7	o-Xylene	550	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

B-41

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4141 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4141.07
Sample wt/vol: 10.0 (g/ml) G Lab File ID: V05304.D
Level: (low/med) MED Date Received: 12/15/98
% Moisture: not dec. 9 Date Analyzed: 12/21/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-42

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.09

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05305.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 5.31 Date Analyzed: 12/21/98

GC Column: RTX502 ID: 0.32 (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	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-42

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.09

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05305.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 5.31 Date Analyzed: 12/21/98

GC Column: RTX502 ID: 0.32 (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-42

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4141 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4141.09
Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05305.D
Level: (low/med) MED Date Received: 12/15/98
% Moisture: not dec. 5.31 Date Analyzed: 12/21/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-43

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.11

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05306.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 6.19 Date Analyzed: 12/21/98

GC Column: RTX502 ID: 0.32 (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	770	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	770	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	770	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	770	U
78-93-3	2-Butanone	770	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-43

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.11

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05306.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 6.19 Date Analyzed: 12/21/98

GC Column: RTX502 ID: 0.32 (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	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-43

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4141 Location CW-3A SAS No _____
Matrix: (soil/water) SOIL Lab Sample ID: 4141.11
Sample wt/vol: 10.3 (g/ml) G Lab File ID: V05306.D
Level: (low/med) MED Date Received: 12/15/98
% Moisture: not dec. 6.19 Date Analyzed: 12/21/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-44

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.13

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V05314.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 17.27 Date Analyzed: 12/23/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	900	U
108203	Di-isopropyl ether	600	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	900	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	900	U
75-69-4	Trichlorofluoromethane	600	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	600	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	1100	
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-44

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.13

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V05314.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 17.27 Date Analyzed: 12/23/98

GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

1330-20-7	m+p-Xylenes	900	U
1330-20-7	o-Xylene	600	U
100-42-5	Styrene	600	U
75-25-2	Bromoform	600	U
79-34-5	1,1,2,2-Tetrachloroethane	600	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

B-44

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4141 Location CW-3A SAS No _____
Matrix: (soil/water) SOIL Lab Sample ID: 4141.13
Sample wt/vol: 10.1 (g/ml) G Lab File ID: V05314.D
Level: (low/med) MED Date Received: 12/15/98
% Moisture: not dec. 17.27 Date Analyzed: 12/23/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-45

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.15

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V05315.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 7.69 Date Analyzed: 12/23/98

GC Column: RTX502 ID: 0.32 (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	870	
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-45

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.15

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V05315.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 7.69 Date Analyzed: 12/23/98

GC Column: RTX502 ID: 0.32 (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-45

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4141 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4141.15
Sample wt/vol: 10.4 (g/ml) G Lab File ID: V05315.D
Level: (low/med) MED Date Received: 12/15/98
% Moisture: not dec. 7.69 Date Analyzed: 12/23/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-46

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.17

Sample wt/vol: 9.2 (g/ml) G Lab File ID: V05316.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 7.04 Date Analyzed: 12/23/98

GC Column: RTX502 ID: 0.32 (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	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	1000	
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-46

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.17

Sample wt/vol: 9.2 (g/ml) G Lab File ID: V05316.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 7.04 Date Analyzed: 12/23/98

GC Column: RTX502 ID: 0.32 (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-46

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4141 Location CW-3A SAS No. _____
Matrix: (soil/water) SOIL Lab Sample ID: 4141.17
Sample wt/vol: 9.2 (g/ml) G Lab File ID: V05316.D
Level: (low/med) MED Date Received: 12/15/98
% Moisture: not dec. 7.04 Date Analyzed: 12/23/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-47

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.19

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V05317.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 4.37 Date Analyzed: 12/23/98

GC Column: RTX502 ID: 0.32 (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	870	
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-47

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.19

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V05317.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 4.37 Date Analyzed: 12/23/98

GC Column: RTX502 ID: 0.32 (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-47

Lab Name: FMETL NJDEP# 13461
Project 980211 Case No.: 4141 Location CW-3A SAS No
Matrix: (soil/water) SOIL Lab Sample ID: 4141.19
Sample wt/vol: 9.8 (g/ml) G Lab File ID: V05317.D
Level: (low/med) MED Date Received: 12/15/98
% Moisture: not dec. 4.37 Date Analyzed: 12/23/98
GC Column: RTX502 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID

B-48

Lab Name: FMETL NJDEP# 13461

Project 980211 Case No.: 4141 Location CW-3A SAS No

Matrix: (soil/water) SOIL Lab Sample ID: 4141.21

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V05318.D

Level: (low/med) MED Date Received: 12/15/98

% Moisture: not dec. 4.85 Date Analyzed: 12/23/98

GC Column: RTX502 ID: 0.32 (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	1700	U
107131	Acrylonitrile	1700	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	860	
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

METHOD BLANKS

000273

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

SBLK178

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: Sblk178

Sample wt/vol: 10 (g/ml) G Lab File ID: BN02419.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	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:

SBLK178

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: Sblk178

Sample wt/vol: 10 (g/ml) G Lab File ID: BN02419.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

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	710	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	140	J
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

SBLK178

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: Sblk178

Sample wt/vol: 10 (g/ml) G Lab File ID: BN02419.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	18.96	4800	J
2. 000112-92-5	1-Octadecanol	24.36	3100	JN

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Sblk181

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: Sblk181

Sample wt/vol: 10 (g/ml) G Lab File ID: BN02421.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Sblk181

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: Sblk181

Sample wt/vol: 10 (g/ml) G Lab File ID: BN02421.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

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	320	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	4600	
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

Sblk181

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: Sblk181

Sample wt/vol: 10 (g/ml) G Lab File ID: BN02421.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-10-3	Hexadecanoic acid	19.80	950	JN
2. 001454-84-8	1-Nonadecanol	24.36	3400	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Sblk183

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: Sblk183

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA01754.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (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.

Sblk183

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: Sblk183

Sample wt/vol: 10 (g/ml) G Lab File ID: BNA01754.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 0 decanted:(Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (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	160	J
86-73-7	Fluorene	1000	U
7005-72-3	4-Chlorophenyl-phenylether	1000	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	n-Nitrosodiphenylamine	1000	U
103-33-3	Azobenzene	1000	U
101-55-3	4-Bromophenyl-phenylether	1000	U
118-74-1	Hexachlorobenzene	1000	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	790	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	100	J
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Sblk183

Lab Name: FMETL NJDEP: 13461
Project: 980211 Case No.: 4140 Location: CW-3A SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: Sblk183
Sample wt/vol: 10 (g/ml) G Lab File ID: BNA01754.D
Level: (low/med) LOW Date Received: 12/14/98
% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/18/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/98
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	18.56	4300	JN
2. 074685-30-6	5-Eicosene, (E)-	24.01	1900	JN

FIELD DUPLICATES

000283

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup.

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.32

Sample wt/vol: 10.37 (g/ml) G Lab File ID: BNA01783.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 6.87 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (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.

Field Dup.

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.32

Sample wt/vol: 10.37 (g/ml) G Lab File ID: BNA01783.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 6.87 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (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	110	J
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	350	JB
206-44-0	Fluoranthene	290	J
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	320	J
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	170	J
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	220	J
117-81-7	bis(2-Ethylhexyl)phthalate	140	JB
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	120	J
207-08-9	Benzo[k]fluoranthene	170	J
50-32-8	Benzo[a]pyrene	180	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	110	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Field Dup.

Lab Name: FMETL NJDEP: 13461
Project: 980211 Case No.: 4128 Location: CW3-A SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: 4128.32
Sample wt/vol: 10.37 (g/ml) G Lab File ID: BNA01783.D
Level: (low/med) LOW Date Received: 12/09/98
% Moisture: 6.87 decanted: (Y/N) N Date Extracted: 12/15/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98
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)-	24.01	2300	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.22

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BNA01801.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 7.47 decanted:(Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (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.

Field Dup

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.22

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BNA01801.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 7.47 decanted: (Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1300	B
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	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
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Field Dup

Lab Name: FMETL NJDEP: 13461
Project: 980211 Case No.: 4141 Location: CW3-A SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: 4141.22
Sample wt/vol: 10.01 (g/ml) G Lab File ID: BNA01801.D
Level: (low/med) LOW Date Received: 12/15/98
% Moisture: 7.47 decanted: (Y/N) N Date Extracted: 12/18/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99
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	18.56	7600	JN
2. 074685-30-6	5-Eicosene, (E)-	24.00	2900	JN

SAMPLES

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-1

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4124.02

Sample wt/vol: 10.87 (g/ml) G Lab File ID: BN02484.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 8 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1000	U
62-75-9	N-nitroso-dimethylamine	1000	U
62-53-3	Aniline	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
	4-Methylphenol	1000	U
621-64-7	n-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-1

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4124.02

Sample wt/vol: 10.87 (g/ml) G Lab File ID: BN02484.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

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	200	JB
206-44-0	Fluoranthene	170	J
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	170	J
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	120	J
117-81-7	bis(2-Ethylhexyl)phthalate	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
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-1

Lab Name: FMETL Lab Cod 13461
Project: 980211 Case No.: 4124 Location: CW-3A SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: 4124.02
Sample wt/vol: 10.87 (g/ml) G Lab File ID: BN02484.D
Level: (low/med) LOW Date Received: 12/8/98
% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/10/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/98
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

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	18.92	3000	JN
2. 000506-52-5	1-Hexacosanol	28.58	1200	JN

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-2

Lab Name: FMETL

Lab Cod 13461

Project: 980211

Case No.: 4124

Location: CW-3A SDG No.:

Matrix: (soil/water) SOIL

Lab Sample ID: 4124.04

Sample wt/vol: 9.93 (g/ml) G

Lab File ID: BN02485.D

Level: (low/med) LOW

Date Received: 12/8/98

% Moisture: 6.79 decanted: (Y/N) N

Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/28/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-2

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4124.04

Sample wt/vol: 9.93 (g/ml) G Lab File ID: BN02485.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 6.79 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	900	JB
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	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
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-2

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4124.04

Sample wt/vol: 9.93 (g/ml) G Lab File ID: BN02485.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 6.79 decanted: (Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	17.45	1300	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.94	9100	JN
3. 000112-92-5	1-Octadecanol	24.34	7000	JN
4. 002461-18-9	Oxirane, [(dodecyloxy)methyl]-	25.85	890	JN
5. 000506-52-5	1-Hexacosanol	28.58	2000	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-3

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4124.06

Sample wt/vol: 10.34 (g/ml) G Lab File ID: BN02486.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 4.03 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-3

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4124.06

Sample wt/vol: 10.34 (g/ml) G Lab File ID: BN02486.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 4.03 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

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	200	JB
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	12000	EB
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-3

Lab Name: FMETL Lab Cod 13461
Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: 4124.06
Sample wt/vol: 10.34 (g/ml) G Lab File ID: BN02486.D
Level: (low/med) LOW Date Received: 12/8/98
% Moisture: 4.03 decanted: (Y/N) N Date Extracted: 12/10/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/98
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.93	2900	JN
2. 001454-84-8	1-Nonadecanol	24.34	7600	JN
3. 000506-52-5	1-Hexacosanol	25.85	830	JN
4. 000629-96-9	1-Eicosanol	28.58	2100	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-4

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4124.08

Sample wt/vol: 9.94 (g/ml) G Lab File ID: BN02513.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 6.05 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-4

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4124.08

Sample wt/vol: 9.94 (g/ml) G Lab File ID: BN02513.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 6.05 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

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	310	J
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	670	JB
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	110	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	120	J
191-24-2	Benzo[g,h,i]perylene	130	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-4

Lab Name: FMETL Lab Cod 13461
Project: 980211 Case No.: 4124 Location: CW-3A SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: 4124.08
Sample wt/vol: 9.94 (g/ml) G Lab File ID: BN02513.D
Level: (low/med) LOW Date Received: 12/8/98
% Moisture: 6.05 decanted: (Y/N) N Date Extracted: 12/10/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

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	18.92	4800	JN
2. 000057-10-3	Hexadecanoic acid	19.77	1500	JN
3. 000112-92-5	1-Octadecanol	24.33	4700	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-5

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4124.10

Sample wt/vol: 10.54 (g/ml) G Lab File ID: BN02514.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 6.56 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1000	U
62-75-9	N-nitroso-dimethylamine	1000	U
62-53-3	Aniline	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
	4-Methylphenol	1000	U
621-64-7	n-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-5

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4124.10

Sample wt/vol: 10.54 (g/ml) G Lab File ID: BN02514.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 6.56 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

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	870	JB
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	120	JB
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	1000	U
207-08-9	Benzo[k]fluoranthene	1000	U
50-32-8	Benzo[a]pyrene	1000	U
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-5

Lab Name: FMETL Lab Cod 13461
Project: 980211 Case No.: 4124 Location: CW-3A SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: 4124.10
Sample wt/vol: 10.54 (g/ml) G Lab File ID: BN02514.D
Level: (low/med) LOW Date Received: 12/8/98
% Moisture: 6.56 decanted: (Y/N) N Date Extracted: 12/10/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

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	18.92	7400	JN
2. 001454-84-8	1-Nonadecanol	24.33	6600	JN
3. 001599-67-3	1-Docosene	28.57	1500	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-6

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4124.12

Sample wt/vol: 10.49 (g/ml) G Lab File ID: BN02515.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 6.12 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1000	U
62-75-9	N-nitroso-dimethylamine	1000	U
62-53-3	Aniline	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
	4-Methylphenol	1000	U
621-64-7	n-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-6

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4124.12

Sample wt/vol: 10.49 (g/ml) G Lab File ID: BN02515.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 6.12 decanted: (Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

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	610	JB
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	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
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-6

Lab Name: FMETL Lab Cod 13461
Project: 980211 Case No.: 4124 Location: CW-3A SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: 4124.12
Sample wt/vol: 10.49 (g/ml) G Lab File ID: BN02515.D
Level: (low/med) LOW Date Received: 12/8/98
% Moisture: 6.12 decanted: (Y/N) N Date Extracted: 12/10/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.92	6600	JN
2.	unknown	23.81	950	J
3. 001454-84-8	1-Nonadecanol	24.33	6100	JN
4. 000629-96-9	1-Eicosanol	28.57	1500	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-7

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4124.14

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BN02516.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 6.01 decanted: (Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-7

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4124.14

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BN02516.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 6.01 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	700	JB
206-44-0	Fluoranthene	170	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	240	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	110	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	170	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	110	J
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-7

Lab Name: FMETL Lab Cod 13461
Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: 4124.14
Sample wt/vol: 10.1 (g/ml) G Lab File ID: BN02516.D
Level: (low/med) LOW Date Received: 12/8/98
% Moisture: 6.01 decanted: (Y/N) N Date Extracted: 12/10/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

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	18.92	6200	JN
2. 000506-52-5	1-Hexacosanol	25.84	1100	JN
3. 000629-96-9	1-Eicosanol	28.57	2100	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-8

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4124.16

Sample wt/vol: 10.44 (g/ml) G Lab File ID: BN02517.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 8.22 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1000	U
62-75-9	N-nitroso-dimethylamine	1000	U
62-53-3	Aniline	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
	4-Methylphenol	1000	U
621-64-7	n-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-8

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4124 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4124.16

Sample wt/vol: 10.44 (g/ml) G Lab File ID: BN02517.D

Level: (low/med) LOW Date Received: 12/8/98

% Moisture: 8.22 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

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	300	JB
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	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
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-8

Lab Name: FMETL Lab Cod 13461
Project: 980211 Case No.: 4124 Location: CW-3A SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: 4124.16
Sample wt/vol: 10.44 (g/ml) G Lab File ID: BN02517.D
Level: (low/med) LOW Date Received: 12/8/98
% Moisture: 8.22 decanted: (Y/N) N Date Extracted: 12/10/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	16.74	1100	J
2. 019047-85-9	Phosphonic acid, dioctadecyl est	24.33	6500	JN
3. 001599-67-3	1-Docosene	28.57	1800	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-9

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.02

Sample wt/vol: 10 (g/ml) G Lab File ID: BN02518.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 8.44 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-9

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.02

Sample wt/vol: 10 (g/ml) G Lab File ID: BN02518.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 8.44 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	280	JB
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	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
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-9

Lab Name: FMETL Lab Cod 13461
Project: 980211 Case No.: 4128 Location: CW-3A SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: 4128.02
Sample wt/vol: 10 (g/ml) G Lab File ID: BN02518.D
Level: (low/med) LOW Date Received: 12/9/98
% Moisture: 8.44 decanted: (Y/N) N Date Extracted: 12/10/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 001454-84-8	1-Nonadecanol	24.32	5700	JN
2. 001599-67-3	1-Docosene	28.57	1600	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-10

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.04

Sample wt/vol: 10.12 (g/ml) G Lab File ID: BN02519.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 9.15 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-10

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.04

Sample wt/vol: 10.12 (g/ml) G Lab File ID: BN02519.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 9.15 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	800	JB
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	390	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-10

Lab Name: FMETL Lab Cod 13461
Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: 4128.04
Sample wt/vol: 10.12 (g/ml) G Lab File ID: BN02519.D
Level: (low/med) LOW Date Received: 12/9/98
% Moisture: 9.15 decanted: (Y/N) N Date Extracted: 12/10/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-11

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.06

Sample wt/vol: 10.42 (g/ml) G Lab File ID: BN02520.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 9.7 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-11

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.06

Sample wt/vol: 10.42 (g/ml) G Lab File ID: BN02520.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 9.7 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	570	JB
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-11

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.06

Sample wt/vol: 10.42 (g/ml) G Lab File ID: BN02520.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 9.7 decanted: (Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.91	1600	JN
2. 000057-10-3	Hexadecanoic acid	19.77	970	JN
3. 001454-84-8	1-Nonadecanol	24.32	4300	JN
4. 001599-67-3	1-Docosene	28.57	1100	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-12

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.08

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BN02521.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 9.49 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-12

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.08

Sample wt/vol: 10.36 (g/ml) G Lab File ID: BN02521.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 9.49 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	640	JB
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	120	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-12

Lab Name: FMETL Lab Cod 13461
Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: 4128.08
Sample wt/vol: 10.36 (g/ml) G Lab File ID: BN02521.D
Level: (low/med) LOW Date Received: 12/9/98
% Moisture: 9.49 decanted: (Y/N) N Date Extracted: 12/10/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.90	1600	JN
2.	unknown	22.67	1100	J
3. 001454-84-8	1-Nonadecanol	24.32	6100	JN
4. 000629-96-9	1-Eicosanol	28.57	1600	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-13

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.10

Sample wt/vol: 10.31 (g/ml) G Lab File ID: BN02522.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 9.42 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-13

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.10

Sample wt/vol: 10.31 (g/ml) G Lab File ID: BN02522.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 9.42 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9	Acenaphthene	1100		U
51-28-5	2,4-Dinitrophenol	1100		U
132-64-9	Dibenzofuran	1100		U
100-02-7	4-Nitrophenol	1100		U
121-14-2	2,4-Dinitrotoluene	1100		U
84-66-2	Diethylphthalate	1100		U
86-73-7	Fluorene	1100		U
7005-72-3	4-Chlorophenyl-phenylether	1100		U
100-01-6	4-Nitroaniline	1100		U
534-52-1	4,6-Dinitro-2-methylphenol	1100		U
86-30-6	n-Nitrosodiphenylamine	1100		U
103-33-3	Azobenzene	1100		U
101-55-3	4-Bromophenyl-phenylether	1100		U
118-74-1	Hexachlorobenzene	1100		U
87-86-5	Pentachlorophenol	1100		U
85-01-8	Phenanthrene	1100		U
120-12-7	Anthracene	1100		U
84-74-2	Di-n-butylphthalate	310		JB
206-44-0	Fluoranthene	1100		U
92-87-5	Benzidine	1100		U
129-00-0	Pyrene	1100		U
85-68-7	Butylbenzylphthalate	1100		U
56-55-3	Benzo[a]anthracene	1100		U
91-94-1	3,3'-Dichlorobenzidine	1100		U
218-01-9	Chrysene	1100		U
117-81-7	bis(2-Ethylhexyl)phthalate	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
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-13

Lab Name: FMETL Lab Cod 13461
Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: 4128.10
Sample wt/vol: 10.31 (g/ml) G Lab File ID: BN02522.D
Level: (low/med) LOW Date Received: 12/9/98
% Moisture: 9.42 decanted: (Y/N) N Date Extracted: 12/10/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 001454-84-8	1-Nonadecanol	24.33	6700	JN
2. 001599-67-3	1-Docosene	28.57	1800	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-14

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.12

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN02523.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 13.33 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
110-86-1	Pyridine	1100		U
62-75-9	N-nitroso-dimethylamine	1100		U
62-53-3	Aniline	1100		U
108-95-2	Phenol	1100		U
111-44-4	bis(2-Chloroethyl)ether	1100		U
95-57-8	2-Chlorophenol	1100		U
541-73-1	1,3-Dichlorobenzene	1100		U
106-46-7	1,4-Dichlorobenzene	1100		U
100-51-6	Benzyl alcohol	1100		U
95-50-1	1,2-Dichlorobenzene	1100		U
	2-Methylphenol	1100		U
108-60-1	bis(2-chloroisopropyl)ether	1100		U
	4-Methylphenol	1100		U
621-64-7	n-Nitroso-di-n-propylamine	1100		U
67-72-1	Hexachloroethane	1100		U
98-95-3	Nitrobenzene	1100		U
78-59-1	Isophorone	1100		U
88-75-5	2-Nitrophenol	1100		U
105-67-9	2,4-Dimethylphenol	1100		U
111-91-1	bis(2-Chloroethoxy)methane	1100		U
120-83-2	2,4-Dichlorophenol	1100		U
65-85-0	Benzoic Acid	1100		U
120-82-1	1,2,4-Trichlorobenzene	1100		U
91-20-3	Naphthalene	1100		U
106-47-8	4-Chloroaniline	1100		U
87-68-3	Hexachlorobutadiene	1100		U
59-50-7	4-Chloro-3-methylphenol	1100		U
91-57-6	2-Methylnaphthalene	1100		U
77-47-4	Hexachlorocyclopentadiene	1100		U
88-06-2	2,4,6-Trichlorophenol	1100		U
	2,4,5-Trichlorophenol	1100		U
91-58-7	2-Chloronaphthalene	1100		U
88-74-4	2-Nitroaniline	1100		U
131-11-3	Dimethylphthalate	1100		U
208-96-8	Acenaphthylene	1100		U
606-20-2	2,6-Dinitrotoluene	1100		U
99-09-2	3-Nitroaniline	1100		U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-14

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.12

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN02523.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 13.33 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1100	JB
206-44-0	Fluoranthene	200	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	220	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	180	J
117-81-7	bis(2-Ethylhexyl)phthalate	150	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-14

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.12

Sample wt/vol: 10.17 (g/ml) G Lab File ID: BN02523.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 13.33 decanted: (Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 8 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	12.96	910	JN
2.	unknown	13.24	1200	J
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.91	1800	JN
4. 000057-10-3	Hexadecanoic acid	19.77	1700	JN
5. 000506-52-5	1-Hexacosanol	25.84	2000	JN
6. 000629-96-9	1-Eicosanol	28.57	2400	JN
7. 000629-96-9	1-Eicosanol	29.90	980	JN
8. 013647-35-3	Trilostane	30.20	910	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-15

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.14

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BN02524.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 11.18 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-15

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.14

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BN02524.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 11.18 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1500	B
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	210	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-15

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.14

Sample wt/vol: 10.08 (g/ml) G Lab File ID: BN02524.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 11.18 decanted: (Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 9 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.91	3800	JN
2. 000057-10-3	Hexadecanoic acid	19.77	1400	JN
3. 074685-33-9	3-Eicosene, (E)-	24.33	7900	JN
4. 000630-06-8	Hexatriacontane	25.11	920	JN
5.	unknown	25.84	1900	J
6. 000544-85-4	Dotriacontane	26.55	1200	JN
7.	unknown	27.22	1600	J
8. 000630-06-8	Hexatriacontane	28.52	1100	JN
9. 000629-96-9	1-Eicosanol	28.57	2100	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-16

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.16

Sample wt/vol: 10.39 (g/ml) G Lab File ID: BN02525.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 6.69 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1000	U
62-75-9	N-nitroso-dimethylamine	1000	U
62-53-3	Aniline	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
	4-Methylphenol	1000	U
621-64-7	n-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-16

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4128 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.16

Sample wt/vol: 10.39 (g/ml) G Lab File ID: BN02525.D

Level: (low/med) LOW Date Received: 12/9/98

% Moisture: 6.69 decanted:(Y/N) N Date Extracted: 12/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

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	310	JB
206-44-0	Fluoranthene	110	J
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	160	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	160	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	100	J
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-16

Lab Name: FMETL Lab Cod 13461
Project: 980211 Case No.: 4128 Location: CW-3A SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: 4128.16
Sample wt/vol: 10.39 (g/ml) G Lab File ID: BN02525.D
Level: (low/med) LOW Date Received: 12/9/98
% Moisture: 6.69 decanted: (Y/N) N Date Extracted: 12/10/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/98
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 6 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 006971-40-0	17-Pentatriacontene	25.84	2000	JN
2. 056554-86-0	17-Octadecenal	28.18	1300	JN
3. 000630-06-8	Hexatriacontane	28.52	1200	JN
4. 000629-96-9	1-Eicosanol	28.58	2900	JN
5. 056554-87-1	16-Octadecenal	29.47	3000	JN
6. 000629-96-9	1-Eicosanol	29.90	1700	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-17

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4128.18

Sample wt/vol: 10.19 (g/ml) G Lab File ID: BNA01774.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 7.05 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-17

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.18

Sample wt/vol: 10.19 (g/ml) G Lab File ID: BNA01774.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 7.05 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (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	140	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	820	JB
206-44-0	Fluoranthene	190	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	250	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	160	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	130	J
50-32-8	Benzo[a]pyrene	120	J
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-17

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.18

Sample wt/vol: 10.19 (g/ml) G Lab File ID: BNA01774.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 7.05 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

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	12.58	920	J
2. 000109-21-7	Butanoic acid, butyl ester	12.87	1200	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.54	940	JN
4. 074685-30-6	5-Eicosene, (E)-	24.00	1400	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-18

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.20

Sample wt/vol: 10.04 (g/ml) G Lab File ID: BNA01775.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 8.43 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-18

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.20

Sample wt/vol: 10.04 (g/ml) G Lab File ID: BNA01775.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 8.43 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	540	J
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	130	J
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	1700	
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-18

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4128.20

Sample wt/vol: 10.04 (g/ml) G Lab File ID: BNA01775.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 8.43 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

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)-	24.00	1700	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-19

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.22

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BNA01776.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 9.75 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-19

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.22

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BNA01776.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 9.75 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1100	B
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	170	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-19

Lab Name: FMETL NJDEP: 13461
 Project: 980211 Case No.: 4128 Location: CW3-A SDG No.:
 Matrix: (soil/water) SOIL Lab Sample ID: 4128.22
 Sample wt/vol: 10.07 (g/ml) G Lab File ID: BNA01776.D
 Level: (low/med) LOW Date Received: 12/09/98
 % Moisture: 9.75 decanted: (Y/N) N Date Extracted: 12/15/98
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98
 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)-	24.00	1800	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-20

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.24

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BNA01779.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 7.74 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-20

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.24

Sample wt/vol: 10.24 (g/ml) G Lab File ID: BNA01779.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 7.74 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1200	B
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	190	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.
TENTATIVELY IDENTIFIED COMPOUNDS

B-20

Lab Name: FMETL NJDEP: 13461
Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: 4128.24
Sample wt/vol: 10.24 (g/ml) G Lab File ID: BNA01779.D
Level: (low/med) LOW Date Received: 12/09/98
% Moisture: 7.74 decanted: (Y/N) N Date Extracted: 12/15/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98
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	18.54	1100	J
2. 001599-67-3	1-Docosene	24.01	2200	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-21

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.26

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BNA01780.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 9.05 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-21

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.26

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BNA01780.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 9.05 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1400	B
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	12000	B
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.
TENTATIVELY IDENTIFIED COMPOUNDS

B-21

Lab Name: FMETL NJDEP: 13461
Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: 4128.26
Sample wt/vol: 10.1 (g/ml) G Lab File ID: BNA01780.D
Level: (low/med) LOW Date Received: 12/09/98
% Moisture: 9.05 decanted: (Y/N) N Date Extracted: 12/15/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98
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	18.54	960	J
2. 074685-30-6	5-Eicosene, (E)-	24.00	1400	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-22

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.28

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BNA01781.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 9.45 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-22

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.28

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BNA01781.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 9.45 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	430	JB
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	6900	B
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-22

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.28

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BNA01781.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 9.45 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

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)-	24.00	2100	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-23

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.30

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BNA01782.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 8.06 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-23

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4128 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4128.30

Sample wt/vol: 10.1 (g/ml) G Lab File ID: BNA01782.D

Level: (low/med) LOW Date Received: 12/09/98

% Moisture: 8.06 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1200	B
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	140	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-23

Lab Name: FMETL NJDEP: 13461
Project: 980211 Case No.: 4128 Location: CW3-A SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: 4128.30
Sample wt/vol: 10.1 (g/ml) G Lab File ID: BNA01782.D
Level: (low/med) LOW Date Received: 12/09/98
% Moisture: 8.06 decanted: (Y/N) N Date Extracted: 12/15/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/31/98
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. 000084-74-2	Dibutyl phthalate	18.54	940	JN
2. 074685-30-6	5-Eicosene, (E)-	24.00	2300	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-24

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.02

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BNA01760.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 8.86 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-24

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.02

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BNA01760.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 8.86 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	2900	B
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	180	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.
TENTATIVELY IDENTIFIED COMPOUNDS

B-24

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.02

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BNA01760.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 8.86 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/30/98

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	18.54	1200	JN
2. 074685-30-6	5-Eicosene, (E)-	24.01	1900	JN

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-25

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.04

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN02551.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 6.54 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	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	130	J
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-25

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.04

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN02551.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 6.54 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	440	J
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	130	J
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	280	J
86-73-7	Fluorene	260	J
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	2300	
120-12-7	Anthracene	580	J
84-74-2	Di-n-butylphthalate	490	JB
206-44-0	Fluoranthene	2700	
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	2300	
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1300	
117-81-7	bis(2-Ethylhexyl)phthalate	600	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	860	J
207-08-9	Benzo[k]fluoranthene	990	J
50-32-8	Benzo[a]pyrene	1100	
193-39-5	Indeno[1,2,3-cd]pyrene	460	J
53-70-3	Dibenz[a,h]anthracene	190	J
191-24-2	Benzo[g,h,i]perylene	490	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-25

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.04

Sample wt/vol: 10.06 (g/ml) G Lab File ID: BN02551.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 6.54 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 7 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-10-3	Hexadecanoic acid	19.77	2000	JN
2.	unknown	25.84	2000	J
3.	unknown	26.79	1100	J
4. 002765-11-9	Pentadecanal-	28.18	900	JN
5. 000112-95-8	Eicosane	28.53	1200	JN
6. 006971-40-0	17-Pentatriacontene	28.58	2000	JN
7.	unknown	30.21	2000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-26

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.06

Sample wt/vol: 10.39 (g/ml) G Lab File ID: BN02552.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 6 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1000	U
62-75-9	N-nitroso-dimethylamine	1000	U
62-53-3	Aniline	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
	4-Methylphenol	1000	U
621-64-7	n-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-26

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.06

Sample wt/vol: 10.39 (g/ml) G Lab File ID: BN02552.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 6 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

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	110	J
120-12-7	Anthracene	1000	U
84-74-2	Di-n-butylphthalate	1500	B
206-44-0	Fluoranthene	470	J
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	560	J
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	190	J
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	340	J
117-81-7	bis(2-Ethylhexyl)phthalate	140	JB
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo[b]fluoranthene	260	J
207-08-9	Benzo[k]fluoranthene	240	J
50-32-8	Benzo[a]pyrene	170	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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-26

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.06

Sample wt/vol: 10.39 (g/ml) G Lab File ID: BN02552.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 6 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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	18.90	1600	JN
2.	unknown	25.83	1400	J
3. 000629-96-9	1-Eicosanol	28.57	1400	JN

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-27

Lab Name: FMETL Lab Cod 13461

Project 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.08

Sample wt/vol: 10 (g/ml) G Lab File ID: BN02553.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 21.36 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1300	U
62-75-9	N-nitroso-dimethylamine	1300	U
62-53-3	Aniline	1300	U
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
	2-Methylphenol	1300	U
108-60-1	bis(2-chloroisopropyl)ether	1300	U
	4-Methylphenol	1300	U
621-64-7	n-Nitroso-di-n-propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
65-85-0	Benzoic Acid	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	1300	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-27

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4140.08

Sample wt/vol: 10 (g/ml) G Lab File ID: BN02553.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 21.36 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	1300	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
86-73-7	Fluorene	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine	1300	U
103-33-3	Azobenzene	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	290	J
120-12-7	Anthracene	1300	U
84-74-2	Di-n-butylphthalate	1200	JB
206-44-0	Fluoranthene	400	J
92-87-5	Benzidine	1300	U
129-00-0	Pyrene	560	J
85-68-7	Butylbenzylphthalate	1300	U
56-55-3	Benzo[a]anthracene	280	J
91-94-1	3,3'-Dichlorobenzidine	1300	U
218-01-9	Chrysene	430	J
117-81-7	bis(2-Ethylhexyl)phthalate	230	JB
117-84-0	Di-n-octylphthalate	1300	U
205-99-2	Benzo[b]fluoranthene	280	J
207-08-9	Benzo[k]fluoranthene	300	J
50-32-8	Benzo[a]pyrene	340	J
193-39-5	Indeno[1,2,3-cd]pyrene	140	J
53-70-3	Dibenz[a,h]anthracene	1300	U
191-24-2	Benzo[g,h,i]perylene	1300	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-27

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4140.08

Sample wt/vol: 10 (g/ml) G Lab File ID: BN02553.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 21.36 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 22 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.90	1900	JN
2. 001002-84-2	Pentadecanoic acid	21.61	1600	JN
3. 006765-39-5	1-Heptadecene	22.68	1000	JN
4. 000112-85-6	Docosanoic acid	24.90	2400	JN
5. 002425-54-9	Tetradecane, 1-chloro-	25.10	1300	JN
6. 000057-11-4	Octadecanoic acid	25.65	1100	JN
7. 003386-33-2	Octadecane, 1-chloro-	25.85	16000	JN
8.	unknown	25.98	1200	J
9. 001002-84-2	Pentadecanoic acid	26.40	13000	JN
10. 000000-00-0	1-Hexacosanal	26.84	4400	JN
11.	unknown	27.07	1200	J
12.	unknown	27.76	7100	J
13. 056554-90-6	13-Octadecenal	28.18	6400	JN
14. 000630-07-9	Pentatriacontane	28.52	5700	JN
15. 000629-96-9	1-Eicosanol	28.58	7600	JN
16.	unknown	28.69	2800	J
17. 000057-11-4	Octadecanoic acid	29.04	1900	JN
18. 002765-11-9	Pentadecanal-	29.47	5900	JN
19. 000629-96-9	1-Eicosanol	29.89	2000	JN
20.	unknown	30.02	2300	J
21.	unknown	30.20	1900	J
22.	unknown	30.39	1300	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-28

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.10

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN02554.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 7.71 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-28

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.10

Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN02554.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 7.71 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	120	J
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	29000	EB
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	150	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-28

Lab Name: FMETL Lab Cod 13461
Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: 4140.10
Sample wt/vol: 10.01 (g/ml) G Lab File ID: BN02554.D
Level: (low/med) LOW Date Received: 12/14/98
% Moisture: 7.71 decanted: (Y/N) N Date Extracted: 12/15/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.90	2700	JN
2. 000112-92-5	1-Octadecanol	24.32	6100	JN
3.	unknown	25.83	1700	J
4. 000629-96-9	1-Eicosanol	28.57	1400	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-29

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.12

Sample wt/vol: 10.14 (g/ml) G Lab File ID: BN02555.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 8.46 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-29

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.12

Sample wt/vol: 10.14 (g/ml) G Lab File ID: BN02555.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 8.46 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1300	B
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	43	J
117-81-7	bis(2-Ethylhexyl)phthalate	120	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-29

Lab Name: FMETL Lab Cod 13461
Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: 4140.12
Sample wt/vol: 10.14 (g/ml) G Lab File ID: BN02555.D
Level: (low/med) LOW Date Received: 12/14/98
% Moisture: 8.46 decanted: (Y/N) N Date Extracted: 12/15/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

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	18.90	1300	JN
2.	unknown hydrocarbon	25.84	1300	J
3. 000629-96-9	1-Eicosanol	28.57	1700	JN

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-30

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.14

Sample wt/vol: 10 (g/ml) G Lab File ID: BN02556.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 8.74 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-30

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.14

Sample wt/vol: 10 (g/ml) G Lab File ID: BN02556.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 8.74 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1400	B
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	320	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-30

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.14

Sample wt/vol: 10 (g/ml) G Lab File ID: BN02556.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 8.74 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.90	1900	JN
2. 000112-92-5	1-Octadecanol	24.32	6000	JN
3. 071579-69-6	3-Isopropoxy-1,1,1,7,7,7-hexame	25.83	1400	JN
4. 000629-96-9	1-Eicosanol	28.56	2100	JN

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-31

Lab Name: FMETL Lab Cod 13461

Project 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.16

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN02557.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 9.83 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-31

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4140.16

Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN02557.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 9.83 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1400	B
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	220	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-31

Lab Name: FMETL Lab Cod 13461
Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: 4140.16
Sample wt/vol: 10.07 (g/ml) G Lab File ID: BN02557.D
Level: (low/med) LOW Date Received: 12/14/98
% Moisture: 9.83 decanted: (Y/N) N Date Extracted: 12/15/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

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	1800	JN
2. 001454-84-8	1-Nonadecanol	24.32	6700	JN
3.	unknown	25.83	2200	J
4.	unknown	26.79	980	J
5. 001599-67-3	1-Docosene	28.56	1900	JN

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-32

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4140.18

Sample wt/vol: 10.34 (g/ml) G Lab File ID: BN02558.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 11.06 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-32

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.18

Sample wt/vol: 10.34 (g/ml) G Lab File ID: BN02558.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 11.06 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	360	JB
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	170	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-32

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.18

Sample wt/vol: 10.34 (g/ml) G Lab File ID: BN02558.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 11.06 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 12 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-10-3	Hexadecanoic acid	19.76	1100	JN
2. 000629-99-2	Pentacosane	21.01	1200	JN
3. 000629-78-7	Heptadecane	22.75	1800	JN
4. 000544-76-3	Hexadecane	23.57	1600	JN
5. 001454-84-8	1-Nonadecanol	24.33	13000	JN
6. 000544-85-4	Dotriacontane	25.10	1500	JN
7.	unknown	25.83	3600	J
8. 000630-06-8	Hexatriacontane	26.54	1300	JN
9. 000544-85-4	Dotriacontane	27.22	1800	JN
10. 000630-03-5	Nonacosane	28.51	1100	JN
11. 001599-67-3	1-Docosene	28.57	3300	JN
12. 019047-85-9	Phosphonic acid, dioctadecyl est	29.88	920	JN

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-33

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.20

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BN02559.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 11.47 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-33

Lab Name: FMETL Lab Cod 13461

Project 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.20

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BN02559.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 11.47 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	740	JB
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	190	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-33

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.20

Sample wt/vol: 10.26 (g/ml) G Lab File ID: BN02559.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 11.47 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 7 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074367-33-2	Propanoic acid, 2-methyl-, 2,2-di	12.95	1700	JN
2. 074367-34-3	Propanoic acid, 2-methyl-, 3-hydr	13.24	2400	JN
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.90	1600	JN
4. 001454-84-8	1-Nonadecanol	24.32	9800	JN
5.	unknown	25.83	2200	J
6. 000630-07-9	Pentatriacontane	27.22	930	JN
7. 000629-96-9	1-Eicosanol	28.56	2700	JN

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-34

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4140.22

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN02560.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 8.51 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Field ID:

B-34

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.22

Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN02560.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 8.51 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

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	530	J
120-12-7	Anthracene	130	J
84-74-2	Di-n-butylphthalate	300	JB
206-44-0	Fluoranthene	1100	
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1900	
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	810	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	
117-81-7	bis(2-Ethylhexyl)phthalate	1100	U
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	470	J
207-08-9	Benzo[k]fluoranthene	620	J
50-32-8	Benzo[a]pyrene	660	J
193-39-5	Indeno[1,2,3-cd]pyrene	220	J
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	300	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-34

Lab Name: FMETL Lab Cod 13461
Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: 4140.22
Sample wt/vol: 10.13 (g/ml) G Lab File ID: BN02560.D
Level: (low/med) LOW Date Received: 12/14/98
% Moisture: 8.51 decanted: (Y/N) N Date Extracted: 12/15/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	25.83	1600	J
2.	unknown	26.79	870	J
3. 000629-96-9	1-Eicosanol	28.56	2100	JN

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-35

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.24

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN02561.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 8.05 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	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	150	J
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-35

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4140.24

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN02561.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 8.05 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	690	JB
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	220	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	150	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	250	J
117-81-7	bis(2-Ethylhexyl)phthalate	170	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	290	J
207-08-9	Benzo[k]fluoranthene	280	J
50-32-8	Benzo[a]pyrene	450	J
193-39-5	Indeno[1,2,3-cd]pyrene	190	J
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	280	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-35

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4140.24

Sample wt/vol: 10.2 (g/ml) G Lab File ID: BN02561.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 8.05 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 6 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	12.95	1900	J
2.	unknown	13.24	2900	J
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.90	1500	JN
4.	unknown	25.83	2100	J
5.	unknown	26.79	2300	J
6. 000629-96-9	1-Eicosanol	28.56	3500	JN

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-36

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.26

Sample wt/vol: 10.05 (g/ml) G Lab File ID: BN02562.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 6.29 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-36

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.26

Sample wt/vol: 10.05 (g/ml) G Lab File ID: BN02562.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 6.29 decanted:(Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
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	1800	B
206-44-0	Fluoranthene	280	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	260	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	120	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	170	J
117-81-7	bis(2-Ethylhexyl)phthalate	140	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	120	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	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-36

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.26

Sample wt/vol: 10.05 (g/ml) G Lab File ID: BN02562.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 6.29 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 7 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	12.96	1800	J
2.	unknown	13.23	2400	J
3. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.90	3500	JN
4. 000057-10-3	Hexadecanoic acid	19.76	1100	JN
5.	unknown	25.83	2200	J
6. 000629-96-9	1-Eicosanol	28.57	3500	JN
7.	unknown	29.88	1000	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-37

Lab Name: FMETL Lab Cod 13461
 Project: 980211 Case No.: 4140 Location: CW-3A SDG No.:
 Matrix: (soil/water) SOIL Lab Sample ID: 4140.28
 Sample wt/vol: 10 (g/ml) G Lab File ID: BN02563.D
 Level: (low/med) LOW Date Received: 12/14/98
 % Moisture: 8.56 decanted: (Y/N) N Date Extracted: 12/15/98
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	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	160	J
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-37

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4140.28

Sample wt/vol: 10 (g/ml) G Lab File ID: BN02563.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 8.56 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

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	520	J
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1100	JB
206-44-0	Fluoranthene	590	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1200	
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	360	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	730	J
117-81-7	bis(2-Ethylhexyl)phthalate	140	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	350	J
207-08-9	Benzo[k]fluoranthene	370	J
50-32-8	Benzo[a]pyrene	370	J
193-39-5	Indeno[1,2,3-cd]pyrene	140	J
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	200	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-37

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4140.28

Sample wt/vol: 10 (g/ml) G Lab File ID: BN02563.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 8.56 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 10 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000130-15-4	1,4-Naphthalenedione	13.78	1700	JN
2.	unknown	15.01	9000	J
3.	unknown	15.91	1700	J
4. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.90	1900	JN
5. 000057-10-3	Hexadecanoic acid	19.76	1200	JN
6. 000506-52-5	1-Hexacosanol	25.83	2300	JN
7. 000124-25-4	Tetradecanal	28.18	1400	JN
8. 000112-95-8	Eicosane	28.52	1200	JN
9. 000629-96-9	1-Eicosanol	28.57	4300	JN
10. 000506-51-4	1-Tetracosanol	29.89	1300	JN

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-38

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4140 Location: CW-3A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4140.30

Sample wt/vol: 10.47 (g/ml) G Lab File ID: BN02564.D

Level: (low/med) LOW Date Received: 12/14/98

% Moisture: 7.29 decanted: (Y/N) N Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-38

Lab Name: FMETL

Lab Cod 13461

Project: 980211

Case No.: 4140

Location: CW-3A SDG No.:

Matrix: (soil/water) SOIL

Lab Sample ID: 4140.30

Sample wt/vol: 10.47 (g/ml) G

Lab File ID: BN02564.D

Level: (low/med) LOW

Date Received: 12/14/98

% Moisture: 7.29 decanted:(Y/N) N

Date Extracted: 12/15/98

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 1/5/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

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	760	JB
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	160	J
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	120	J
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	160	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	110	J
50-32-8	Benzo[a]pyrene	130	J
193-39-5	Indeno[1,2,3-cd]pyrene	1000	U
53-70-3	Dibenz[a,h]anthracene	1000	U
191-24-2	Benzo[g,h,i]perylene	1000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID:

B-38

Lab Name: FMETL Lab Cod 13461
Project: 980211 Case No.: 4140 Location: CW-3A SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: 4140.30
Sample wt/vol: 10.47 (g/ml) G Lab File ID: BN02564.D
Level: (low/med) LOW Date Received: 12/14/98
% Moisture: 7.29 decanted: (Y/N) N Date Extracted: 12/18/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/5/99
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

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	18.91	6700	JN
2.	unknown	25.83	3000	J
3. 000629-96-9	1-Eicosanol	28.56	2900	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-39

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.02

Sample wt/vol: 10.03 (g/ml) G Lab File ID: BNA01791.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 8.08 decanted: (Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-39

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.02

Sample wt/vol: 10.03 (g/ml) G Lab File ID: BNA01791.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 8.08 decanted:(Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1200	B
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	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

B-39

Lab Name: FMETL NJDEP: 13461
Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: 4141.02
Sample wt/vol: 10.03 (g/ml) G Lab File ID: BNA01791.D
Level: (low/med) LOW Date Received: 12/15/98
% Moisture: 8.08 decanted: (Y/N) N Date Extracted: 12/18/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99
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	17.06	980	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.56	7900	JN
3. 074685-30-6	5-Eicosene, (E)-	24.00	3300	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-40

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.04

Sample wt/vol: 10.14 (g/ml) G Lab File ID: BNA01792.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 10.7 decanted: (Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-40

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.04

Sample wt/vol: 10.14 (g/ml) G Lab File ID: BNA01792.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 10.7 decanted:(Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	750	JB
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	12000	B
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-40

Lab Name: FMETL NJDEP: 13461
 Project: 980211 Case No.: 4141 Location: CW3-A SDG No.:
 Matrix: (soil/water) SOIL Lab Sample ID: 4141.04
 Sample wt/vol: 10.14 (g/ml) G Lab File ID: BNA01792.D
 Level: (low/med) LOW Date Received: 12/15/98
 % Moisture: 10.7 decanted: (Y/N) N Date Extracted: 12/18/98
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99
 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	18.55	5100	JN
2. 074685-30-6	5-Eicosene, (E)-	24.01	4200	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-41

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4141.06

Sample wt/vol: 10.29 (g/ml) G Lab File ID: BNA01793.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 8.8 decanted:(Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-41

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.06

Sample wt/vol: 10.29 (g/ml) G Lab File ID: BNA01793.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 8.8 decanted:(Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	1100	B
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	3200	B
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	1100	U
207-08-9	Benzo[k]fluoranthene	1100	U
50-32-8	Benzo[a]pyrene	1100	U
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.
TENTATIVELY IDENTIFIED COMPOUNDS

B-41

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.06

Sample wt/vol: 10.29 (g/ml) G Lab File ID: BNA01793.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 8.8 decanted: (Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

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	16.38	1300	J
2. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	18.55	5000	JN
3. 074685-30-6	5-Eicosene, (E)-	24.00	4100	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-42

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.08

Sample wt/vol: 10.12 (g/ml) G Lab File ID: BNA01794.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 9.24 decanted: (Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-42

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4141.08

Sample wt/vol: 10.12 (g/ml) G Lab File ID: BNA01794.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 9.24 decanted:(Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	890	JB
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	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

B-42

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.08

Sample wt/vol: 10.12 (g/ml) G Lab File ID: BNA01794.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 9.24 decanted: (Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

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	18.55	6500	JN
2. 074685-30-6	5-Eicosene, (E)-	24.00	3400	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-43

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.10

Sample wt/vol: 10.28 (g/ml) G Lab File ID: BNA01795.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 17.63 decanted: (Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1200	U
62-75-9	N-nitroso-dimethylamine	1200	U
62-53-3	Aniline	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
	2-Methylphenol	1200	U
108-60-1	bis(2-chloroisopropyl)ether	1200	U
	4-Methylphenol	1200	U
621-64-7	n-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
65-85-0	Benzoic Acid	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	1200	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-43

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4141.10

Sample wt/vol: 10.28 (g/ml) G Lab File ID: BNA01795.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 17.63 decanted:(Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (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	350	JB
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	1200	U
129-00-0	Pyrene	1200	U
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo[a]anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	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

B-43

Lab Name: FMETL NJDEP: 13461
Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: 4141.10
Sample wt/vol: 10.28 (g/ml) G Lab File ID: BNA01795.D
Level: (low/med) LOW Date Received: 12/15/98
% Moisture: 17.63 decanted: (Y/N) N Date Extracted: 12/18/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99
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	18.54	2100	JN
2. 074685-30-6	5-Eicosene, (E)-	24.01	3600	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-44

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.12

Sample wt/vol: 10.04 (g/ml) G Lab File ID: BNA01796.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 13.36 decanted:(Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-44

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.12

Sample wt/vol: 10.04 (g/ml) G Lab File ID: BNA01796.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 13.36 decanted: (Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (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	1200	
120-12-7	Anthracene	190	J
84-74-2	Di-n-butylphthalate	410	JB
206-44-0	Fluoranthene	1500	
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	2100	
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	760	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	910	J
117-81-7	bis(2-Ethylhexyl)phthalate	1100	U
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	480	J
207-08-9	Benzo[k]fluoranthene	630	J
50-32-8	Benzo[a]pyrene	650	J
193-39-5	Indeno[1,2,3-cd]pyrene	250	J
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	340	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.
TENTATIVELY IDENTIFIED COMPOUNDS

B-44

Lab Name: FMETL NJDEP: 13461
Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: 4141.12
Sample wt/vol: 10.04 (g/ml) G Lab File ID: BNA01796.D
Level: (low/med) LOW Date Received: 12/15/98
% Moisture: 13.36 decanted: (Y/N) N Date Extracted: 12/18/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99
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	18.54	2400	JN
2. 074685-33-9	3-Eicosene, (E)-	24.00	2200	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-45

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.14

Sample wt/vol: 10.51 (g/ml) G Lab File ID: BNA01797.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 9.49 decanted:(Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-45

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.14

Sample wt/vol: 10.51 (g/ml) G Lab File ID: BNA01797.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 9.49 decanted:(Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (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	1500	B
206-44-0	Fluoranthene	260	J
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	340	J
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	110	J
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	200	J
117-81-7	bis(2-Ethylhexyl)phthalate	110	JB
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo[b]fluoranthene	110	J
207-08-9	Benzo[k]fluoranthene	130	J
50-32-8	Benzo[a]pyrene	110	J
193-39-5	Indeno[1,2,3-cd]pyrene	1100	U
53-70-3	Dibenz[a,h]anthracene	1100	U
191-24-2	Benzo[g,h,i]perylene	1100	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-45

Lab Name: FMETL NJDEP: 13461
Project: 980211 Case No.: 4141 Location: CW3-A SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: 4141.14
Sample wt/vol: 10.51 (g/ml) G Lab File ID: BNA01797.D
Level: (low/med) LOW Date Received: 12/15/98
% Moisture: 9.49 decanted: (Y/N) N Date Extracted: 12/18/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99
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	18.56	7200	JN
2. 074685-30-6	5-Eicosene, (E)-	24.00	2500	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-46

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.16

Sample wt/vol: 10.05 (g/ml) G Lab File ID: BNA01798.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 9.93 decanted:(Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-46

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.16

Sample wt/vol: 10.05 (g/ml) G Lab File ID: BNA01798.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 9.93 decanted:(Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	800	JB
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	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

B-46

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.16

Sample wt/vol: 10.05 (g/ml) G Lab File ID: BNA01798.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 9.93 decanted: (Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

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	18.55	5000	JN
2. 074685-33-9	3-Eicosene, (E)-	24.00	3000	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-47

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.18

Sample wt/vol: 10.49 (g/ml) G Lab File ID: BNA01799.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 7.83 decanted: (Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1000	U
62-75-9	N-nitroso-dimethylamine	1000	U
62-53-3	Aniline	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
	2-Methylphenol	1000	U
108-60-1	bis(2-chloroisopropyl)ether	1000	U
	4-Methylphenol	1000	U
621-64-7	n-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
65-85-0	Benzoic Acid	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	1000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-47

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.18

Sample wt/vol: 10.49 (g/ml) G Lab File ID: BNA01799.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 7.83 decanted:(Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (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	890	JB
206-44-0	Fluoranthene	1000	U
92-87-5	Benzidine	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
56-55-3	Benzo[a]anthracene	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)phthalate	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

B-47

Lab Name: FMETL NJDEP: 13461
Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: 4141.18
Sample wt/vol: 10.49 (g/ml) G Lab File ID: BNA01799.D
Level: (low/med) LOW Date Received: 12/15/98
% Moisture: 7.83 decanted: (Y/N) N Date Extracted: 12/18/98
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99
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	18.55	4900	JN
2. 074685-30-6	5-Eicosene, (E)-	24.00	2800	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-48

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.20

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA01800.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 7.09 decanted:(Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

110-86-1	Pyridine	1100	U
62-75-9	N-nitroso-dimethylamine	1100	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
100-51-6	Benzyl alcohol	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
	2-Methylphenol	1100	U
108-60-1	bis(2-chloroisopropyl)ether	1100	U
	4-Methylphenol	1100	U
621-64-7	n-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
65-85-0	Benzoic Acid	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-48

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 4141.20

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA01800.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 7.09 decanted:(Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	1100	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U
103-33-3	Azobenzene	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-butylphthalate	800	JB
206-44-0	Fluoranthene	1100	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
56-55-3	Benzo[a]anthracene	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	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
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-48

Lab Name: FMETL NJDEP: 13461

Project: 980211 Case No.: 4141 Location: CW3-A SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4141.20

Sample wt/vol: 10.02 (g/ml) G Lab File ID: BNA01800.D

Level: (low/med) LOW Date Received: 12/15/98

% Moisture: 7.09 decanted: (Y/N) N Date Extracted: 12/18/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/99

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	18.55	4600	JN
2. 074685-30-6	5-Eicosene, (E)-	24.00	3400	JN

METHOD BLANKS

000436

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	BLK258
	DPW. SELFM-PW-EV	Date Rec'd:	
	Bldg. 173	Extraction Date:	12/11/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/29/98
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:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000437

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	BLK259
	DPW. SELFM-PW-EV	Date Rec'd:	
	Bldg. 173	Extraction Date:	12/14/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
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:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000438

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	BLK261
	DPW. SELFM-PW-EV	Date Rec'd:	
	Bldg. 173	Extraction Date:	12/17/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/7/99
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-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

000439

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	BLK262
	DPW. SELFM-PW-EV	Date Rec'd:	
	Bldg. 173	Extraction Date:	12/1/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/8/99
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:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000440

FIELD DUPLICATES

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4128.32
	DPW. SELFM-PW-EV	Date Rec'd:	12/9/98
	Bldg. 173	Extraction Date:	12/14/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	CW-3-A
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	10	93.13	0.0032	ND	NLE
beta-BHC	10	93.13	0.0032	ND	NLE
gamma-BHC	10	93.13	0.0043	ND	0.52
delta-BHC	10	93.13	0.0043	ND	NLE
Heptachlor	10	93.13	0.0032	ND	0.15
Aldrin	10	93.13	0.0043	ND	0.04
Heptachlor Epoxide	10	93.13	0.0064	ND	NLE
Endosulfan I	10	93.13	0.0053	ND	NLE
4,4'-DDE	10	93.13	0.0043	0.014	2
Dieldrin	10	93.13	0.0053	ND	0.042
Endrin	10	93.13	0.0053	ND	17
Endosulfan II	10	93.13	0.0043	ND	NLE
4,4'-DDD	10	93.13	0.0064	ND	3
Endrin Aldehyde	10	93.13	0.0053	ND	NLE
4,4'-DDT	10	93.13	0.0118	0.019	2
Endosulfan-Sulfate	10	93.13	0.0043	ND	NLE
gamma -Chlordane	10	93.13	0.0053	ND	NLE
alpha-Chlordane	10	93.13	0.0053	ND	NLE
Toxaphene	10	93.13	0.0032	ND	0.1
Arochlor 1016	10	93.13	0.1198	ND	0.49
Arochlor 1221	10	93.13	0.2203	ND	0.49
Arochlor 1232	10	93.13	0.1497	ND	0.49
Arochlor 1242	10	93.13	0.1711	ND	0.49
Arochlor 1248	10	93.13	0.0684	ND	0.49
Arochlor 1254	10	93.13	0.0428	ND	0.49
Arochlor 1260	10	93.13	0.0385	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000442

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4141.22
	DPW. SELFM-PW-EV	Date Rec'd:	12/15/98
	Bldg. 173	Extraction Date:	12/18/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/13/99
Analysis:	SW-846 Method 8081/8082	Location :	CW3-A
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	5	92.53	0.0016	ND	NLE
beta-BHC	5	92.53	0.0016	ND	NLE
gamma-BHC	5	92.53	0.0022	ND	0.52
delta-BHC	5	92.53	0.0022	ND	NLE
Heptachlor	5	92.53	0.0016	ND	0.15
Aldrin	5	92.53	0.0022	ND	0.04
Heptachlor Epoxide	5	92.53	0.0032	ND	NLE
Endosulfan I	5	92.53	0.0027	ND	NLE
4,4'-DDE	5	92.53	0.0022	ND	2
Dieldrin	5	92.53	0.0027	ND	0.042
Endrin	5	92.53	0.0027	ND	17
Endosulfan II	5	92.53	0.0022	ND	NLE
4,4'-DDD	5	92.53	0.0032	ND	3
Endrin Aldehyde	5	92.53	0.0027	ND	NLE
4,4'-DDT	5	92.53	0.0059	ND	2
Endosulfan-Sulfate	5	92.53	0.0022	ND	NLE
gamma -Chlordane	5	92.53	0.0027	ND	NLE
alpha-Chlordane	5	92.53	0.0027	ND	NLE
Toxaphene	5	92.53	0.0016	ND	0.1
Arochlor 1016	5	92.53	0.0603	ND	0.49
Arochlor 1221	5	92.53	0.1110	ND	0.49
Arochlor 1232	5	92.53	0.0754	ND	0.49
Arochlor 1242	5	92.53	0.0862	ND	0.49
Arochlor 1248	5	92.53	0.0345	ND	0.49
Arochlor 1254	5	92.53	0.0215	ND	0.49
Arochlor 1260	5	92.53	0.0194	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

000443

SAMPLES

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4124.02
	DPW. SELFM-PW-EV	Date Rec'd:	12/8/98
	Bldg. 173	Extraction Date:	12/11/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/29/98
Analysis:	SW-846 Method 8081/8082	Location :	C-W-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	1

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	92.17	0.0032	ND	NLE
beta-BHC	10	92.17	0.0032	ND	NLE
gamma-BHC	10	92.17	0.0042	ND	0.52
delta-BHC	10	92.17	0.0042	ND	NLE
Heptachlor	10	92.17	0.0032	ND	0.15
Aldrin	10	92.17	0.0042	ND	0.04
Heptachlor Epoxide	10	92.17	0.0063	ND	NLE
Endosulfan I	10	92.17	0.0053	ND	NLE
4,4'-DDE	10	92.17	0.0042	0.031	2
Dieldrin	10	92.17	0.0053	ND	0.042
Endrin	10	92.17	0.0053	ND	17
Endosulfan II	10	92.17	0.0042	ND	NLE
4,4'-DDD	10	92.17	0.0063	ND	3
Endrin Aldehyde	10	92.17	0.0053	ND	NLE
4,4'-DDT	10	92.17	0.0116	0.063	2
Endosulfan-Sulfate	10	92.17	0.0042	ND	NLE
gamma -Chlordane	10	92.17	0.0053	ND	NLE
alpha-Chlordane	10	92.17	0.0053	ND	NLE
Toxaphene	10	92.17	0.0032	ND	0.1
Arochlor 1016	10	92.17	0.1181	ND	0.49
Arochlor 1221	10	92.17	0.2172	ND	0.49
Arochlor 1232	10	92.17	0.1476	ND	0.49
Arochlor 1242	10	92.17	0.1687	ND	0.49
Arochlor 1248	10	92.17	0.0675	ND	0.49
Arochlor 1254	10	92.17	0.0422	ND	0.49
Arochlor 1260	10	92.17	0.0380	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25

000445

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4124.04
	DPW. SELFM-PW-EV	Date Rec'd:	12/8/98
	Bldg. 173	Extraction Date:	12/11/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	C-W-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	2

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	93.21	0.0031	ND	NLE
beta-BHC	10	93.21	0.0031	ND	NLE
gamma-BHC	10	93.21	0.0042	ND	0.52
delta-BHC	10	93.21	0.0042	ND	NLE
Heptachlor	10	93.21	0.0031	ND	0.15
Aldrin	10	93.21	0.0042	ND	0.04
Heptachlor Epoxide	10	93.21	0.0062	ND	NLE
Endosulfan I	10	93.21	0.0052	ND	NLE
4,4'-DDE	10	93.21	0.0042	0.008	2
Dieldrin	10	93.21	0.0052	ND	0.042
Endrin	10	93.21	0.0052	ND	17
Endosulfan II	10	93.21	0.0042	ND	NLE
4,4'-DDD	10	93.21	0.0062	ND	3
Endrin Aldehyde	10	93.21	0.0052	ND	NLE
4,4'-DDT	10	93.21	0.0115	0.026	2
Endosulfan-Sulfate	10	93.21	0.0042	ND	NLE
gamma -Chlordane	10	93.21	0.0052	ND	NLE
alpha-Chlordane	10	93.21	0.0052	ND	NLE
Toxaphene	10	93.21	0.0031	ND	0.1
Arochlor 1016	10	93.21	0.1167	ND	0.49
Arochlor 1221	10	93.21	0.2146	ND	0.49
Arochlor 1232	10	93.21	0.1458	ND	0.49
Arochlor 1242	10	93.21	0.1667	ND	0.49
Arochlor 1248	10	93.21	0.0667	ND	0.49
Arochlor 1254	10	93.21	0.0417	ND	0.49
Arochlor 1260	10	93.21	0.0375	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25

000446

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4124.06
	DPW. SELFM-PW-EV	Date Rec'd:	12/8/98
	Bldg. 173	Extraction Date:	12/11/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	C-W-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	3

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	95.97	0.0031	ND	NLE
beta-BHC	10	95.97	0.0031	ND	NLE
gamma-BHC	10	95.97	0.0041	ND	0.52
delta-BHC	10	95.97	0.0041	ND	NLE
Heptachlor	10	95.97	0.0031	ND	0.15
Aldrin	10	95.97	0.0041	ND	0.04
Heptachlor Epoxide	10	95.97	0.0061	ND	NLE
Endosulfan I	10	95.97	0.0051	ND	NLE
4,4'-DDE	10	95.97	0.0041	ND	2
Dieldrin	10	95.97	0.0051	ND	0.042
Endrin	10	95.97	0.0051	ND	17
Endosulfan II	10	95.97	0.0041	ND	NLE
4,4'-DDD	10	95.97	0.0061	ND	3
Endrin Aldehyde	10	95.97	0.0051	ND	NLE
4,4'-DDT	10	95.97	0.0113	ND	2
Endosulfan-Sulfate	10	95.97	0.0041	ND	NLE
gamma -Chlordane	10	95.97	0.0051	ND	NLE
alpha-Chlordane	10	95.97	0.0051	ND	NLE
Toxaphene	10	95.97	0.0031	ND	0.1
Arochlor 1016	10	95.97	0.1146	ND	0.49
Arochlor 1221	10	95.97	0.2109	ND	0.49
Arochlor 1232	10	95.97	0.1433	ND	0.49
Arochlor 1242	10	95.97	0.1638	ND	0.49
Arochlor 1248	10	95.97	0.0655	ND	0.49
Arochlor 1254	10	95.97	0.0409	ND	0.49
Arochlor 1260	10	95.97	0.0368	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25

000447

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4124.08
	DPW. SELFM-PW-EV	Date Rec'd:	12/8/98
	Bldg. 173	Extraction Date:	12/11/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	C-W-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	4

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	93.95	0.0032	ND	NLE
beta-BHC	10	93.95	0.0032	ND	NLE
gamma-BHC	10	93.95	0.0042	ND	0.52
delta-BHC	10	93.95	0.0042	ND	NLE
Heptachlor	10	93.95	0.0032	ND	0.15
Aldrin	10	93.95	0.0042	ND	0.04
Heptachlor Epoxide	10	93.95	0.0063	ND	NLE
Endosulfan I	10	93.95	0.0053	ND	NLE
4,4'-DDE	10	93.95	0.0042	ND	2
Dieldrin	10	93.95	0.0053	ND	0.042
Endrin	10	93.95	0.0053	ND	17
Endosulfan II	10	93.95	0.0042	ND	NLE
4,4'-DDD	10	93.95	0.0063	ND	3
Endrin Aldehyde	10	93.95	0.0053	ND	NLE
4,4'-DDT	10	93.95	0.0116	ND	2
Endosulfan-Sulfate	10	93.95	0.0042	ND	NLE
gamma -Chlordane	10	93.95	0.0053	ND	NLE
alpha-Chlordane	10	93.95	0.0053	ND	NLE
Toxaphene	10	93.95	0.0032	ND	0.1
Arochlor 1016	10	93.95	0.1177	ND	0.49
Arochlor 1221	10	93.95	0.2165	ND	0.49
Arochlor 1232	10	93.95	0.1471	ND	0.49
Arochlor 1242	10	93.95	0.1681	ND	0.49
Arochlor 1248	10	93.95	0.0672	ND	0.49
Arochlor 1254	10	93.95	0.0420	ND	0.49
Arochlor 1260	10	93.95	0.0378	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25

000448

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4124.10
	DPW. SELFM-PW-EV	Date Rec'd:	12/8/98
	Bldg. 173	Extraction Date:	12/11/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	C-W-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	5

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	93.44	0.0031	ND	NLE
beta-BHC	10	93.44	0.0031	ND	NLE
gamma-BHC	10	93.44	0.0042	ND	0.52
delta-BHC	10	93.44	0.0042	ND	NLE
Heptachlor	10	93.44	0.0031	ND	0.15
Aldrin	10	93.44	0.0042	ND	0.04
Heptachlor Epoxide	10	93.44	0.0062	ND	NLE
Endosulfan I	10	93.44	0.0052	ND	NLE
4,4'-DDE	10	93.44	0.0042	ND	2
Dieldrin	10	93.44	0.0052	ND	0.042
Endrin	10	93.44	0.0052	ND	17
Endosulfan II	10	93.44	0.0042	ND	NLE
4,4'-DDD	10	93.44	0.0062	ND	3
Endrin Aldehyde	10	93.44	0.0052	ND	NLE
4,4'-DDT	10	93.44	0.0115	ND	2
Endosulfan-Sulfate	10	93.44	0.0042	ND	NLE
gamma -Chlordane	10	93.44	0.0052	ND	NLE
alpha-Chlordane	10	93.44	0.0052	ND	NLE
Toxaphene	10	93.44	0.0031	ND	0.1
Arochlor 1016	10	93.44	0.1166	ND	0.49
Arochlor 1221	10	93.44	0.2145	ND	0.49
Arochlor 1232	10	93.44	0.1457	ND	0.49
Arochlor 1242	10	93.44	0.1666	ND	0.49
Arochlor 1248	10	93.44	0.0666	ND	0.49
Arochlor 1254	10	93.44	0.0416	ND	0.49
Arochlor 1260	10	93.44	0.0375	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25

000449

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4124.12
	DPW. SELFM-PW-EV	Date Rec'd:	12/8/98
	Bldg. 173	Extraction Date:	12/11/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	C-W-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	6

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	93.88	0.0031	ND	NLE
beta-BHC	10	93.88	0.0031	ND	NLE
gamma-BHC	10	93.88	0.0042	ND	0.52
delta-BHC	10	93.88	0.0042	ND	NLE
Heptachlor	10	93.88	0.0031	ND	0.15
Aldrin	10	93.88	0.0042	ND	0.04
Heptachlor Epoxide	10	93.88	0.0063	ND	NLE
Endosulfan I	10	93.88	0.0052	ND	NLE
4,4'-DDE	10	93.88	0.0042	ND	2
Dieldrin	10	93.88	0.0052	ND	0.042
Endrin	10	93.88	0.0052	ND	17
Endosulfan II	10	93.88	0.0042	ND	NLE
4,4'-DDD	10	93.88	0.0063	ND	3
Endrin Aldehyde	10	93.88	0.0052	ND	NLE
4,4'-DDT	10	93.88	0.0115	ND	2
Endosulfan-Sulfate	10	93.88	0.0042	ND	NLE
gamma -Chlordane	10	93.88	0.0052	ND	NLE
alpha-Chlordane	10	93.88	0.0052	ND	NLE
Toxaphene	10	93.88	0.0031	ND	0.1
Arochlor 1016	10	93.88	0.1172	ND	0.49
Arochlor 1221	10	93.88	0.2155	ND	0.49
Arochlor 1232	10	93.88	0.1465	ND	0.49
Arochlor 1242	10	93.88	0.1674	ND	0.49
Arochlor 1248	10	93.88	0.0670	ND	0.49
Arochlor 1254	10	93.88	0.0419	ND	0.49
Arochlor 1260	10	93.88	0.0377	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25

000450

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4124.14
	DPW. SELFM-PW-EV	Date Rec'd:	12/8/98
	Bldg. 173	Extraction Date:	12/11/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	C-W-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	7

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	93.99	0.0031	ND	NLE
beta-BHC	10	93.99	0.0031	ND	NLE
gamma-BHC	10	93.99	0.0041	ND	0.52
delta-BHC	10	93.99	0.0041	ND	NLE
Heptachlor	10	93.99	0.0031	ND	0.15
Aldrin	10	93.99	0.0041	ND	0.04
Heptachlor Epoxide	10	93.99	0.0062	ND	NLE
Endosulfan I	10	93.99	0.0051	ND	NLE
4,4'-DDE	10	93.99	0.0041	0.009	2
Dieldrin	10	93.99	0.0051	ND	0.042
Endrin	10	93.99	0.0051	ND	17
Endosulfan II	10	93.99	0.0041	ND	NLE
4,4'-DDD	10	93.99	0.0062	0.014	3
Endrin Aldehyde	10	93.99	0.0051	ND	NLE
4,4'-DDT	10	93.99	0.0113	0.025	2
Endosulfan-Sulfate	10	93.99	0.0041	ND	NLE
gamma -Chlordane	10	93.99	0.0051	ND	NLE
alpha-Chlordane	10	93.99	0.0051	ND	NLE
Toxaphene	10	93.99	0.0031	ND	0.1
Arochlor 1016	10	93.99	0.1152	ND	0.49
Arochlor 1221	10	93.99	0.2120	ND	0.49
Arochlor 1232	10	93.99	0.1441	ND	0.49
Arochlor 1242	10	93.99	0.1646	ND	0.49
Arochlor 1248	10	93.99	0.0659	ND	0.49
Arochlor 1254	10	93.99	0.0412	ND	0.49
Arochlor 1260	10	93.99	0.0370	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25

000451

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4124.16
	DPW. SELFM-PW-EV	Date Rec'd:	12/8/98
	Bldg. 173	Extraction Date:	12/11/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	C-W-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	8

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	91.78	0.0032	ND	NLE
beta-BHC	10	91.78	0.0032	ND	NLE
gamma-BHC	10	91.78	0.0043	ND	0.52
delta-BHC	10	91.78	0.0043	ND	NLE
Heptachlor	10	91.78	0.0032	ND	0.15
Aldrin	10	91.78	0.0043	ND	0.04
Heptachlor Epoxide	10	91.78	0.0065	ND	NLE
Endosulfan I	10	91.78	0.0054	ND	NLE
4,4'-DDE	10	91.78	0.0043	ND	2
Dieldrin	10	91.78	0.0054	ND	0.042
Endrin	10	91.78	0.0054	ND	17
Endosulfan II	10	91.78	0.0043	ND	NLE
4,4'-DDD	10	91.78	0.0065	ND	3
Endrin Aldehyde	10	91.78	0.0054	ND	NLE
4,4'-DDT	10	91.78	0.0119	ND	2
Endosulfan-Sulfate	10	91.78	0.0043	ND	NLE
gamma -Chlordane	10	91.78	0.0054	ND	NLE
alpha-Chlordane	10	91.78	0.0054	ND	NLE
Toxaphene	10	91.78	0.0032	ND	0.1
Arochlor 1016	10	91.78	0.1212	ND	0.49
Arochlor 1221	10	91.78	0.2229	ND	0.49
Arochlor 1232	10	91.78	0.1515	ND	0.49
Arochlor 1242	10	91.78	0.1731	ND	0.49
Arochlor 1248	10	91.78	0.0692	ND	0.49
Arochlor 1254	10	91.78	0.0433	ND	0.49
Arochlor 1260	10	91.78	0.0390	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25

000452

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4128.02
	DPW. SELFM-PW-EV	Date Rec'd:	12/9/98
	Bldg. 173	Extraction Date:	12/11/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	CW-3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	9

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	91.56	0.0033	ND	NLE
beta-BHC	10	91.56	0.0033	ND	NLE
gamma-BHC	10	91.56	0.0044	ND	0.52
delta-BHC	10	91.56	0.0044	ND	NLE
Heptachlor	10	91.56	0.0033	ND	0.15
Aldrin	10	91.56	0.0044	ND	0.04
Heptachlor Epoxide	10	91.56	0.0065	ND	NLE
Endosulfan I	10	91.56	0.0054	ND	NLE
4,4'-DDE	10	91.56	0.0044	ND	2
Dieldrin	10	91.56	0.0054	ND	0.042
Endrin	10	91.56	0.0054	ND	17
Endosulfan II	10	91.56	0.0044	ND	NLE
4,4'-DDD	10	91.56	0.0065	ND	3
Endrin Aldehyde	10	91.56	0.0054	ND	NLE
4,4'-DDT	10	91.56	0.0120	ND	2
Endosulfan-Sulfate	10	91.56	0.0044	ND	NLE
gamma -Chlordane	10	91.56	0.0054	ND	NLE
alpha-Chlordane	10	91.56	0.0054	ND	NLE
Toxaphene	10	91.56	0.0033	ND	0.1
Arochlor 1016	10	91.56	0.1218	ND	0.49
Arochlor 1221	10	91.56	0.2241	ND	0.49
Arochlor 1232	10	91.56	0.1523	ND	0.49
Arochlor 1242	10	91.56	0.1741	ND	0.49
Arochlor 1248	10	91.56	0.0696	ND	0.49
Arochlor 1254	10	91.56	0.0435	ND	0.49
Arochlor 1260	10	91.56	0.0392	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000453

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4128.04
	DPW. SELFM-PW-EV	Date Rec'd:	12/9/98
	Bldg. 173	Extraction Date:	12/11/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	CW-3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	10

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	90.85	0.0032	ND	NLE
beta-BHC	10	90.85	0.0032	ND	NLE
gamma-BHC	10	90.85	0.0043	ND	0.52
delta-BHC	10	90.85	0.0043	ND	NLE
Heptachlor	10	90.85	0.0032	ND	0.15
Aldrin	10	90.85	0.0043	ND	0.04
Heptachlor Epoxide	10	90.85	0.0065	ND	NLE
Endosulfan I	10	90.85	0.0054	ND	NLE
4,4'-DDE	10	90.85	0.0043	ND	2
Dieldrin	10	90.85	0.0054	ND	0.042
Endrin	10	90.85	0.0054	ND	17
Endosulfan II	10	90.85	0.0043	ND	NLE
4,4'-DDD	10	90.85	0.0065	ND	3
Endrin Aldehyde	10	90.85	0.0054	ND	NLE
4,4'-DDT	10	90.85	0.0119	ND	2
Endosulfan-Sulfate	10	90.85	0.0043	ND	NLE
gamma -Chlordane	10	90.85	0.0054	ND	NLE
alpha-Chlordane	10	90.85	0.0054	ND	NLE
Toxaphene	10	90.85	0.0032	ND	0.1
Arochlor 1016	10	90.85	0.1211	ND	0.49
Arochlor 1221	10	90.85	0.2227	ND	0.49
Arochlor 1232	10	90.85	0.1514	ND	0.49
Arochlor 1242	10	90.85	0.1730	ND	0.49
Arochlor 1248	10	90.85	0.0692	ND	0.49
Arochlor 1254	10	90.85	0.0433	ND	0.49
Arochlor 1260	10	90.85	0.0389	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000454

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4128.06
	DPW. SELFM-PW-EV	Date Rec'd:	12/9/98
	Bldg. 173	Extraction Date:	12/11/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	CW-3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	11

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	90.30	0.0033	ND	NLE
beta-BHC	10	90.30	0.0033	ND	NLE
gamma-BHC	10	90.30	0.0044	ND	0.52
delta-BHC	10	90.30	0.0044	ND	NLE
Heptachlor	10	90.30	0.0033	ND	0.15
Aldrin	10	90.30	0.0044	ND	0.04
Heptachlor Epoxide	10	90.30	0.0065	ND	NLE
Endosulfan I	10	90.30	0.0054	ND	NLE
4,4'-DDE	10	90.30	0.0044	ND	2
Dieldrin	10	90.30	0.0054	ND	0.042
Endrin	10	90.30	0.0054	ND	17
Endosulfan II	10	90.30	0.0044	ND	NLE
4,4'-DDD	10	90.30	0.0065	ND	3
Endrin Aldehyde	10	90.30	0.0054	ND	NLE
4,4'-DDT	10	90.30	0.0120	ND	2
Endosulfan-Sulfate	10	90.30	0.0044	ND	NLE
gamma -Chlordane	10	90.30	0.0054	ND	NLE
alpha-Chlordane	10	90.30	0.0054	ND	NLE
Toxaphene	10	90.30	0.0033	ND	0.1
Arochlor 1016	10	90.30	0.1221	ND	0.49
Arochlor 1221	10	90.30	0.2245	ND	0.49
Arochlor 1232	10	90.30	0.1526	ND	0.49
Arochlor 1242	10	90.30	0.1744	ND	0.49
Arochlor 1248	10	90.30	0.0698	ND	0.49
Arochlor 1254	10	90.30	0.0436	ND	0.49
Arochlor 1260	10	90.30	0.0392	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000455

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4128.08
	DPW. SELFM-PW-EV	Date Rec'd:	12/9/98
	Bldg. 173	Extraction Date:	12/11/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	CW-3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	12

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	90.51	0.0033	ND	NLE
beta-BHC	10	90.51	0.0033	ND	NLE
gamma-BHC	10	90.51	0.0044	ND	0.52
delta-BHC	10	90.51	0.0044	ND	NLE
Heptachlor	10	90.51	0.0033	ND	0.15
Aldrin	10	90.51	0.0044	ND	0.04
Heptachlor Epoxide	10	90.51	0.0066	ND	NLE
Endosulfan I	10	90.51	0.0055	ND	NLE
4,4'-DDE	10	90.51	0.0044	ND	2
Dieldrin	10	90.51	0.0055	ND	0.042
Endrin	10	90.51	0.0055	ND	17
Endosulfan II	10	90.51	0.0044	ND	NLE
4,4'-DDD	10	90.51	0.0066	ND	3
Endrin Aldehyde	10	90.51	0.0055	ND	NLE
4,4'-DDT	10	90.51	0.0120	ND	2
Endosulfan-Sulfate	10	90.51	0.0044	ND	NLE
gamma -Chlordane	10	90.51	0.0055	ND	NLE
alpha-Chlordane	10	90.51	0.0055	ND	NLE
Toxaphene	10	90.51	0.0033	ND	0.1
Arochlor 1016	10	90.51	0.1226	ND	0.49
Arochlor 1221	10	90.51	0.2256	ND	0.49
Arochlor 1232	10	90.51	0.1533	ND	0.49
Arochlor 1242	10	90.51	0.1752	ND	0.49
Arochlor 1248	10	90.51	0.0701	ND	0.49
Arochlor 1254	10	90.51	0.0438	ND	0.49
Arochlor 1260	10	90.51	0.0394	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000456

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4128.10
	DPW. SELFM-PW-EV	Date Rec'd:	12/9/98
	Bldg. 173	Extraction Date:	12/11/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	CW-3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	13

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	90.58	0.0033	ND	NLE
beta-BHC	10	90.58	0.0033	ND	NLE
gamma-BHC	10	90.58	0.0043	ND	0.52
delta-BHC	10	90.58	0.0043	ND	NLE
Heptachlor	10	90.58	0.0033	ND	0.15
Aldrin	10	90.58	0.0043	ND	0.04
Heptachlor Epoxide	10	90.58	0.0065	ND	NLE
Endosulfan I	10	90.58	0.0054	ND	NLE
4,4'-DDE	10	90.58	0.0043	0.073	2
Dieldrin	10	90.58	0.0054	ND	0.042
Endrin	10	90.58	0.0054	ND	17
Endosulfan II	10	90.58	0.0043	ND	NLE
4,4'-DDD	10	90.58	0.0065	ND	3
Endrin Aldehyde	10	90.58	0.0054	ND	NLE
4,4'-DDT	10	90.58	0.0119	0.066	2
Endosulfan-Sulfate	10	90.58	0.0043	ND	NLE
gamma -Chlordane	10	90.58	0.0054	ND	NLE
alpha-Chlordane	10	90.58	0.0054	ND	NLE
Toxaphene	10	90.58	0.0033	ND	0.1
Arochlor 1016	10	90.58	0.1215	ND	0.49
Arochlor 1221	10	90.58	0.2234	ND	0.49
Arochlor 1232	10	90.58	0.1518	ND	0.49
Arochlor 1242	10	90.58	0.1735	ND	0.49
Arochlor 1248	10	90.58	0.0694	ND	0.49
Arochlor 1254	10	90.58	0.0434	ND	0.49
Arochlor 1260	10	90.58	0.0390	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000457

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4128.12
	DPW. SELFM-PW-EV	Date Rec'd:	12/9/98
	Bldg. 173	Extraction Date:	12/11/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	CW-3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	14

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	86.67	0.0035	ND	NLE
beta-BHC	10	86.67	0.0035	ND	NLE
gamma-BHC	10	86.67	0.0046	ND	0.52
delta-BHC	10	86.67	0.0046	ND	NLE
Heptachlor	10	86.67	0.0035	ND	0.15
Aldrin	10	86.67	0.0046	ND	0.04
Heptachlor Epoxide	10	86.67	0.0069	ND	NLE
Endosulfan I	10	86.67	0.0058	ND	NLE
4,4'-DDE	10	86.67	0.0046	0.028	2
Dieldrin	10	86.67	0.0058	ND	0.042
Endrin	10	86.67	0.0058	ND	17
Endosulfan II	10	86.67	0.0046	ND	NLE
4,4'-DDD	10	86.67	0.0069	0.018	3
Endrin Aldehyde	10	86.67	0.0058	ND	NLE
4,4'-DDT	10	86.67	0.0127	0.073	2
Endosulfan-Sulfate	10	86.67	0.0046	ND	NLE
gamma -Chlordane	10	86.67	0.0058	ND	NLE
alpha-Chlordane	10	86.67	0.0058	ND	NLE
Toxaphene	10	86.67	0.0035	ND	0.1
Arochlor 1016	10	86.67	0.1292	ND	0.49
Arochlor 1221	10	86.67	0.2377	ND	0.49
Arochlor 1232	10	86.67	0.1615	ND	0.49
Arochlor 1242	10	86.67	0.1846	ND	0.49
Arochlor 1248	10	86.67	0.0738	ND	0.49
Arochlor 1254	10	86.67	0.0462	ND	0.49
Arochlor 1260	10	86.67	0.0415	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000458

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4128.14
	DPW. SELFM-PW-EV	Date Rec'd:	12/9/98
	Bldg. 173	Extraction Date:	12/14/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	CW-3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	15

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	88.82	0.0033	ND	NLE
beta-BHC	10	88.82	0.0033	ND	NLE
gamma-BHC	10	88.82	0.0044	ND	0.52
delta-BHC	10	88.82	0.0044	ND	NLE
Heptachlor	10	88.82	0.0033	ND	0.15
Aldrin	10	88.82	0.0044	ND	0.04
Heptachlor Epoxide	10	88.82	0.0066	ND	NLE
Endosulfan I	10	88.82	0.0055	ND	NLE
4,4'-DDE	10	88.82	0.0044	0.089	2
Dieldrin	10	88.82	0.0055	ND	0.042
Endrin	10	88.82	0.0055	ND	17
Endosulfan II	10	88.82	0.0044	ND	NLE
4,4'-DDD	10	88.82	0.0066	0.011	3
Endrin Aldehyde	10	88.82	0.0055	ND	NLE
4,4'-DDT	10	88.82	0.0121	0.269	2
Endosulfan-Sulfate	10	88.82	0.0044	ND	NLE
gamma -Chlordane	10	88.82	0.0055	ND	NLE
alpha-Chlordane	10	88.82	0.0055	ND	NLE
Toxaphene	10	88.82	0.0033	ND	0.1
Arochlor 1016	10	88.82	0.1235	ND	0.49
Arochlor 1221	10	88.82	0.2272	ND	0.49
Arochlor 1232	10	88.82	0.1544	ND	0.49
Arochlor 1242	10	88.82	0.1764	ND	0.49
Arochlor 1248	10	88.82	0.0706	ND	0.49
Arochlor 1254	10	88.82	0.0441	ND	0.49
Arochlor 1260	10	88.82	0.0397	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000459

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4128.16
	DPW. SELFM-PW-EV	Date Rec'd:	12/9/98
	Bldg. 173	Extraction Date:	12/14/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	CW-3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	16

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	93.31	0.0031	ND	NLE
beta-BHC	10	93.31	0.0031	ND	NLE
gamma-BHC	10	93.31	0.0042	ND	0.52
delta-BHC	10	93.31	0.0042	ND	NLE
Heptachlor	10	93.31	0.0031	ND	0.15
Aldrin	10	93.31	0.0042	ND	0.04
Heptachlor Epoxide	10	93.31	0.0062	ND	NLE
Endosulfan I	10	93.31	0.0052	ND	NLE
4,4'-DDE	10	93.31	0.0042	0.060	2
Dieldrin	10	93.31	0.0052	0.012	0.042
Endrin	10	93.31	0.0052	ND	17
Endosulfan II	10	93.31	0.0042	ND	NLE
4,4'-DDD	10	93.31	0.0062	0.015	3
Endrin Aldehyde	10	93.31	0.0052	ND	NLE
4,4'-DDT	10	93.31	0.0115	0.218	2
Endosulfan-Sulfate	10	93.31	0.0042	ND	NLE
gamma -Chlordane	10	93.31	0.0052	ND	NLE
alpha-Chlordane	10	93.31	0.0052	ND	NLE
Toxaphene	10	93.31	0.0031	ND	0.1
Arochlor 1016	10	93.31	0.1166	ND	0.49
Arochlor 1221	10	93.31	0.2145	ND	0.49
Arochlor 1232	10	93.31	0.1458	ND	0.49
Arochlor 1242	10	93.31	0.1666	ND	0.49
Arochlor 1248	10	93.31	0.0667	ND	0.49
Arochlor 1254	10	93.31	0.0417	ND	0.49
Arochlor 1260	10	93.31	0.0375	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000460

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4128.18
	DPW. SELFM-PW-EV	Date Rec'd:	12/9/98
	Bldg. 173	Extraction Date:	12/14/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	CW-3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	17

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	92.95	0.0032	ND	NLE
beta-BHC	10	92.95	0.0032	ND	NLE
gamma-BHC	10	92.95	0.0042	ND	0.52
delta-BHC	10	92.95	0.0042	ND	NLE
Heptachlor	10	92.95	0.0032	ND	0.15
Aldrin	10	92.95	0.0042	ND	0.04
Heptachlor Epoxide	10	92.95	0.0064	ND	NLE
Endosulfan I	10	92.95	0.0053	ND	NLE
4,4'-DDE	10	92.95	0.0042	0.014	2
Dieldrin	10	92.95	0.0053	ND	0.042
Endrin	10	92.95	0.0053	ND	17
Endosulfan II	10	92.95	0.0042	ND	NLE
4,4'-DDD	10	92.95	0.0064	ND	3
Endrin Aldehyde	10	92.95	0.0053	ND	NLE
4,4'-DDT	10	92.95	0.0117	0.021	2
Endosulfan-Sulfate	10	92.95	0.0042	ND	NLE
gamma -Chlordane	10	92.95	0.0053	ND	NLE
alpha-Chlordane	10	92.95	0.0053	ND	NLE
Toxaphene	10	92.95	0.0032	ND	0.1
Arochlor 1016	10	92.95	0.1187	ND	0.49
Arochlor 1221	10	92.95	0.2183	ND	0.49
Arochlor 1232	10	92.95	0.1484	ND	0.49
Arochlor 1242	10	92.95	0.1696	ND	0.49
Arochlor 1248	10	92.95	0.0678	ND	0.49
Arochlor 1254	10	92.95	0.0424	ND	0.49
Arochlor 1260	10	92.95	0.0382	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000461

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4128.20
	DPW. SELFM-PW-EV	Date Rec'd:	12/9/98
	Bldg. 173	Extraction Date:	12/14/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	CW-3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	18

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	91.57	0.0032	ND	NLE
beta-BHC	10	91.57	0.0032	ND	NLE
gamma-BHC	10	91.57	0.0043	ND	0.52
delta-BHC	10	91.57	0.0043	ND	NLE
Heptachlor	10	91.57	0.0032	ND	0.15
Aldrin	10	91.57	0.0043	ND	0.04
Heptachlor Epoxide	10	91.57	0.0065	ND	NLE
Endosulfan I	10	91.57	0.0054	ND	NLE
4,4'-DDE	10	91.57	0.0043	ND	2
Dieldrin	10	91.57	0.0054	ND	0.042
Endrin	10	91.57	0.0054	ND	17
Endosulfan II	10	91.57	0.0043	ND	NLE
4,4'-DDD	10	91.57	0.0065	ND	3
Endrin Aldehyde	10	91.57	0.0054	ND	NLE
4,4'-DDT	10	91.57	0.0119	ND	2
Endosulfan-Sulfate	10	91.57	0.0043	ND	NLE
gamma -Chlordane	10	91.57	0.0054	ND	NLE
alpha-Chlordane	10	91.57	0.0054	ND	NLE
Toxaphene	10	91.57	0.0032	ND	0.1
Arochlor 1016	10	91.57	0.1207	ND	0.49
Arochlor 1221	10	91.57	0.2221	ND	0.49
Arochlor 1232	10	91.57	0.1509	ND	0.49
Arochlor 1242	10	91.57	0.1725	ND	0.49
Arochlor 1248	10	91.57	0.0690	ND	0.49
Arochlor 1254	10	91.57	0.0431	ND	0.49
Arochlor 1260	10	91.57	0.0388	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000462

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4128.22
	DPW. SELFM-PW-EV	Date Rec'd:	12/9/98
	Bldg. 173	Extraction Date:	12/14/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	CW-3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	19

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	90.25	0.0033	ND	NLE
beta-BHC	10	90.25	0.0033	ND	NLE
gamma-BHC	10	90.25	0.0044	ND	0.52
delta-BHC	10	90.25	0.0044	ND	NLE
Heptachlor	10	90.25	0.0033	ND	0.15
Aldrin	10	90.25	0.0044	ND	0.04
Heptachlor Epoxide	10	90.25	0.0066	ND	NLE
Endosulfan I	10	90.25	0.0055	ND	NLE
4,4'-DDE	10	90.25	0.0044	0.010	2
Dieldrin	10	90.25	0.0055	ND	0.042
Endrin	10	90.25	0.0055	ND	17
Endosulfan II	10	90.25	0.0044	ND	NLE
4,4'-DDD	10	90.25	0.0066	ND	3
Endrin Aldehyde	10	90.25	0.0055	ND	NLE
4,4'-DDT	10	90.25	0.0122	0.015	2
Endosulfan-Sulfate	10	90.25	0.0044	ND	NLE
gamma -Chlordane	10	90.25	0.0055	ND	NLE
alpha-Chlordane	10	90.25	0.0055	ND	NLE
Toxaphene	10	90.25	0.0033	ND	0.1
Arochlor 1016	10	90.25	0.1237	ND	0.49
Arochlor 1221	10	90.25	0.2276	ND	0.49
Arochlor 1232	10	90.25	0.1547	ND	0.49
Arochlor 1242	10	90.25	0.1768	ND	0.49
Arochlor 1248	10	90.25	0.0707	ND	0.49
Arochlor 1254	10	90.25	0.0442	ND	0.49
Arochlor 1260	10	90.25	0.0398	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000463

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4128.24
	DPW. SELFM-PW-EV	Date Rec'd:	12/9/98
	Bldg. 173	Extraction Date:	12/14/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	CW-3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	20

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	92.26	0.0032	ND	NLE
beta-BHC	10	92.26	0.0032	ND	NLE
gamma-BHC	10	92.26	0.0043	ND	0.52
delta-BHC	10	92.26	0.0043	ND	NLE
Heptachlor	10	92.26	0.0032	ND	0.15
Aldrin	10	92.26	0.0043	ND	0.04
Heptachlor Epoxide	10	92.26	0.0065	ND	NLE
Endosulfan I	10	92.26	0.0054	ND	NLE
4,4'-DDE	10	92.26	0.0043	ND	2
Dieldrin	10	92.26	0.0054	ND	0.042
Endrin	10	92.26	0.0054	ND	17
Endosulfan II	10	92.26	0.0043	ND	NLE
4,4'-DDD	10	92.26	0.0065	ND	3
Endrin Aldehyde	10	92.26	0.0054	ND	NLE
4,4'-DDT	10	92.26	0.0119	ND	2
Endosulfan-Sulfate	10	92.26	0.0043	ND	NLE
gamma -Chlordane	10	92.26	0.0054	ND	NLE
alpha-Chlordane	10	92.26	0.0054	ND	NLE
Toxaphene	10	92.26	0.0032	ND	0.1
Arochlor 1016	10	92.26	0.1207	ND	0.49
Arochlor 1221	10	92.26	0.2220	ND	0.49
Arochlor 1232	10	92.26	0.1508	ND	0.49
Arochlor 1242	10	92.26	0.1724	ND	0.49
Arochlor 1248	10	92.26	0.0690	ND	0.49
Arochlor 1254	10	92.26	0.0431	ND	0.49
Arochlor 1260	10	92.26	0.0388	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000464

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4128.26
	DPW. SELFM-PW-EV	Date Rec'd:	12/9/98
	Bldg. 173	Extraction Date:	12/14/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	CW-3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	21

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	90.95	0.0033	ND	NLE
beta-BHC	10	90.95	0.0033	ND	NLE
gamma-BHC	10	90.95	0.0044	ND	0.52
delta-BHC	10	90.95	0.0044	ND	NLE
Heptachlor	10	90.95	0.0033	ND	0.15
Aldrin	10	90.95	0.0044	ND	0.04
Heptachlor Epoxide	10	90.95	0.0066	ND	NLE
Endosulfan I	10	90.95	0.0055	ND	NLE
4,4'-DDE	10	90.95	0.0044	ND	2
Dieldrin	10	90.95	0.0055	ND	0.042
Endrin	10	90.95	0.0055	ND	17
Endosulfan II	10	90.95	0.0044	ND	NLE
4,4'-DDD	10	90.95	0.0066	ND	3
Endrin Aldehyde	10	90.95	0.0055	ND	NLE
4,4'-DDT	10	90.95	0.0120	ND	2
Endosulfan-Sulfate	10	90.95	0.0044	ND	NLE
gamma -Chlordane	10	90.95	0.0055	ND	NLE
alpha-Chlordane	10	90.95	0.0055	ND	NLE
Toxaphene	10	90.95	0.0033	ND	0.1
Arochlor 1016	10	90.95	0.1227	ND	0.49
Arochlor 1221	10	90.95	0.2256	ND	0.49
Arochlor 1232	10	90.95	0.1533	ND	0.49
Arochlor 1242	10	90.95	0.1752	ND	0.49
Arochlor 1248	10	90.95	0.0701	ND	0.49
Arochlor 1254	10	90.95	0.0438	ND	0.49
Arochlor 1260	10	90.95	0.0394	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000465

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4128.28
	DPW. SELFM-PW-EV	Date Rec'd:	12/9/98
	Bldg. 173	Extraction Date:	12/14/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	CW-3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	22

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	90.55	0.0032	ND	NLE
beta-BHC	10	90.55	0.0032	ND	NLE
gamma-BHC	10	90.55	0.0043	ND	0.52
delta-BHC	10	90.55	0.0043	ND	NLE
Heptachlor	10	90.55	0.0032	ND	0.15
Aldrin	10	90.55	0.0043	ND	0.04
Heptachlor Epoxide	10	90.55	0.0065	ND	NLE
Endosulfan I	10	90.55	0.0054	ND	NLE
4,4'-DDE	10	90.55	0.0043	ND	2
Dieldrin	10	90.55	0.0054	ND	0.042
Endrin	10	90.55	0.0054	ND	17
Endosulfan II	10	90.55	0.0043	ND	NLE
4,4'-DDD	10	90.55	0.0065	ND	3
Endrin Aldehyde	10	90.55	0.0054	ND	NLE
4,4'-DDT	10	90.55	0.0119	ND	2
Endosulfan-Sulfate	10	90.55	0.0043	ND	NLE
gamma -Chlordane	10	90.55	0.0054	ND	NLE
alpha-Chlordane	10	90.55	0.0054	ND	NLE
Toxaphene	10	90.55	0.0032	ND	0.1
Arochlor 1016	10	90.55	0.1210	ND	0.49
Arochlor 1221	10	90.55	0.2226	ND	0.49
Arochlor 1232	10	90.55	0.1513	ND	0.49
Arochlor 1242	10	90.55	0.1729	ND	0.49
Arochlor 1248	10	90.55	0.0692	ND	0.49
Arochlor 1254	10	90.55	0.0432	ND	0.49
Arochlor 1260	10	90.55	0.0389	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000466

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4128.30
	DPW. SELFM-PW-EV	Date Rec'd:	12/9/98
	Bldg. 173	Extraction Date:	12/18/98
	Ft. Monmouth, NJ 07703	Analysis Date:	12/30/98
Analysis:	SW-846 Method 8081/8082	Location :	CW-3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	23

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	10	91.94	0.0028	ND	NLE
beta-BHC	10	91.94	0.0028	ND	NLE
gamma-BHC	10	91.94	0.0038	ND	0.52
delta-BHC	10	91.94	0.0038	ND	NLE
Heptachlor	10	91.94	0.0028	ND	0.15
Aldrin	10	91.94	0.0038	ND	0.04
Heptachlor Epoxide	10	91.94	0.0057	ND	NLE
Endosulfan I	10	91.94	0.0047	ND	NLE
4,4'-DDE	10	91.94	0.0038	0.005	2
Dieldrin	10	91.94	0.0047	ND	0.042
Endrin	10	91.94	0.0047	ND	17
Endosulfan II	10	91.94	0.0038	ND	NLE
4,4'-DDD	10	91.94	0.0057	ND	3
Endrin Aldehyde	10	91.94	0.0047	ND	NLE
4,4'-DDT	10	91.94	0.0104	ND	2
Endosulfan-Sulfate	10	91.94	0.0038	ND	NLE
gamma -Chlordane	10	91.94	0.0047	ND	NLE
alpha-Chlordane	10	91.94	0.0047	ND	NLE
Toxaphene	10	91.94	0.0028	ND	0.1
Arochlor 1016	10	91.94	0.1064	ND	0.49
Arochlor 1221	10	91.94	0.1957	ND	0.49
Arochlor 1232	10	91.94	0.1330	ND	0.49
Arochlor 1242	10	91.94	0.1520	ND	0.49
Arochlor 1248	10	91.94	0.0608	ND	0.49
Arochlor 1254	10	91.94	0.0380	ND	0.49
Arochlor 1260	10	91.94	0.0342	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000467

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4140.02
	DPW. SELFM-PW-EV	Date Rec'd:	12/14/98
	Bldg. 173	Extraction Date:	12/17/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/7/99
Analysis:	SW-846 Method 8081/8082	Location :	CW-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	24

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	91.14	0.0016	ND	NLE
beta-BHC	5	91.14	0.0016	ND	NLE
gamma-BHC	5	91.14	0.0021	ND	0.52
delta-BHC	5	91.14	0.0021	ND	NLE
Heptachlor	5	91.14	0.0016	ND	0.15
Aldrin	5	91.14	0.0021	ND	0.04
Heptachlor Epoxide	5	91.14	0.0032	ND	NLE
Endosulfan I	5	91.14	0.0027	ND	NLE
4,4'-DDE	5	91.14	0.0021	ND	2
Dieldrin	5	91.14	0.0027	ND	0.042
Endrin	5	91.14	0.0027	ND	17
Endosulfan II	5	91.14	0.0021	ND	NLE
4,4'-DDD	5	91.14	0.0032	ND	3
Endrin Aldehyde	5	91.14	0.0027	ND	NLE
4,4'-DDT	5	91.14	0.0058	0.007	2
Endosulfan-Sulfate	5	91.14	0.0021	ND	NLE
gamma -Chlordane	5	91.14	0.0027	ND	NLE
alpha-Chlordane	5	91.14	0.0027	ND	NLE
Toxaphene	5	91.14	0.0016	ND	0.1
Arochlor 1016	5	91.14	0.0595	ND	0.49
Arochlor 1221	5	91.14	0.1095	ND	0.49
Arochlor 1232	5	91.14	0.0744	ND	0.49
Arochlor 1242	5	91.14	0.0851	ND	0.49
Arochlor 1248	5	91.14	0.0340	ND	0.49
Arochlor 1254	5	91.14	0.0213	ND	0.49
Arochlor 1260	5	91.14	0.0191	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000468

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4140.04
	DPW. SELFM-PW-EV	Date Rec'd:	12/14/98
	Bldg. 173	Extraction Date:	12/17/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/7/99
Analysis:	SW-846 Method 8081/8082	Location :	CW-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	25

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	93.46	0.0015	ND	NLE
beta-BHC	5	93.46	0.0015	ND	NLE
gamma-BHC	5	93.46	0.0020	ND	0.52
delta-BHC	5	93.46	0.0020	ND	NLE
Heptachlor	5	93.46	0.0015	ND	0.15
Aldrin	5	93.46	0.0020	ND	0.04
Heptachlor Epoxide	5	93.46	0.0030	ND	NLE
Endosulfan I	5	93.46	0.0025	ND	NLE
4,4'-DDE	5	93.46	0.0020	0.025	2
Dieldrin	5	93.46	0.0025	ND	0.042
Endrin	5	93.46	0.0025	ND	17
Endosulfan II	5	93.46	0.0020	ND	NLE
4,4'-DDD	5	93.46	0.0030	ND	3
Endrin Aldehyde	5	93.46	0.0025	ND	NLE
4,4'-DDT	5	93.46	0.0055	0.061	2
Endosulfan-Sulfate	5	93.46	0.0020	ND	NLE
gamma -Chlordane	5	93.46	0.0025	ND	NLE
alpha-Chlordane	5	93.46	0.0025	ND	NLE
Toxaphene	5	93.46	0.0015	ND	0.1
Arochlor 1016	5	93.46	0.0556	ND	0.49
Arochlor 1221	5	93.46	0.1022	ND	0.49
Arochlor 1232	5	93.46	0.0695	ND	0.49
Arochlor 1242	5	93.46	0.0794	ND	0.49
Arochlor 1248	5	93.46	0.0318	ND	0.49
Arochlor 1254	5	93.46	0.0199	ND	0.49
Arochlor 1260	5	93.46	0.0179	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000469

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4140.06
	DPW. SELFM-PW-EV	Date Rec'd:	12/14/98
	Bldg. 173	Extraction Date:	12/17/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/7/99
Analysis:	SW-846 Method 8081/8082	Location :	CW-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	26

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	94.00	0.0016	ND	NLE
beta-BHC	5	94.00	0.0016	ND	NLE
gamma-BHC	5	94.00	0.0021	ND	0.52
delta-BHC	5	94.00	0.0021	ND	NLE
Heptachlor	5	94.00	0.0016	ND	0.15
Aldrin	5	94.00	0.0021	ND	0.04
Heptachlor Epoxide	5	94.00	0.0032	ND	NLE
Endosulfan I	5	94.00	0.0026	ND	NLE
4,4'-DDE	5	94.00	0.0021	0.019	2
Dieldrin	5	94.00	0.0026	ND	0.042
Endrin	5	94.00	0.0026	ND	17
Endosulfan II	5	94.00	0.0021	ND	NLE
4,4'-DDD	5	94.00	0.0032	ND	3
Endrin Aldehyde	5	94.00	0.0026	ND	NLE
4,4'-DDT	5	94.00	0.0058	0.025	2
Endosulfan-Sulfate	5	94.00	0.0021	ND	NLE
gamma -Chlordane	5	94.00	0.0026	ND	NLE
alpha-Chlordane	5	94.00	0.0026	ND	NLE
Toxaphene	5	94.00	0.0016	ND	0.1
Arochlor 1016	5	94.00	0.0593	ND	0.49
Arochlor 1221	5	94.00	0.1091	ND	0.49
Arochlor 1232	5	94.00	0.0742	ND	0.49
Arochlor 1242	5	94.00	0.0848	ND	0.49
Arochlor 1248	5	94.00	0.0339	ND	0.49
Arochlor 1254	5	94.00	0.0212	ND	0.49
Arochlor 1260	5	94.00	0.0191	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

000470

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4140.08
	DPW. SELFM-PW-EV	Date Rec'd:	12/14/98
	Bldg. 173	Extraction Date:	12/17/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/7/99
Analysis:	SW-846 Method 8081/8082	Location :	CW-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	27

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	78.64	0.0018	ND	NLE
beta-BHC	5	78.64	0.0018	ND	NLE
gamma-BHC	5	78.64	0.0024	ND	0.52
delta-BHC	5	78.64	0.0024	ND	NLE
Heptachlor	5	78.64	0.0018	ND	0.15
Aldrin	5	78.64	0.0024	ND	0.04
Heptachlor Epoxide	5	78.64	0.0037	ND	NLE
Endosulfan I	5	78.64	0.0030	ND	NLE
4,4'-DDE	5	78.64	0.0024	0.279	2
Dieldrin	5	78.64	0.0030	ND	0.042
Endrin	5	78.64	0.0030	ND	17
Endosulfan II	5	78.64	0.0024	ND	NLE
4,4'-DDD	5	78.64	0.0037	0.093	3
Endrin Aldehyde	5	78.64	0.0030	ND	NLE
4,4'-DDT	50	78.64	0.0671	0.892	2
Endosulfan-Sulfate	5	78.64	0.0024	ND	NLE
gamma -Chlordane	5	78.64	0.0030	ND	NLE
alpha-Chlordane	5	78.64	0.0030	ND	NLE
Toxaphene	5	78.64	0.0018	ND	0.1
Arochlor 1016	5	78.64	0.0683	ND	0.49
Arochlor 1221	5	78.64	0.1256	ND	0.49
Arochlor 1232	5	78.64	0.0853	ND	0.49
Arochlor 1242	5	78.64	0.0975	ND	0.49
Arochlor 1248	5	78.64	0.0390	ND	0.49
Arochlor 1254	5	78.64	0.0244	ND	0.49
Arochlor 1260	5	78.64	0.0219	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000471

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4140.10
	DPW. SELFM-PW-EV	Date Rec'd:	12/14/98
	Bldg. 173	Extraction Date:	12/17/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/7/99
Analysis:	SW-846 Method 8081/8082	Location :	CW-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	28

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	92.29	0.0015	ND	NLE
beta-BHC	5	92.29	0.0015	ND	NLE
gamma-BHC	5	92.29	0.0021	ND	0.52
delta-BHC	5	92.29	0.0021	ND	NLE
Heptachlor	5	92.29	0.0015	ND	0.15
Aldrin	5	92.29	0.0021	ND	0.04
Heptachlor Epoxide	5	92.29	0.0031	ND	NLE
Endosulfan I	5	92.29	0.0026	ND	NLE
4,4'-DDE	5	92.29	0.0021	ND	2
Dieldrin	5	92.29	0.0026	ND	0.042
Endrin	5	92.29	0.0026	ND	17
Endosulfan II	5	92.29	0.0021	ND	NLE
4,4'-DDD	5	92.29	0.0031	ND	3
Endrin Aldehyde	5	92.29	0.0026	ND	NLE
4,4'-DDT	5	92.29	0.0056	0.007	2
Endosulfan-Sulfate	5	92.29	0.0021	ND	NLE
gamma -Chlordane	5	92.29	0.0026	ND	NLE
alpha-Chlordane	5	92.29	0.0026	ND	NLE
Toxaphene	5	92.29	0.0015	ND	0.1
Arochlor 1016	5	92.29	0.0574	ND	0.49
Arochlor 1221	5	92.29	0.1056	ND	0.49
Arochlor 1232	5	92.29	0.0718	ND	0.49
Arochlor 1242	5	92.29	0.0820	ND	0.49
Arochlor 1248	5	92.29	0.0328	ND	0.49
Arochlor 1254	5	92.29	0.0205	ND	0.49
Arochlor 1260	5	92.29	0.0185	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000472

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4140.12
	DPW. SELFM-PW-EV	Date Rec'd:	12/14/98
	Bldg. 173	Extraction Date:	12/17/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/7/99
Analysis:	SW-846 Method 8081/8082	Location :	CW-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	29

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	91.54	0.0016	ND	NLE
beta-BHC	5	91.54	0.0016	ND	NLE
gamma-BHC	5	91.54	0.0021	ND	0.52
delta-BHC	5	91.54	0.0021	ND	NLE
Heptachlor	5	91.54	0.0016	ND	0.15
Aldrin	5	91.54	0.0021	ND	0.04
Heptachlor Epoxide	5	91.54	0.0032	ND	NLE
Endosulfan I	5	91.54	0.0027	ND	NLE
4,4'-DDE	5	91.54	0.0021	0.004	2
Dieldrin	5	91.54	0.0027	ND	0.042
Endrin	5	91.54	0.0027	ND	17
Endosulfan II	5	91.54	0.0021	ND	NLE
4,4'-DDD	5	91.54	0.0032	ND	3
Endrin Aldehyde	5	91.54	0.0027	ND	NLE
4,4'-DDT	5	91.54	0.0059	0.007	2
Endosulfan-Sulfate	5	91.54	0.0021	ND	NLE
gamma -Chlordane	5	91.54	0.0027	ND	NLE
alpha-Chlordane	5	91.54	0.0027	ND	NLE
Toxaphene	5	91.54	0.0016	ND	0.1
Arochlor 1016	5	91.54	0.0596	ND	0.49
Arochlor 1221	5	91.54	0.1096	ND	0.49
Arochlor 1232	5	91.54	0.0745	ND	0.49
Arochlor 1242	5	91.54	0.0851	ND	0.49
Arochlor 1248	5	91.54	0.0340	ND	0.49
Arochlor 1254	5	91.54	0.0213	ND	0.49
Arochlor 1260	5	91.54	0.0191	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

000473

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4140.14
	DPW. SELFM-PW-EV	Date Rec'd:	12/14/98
	Bldg. 173	Extraction Date:	12/17/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/8/99
Analysis:	SW-846 Method 8081/8082	Location :	CW-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	30

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	91.26	0.0017	ND	NLE
beta-BHC	5	91.26	0.0017	ND	NLE
gamma-BHC	5	91.26	0.0022	ND	0.52
delta-BHC	5	91.26	0.0022	ND	NLE
Heptachlor	5	91.26	0.0017	ND	0.15
Aldrin	5	91.26	0.0022	ND	0.04
Heptachlor Epoxide	5	91.26	0.0033	ND	NLE
Endosulfan I	5	91.26	0.0028	ND	NLE
4,4'-DDE	5	91.26	0.0022	ND	2
Dieldrin	5	91.26	0.0028	ND	0.042
Endrin	5	91.26	0.0028	ND	17
Endosulfan II	5	91.26	0.0022	ND	NLE
4,4'-DDD	5	91.26	0.0033	ND	3
Endrin Aldehyde	5	91.26	0.0028	ND	NLE
4,4'-DDT	5	91.26	0.0061	ND	2
Endosulfan-Sulfate	5	91.26	0.0022	ND	NLE
gamma -Chlordane	5	91.26	0.0028	ND	NLE
alpha-Chlordane	5	91.26	0.0028	ND	NLE
Toxaphene	5	91.26	0.0017	ND	0.1
Arochlor 1016	5	91.26	0.0617	ND	0.49
Arochlor 1221	5	91.26	0.1134	ND	0.49
Arochlor 1232	5	91.26	0.0771	ND	0.49
Arochlor 1242	5	91.26	0.0881	ND	0.49
Arochlor 1248	5	91.26	0.0352	ND	0.49
Arochlor 1254	5	91.26	0.0220	ND	0.49
Arochlor 1260	5	91.26	0.0198	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000474

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4140.16
	DPW. SELFM-PW-EV	Date Rec'd:	12/14/98
	Bldg. 173	Extraction Date:	12/17/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/8/99
Analysis:	SW-846 Method 8081/8082	Location :	CW-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	31

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	90.17	0.0017	ND	NLE
beta-BHC	5	90.17	0.0017	ND	NLE
gamma-BHC	5	90.17	0.0023	ND	0.52
delta-BHC	5	90.17	0.0023	ND	NLE
Heptachlor	5	90.17	0.0017	ND	0.15
Aldrin	5	90.17	0.0023	ND	0.04
Heptachlor Epoxide	5	90.17	0.0034	ND	NLE
Endosulfan I	5	90.17	0.0028	ND	NLE
4,4'-DDE	5	90.17	0.0023	ND	2
Dieldrin	5	90.17	0.0028	ND	0.042
Endrin	5	90.17	0.0028	ND	17
Endosulfan II	5	90.17	0.0023	ND	NLE
4,4'-DDD	5	90.17	0.0034	ND	3
Endrin Aldehyde	5	90.17	0.0028	ND	NLE
4,4'-DDT	5	90.17	0.0062	ND	2
Endosulfan-Sulfate	5	90.17	0.0023	ND	NLE
gamma -Chlordane	5	90.17	0.0028	ND	NLE
alpha-Chlordane	5	90.17	0.0028	ND	NLE
Toxaphene	5	90.17	0.0017	ND	0.1
Arochlor 1016	5	90.17	0.0632	ND	0.49
Arochlor 1221	5	90.17	0.1163	ND	0.49
Arochlor 1232	5	90.17	0.0791	ND	0.49
Arochlor 1242	5	90.17	0.0903	ND	0.49
Arochlor 1248	5	90.17	0.0361	ND	0.49
Arochlor 1254	5	90.17	0.0226	ND	0.49
Arochlor 1260	5	90.17	0.0203	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

000475

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4140.18
	DPW. SELFM-PW-EV	Date Rec'd:	12/14/98
	Bldg. 173	Extraction Date:	12/17/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/8/99
Analysis:	SW-846 Method 8081/8082	Location :	CW-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	32

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	88.94	0.0016	ND	NLE
beta-BHC	5	88.94	0.0016	ND	NLE
gamma-BHC	5	88.94	0.0022	ND	0.52
delta-BHC	5	88.94	0.0022	ND	NLE
Heptachlor	5	88.94	0.0016	ND	0.15
Aldrin	5	88.94	0.0022	ND	0.04
Heptachlor Epoxide	5	88.94	0.0032	ND	NLE
Endosulfan I	5	88.94	0.0027	ND	NLE
4,4'-DDE	5	88.94	0.0022	0.028	2
Dieldrin	5	88.94	0.0027	ND	0.042
Endrin	5	88.94	0.0027	ND	17
Endosulfan II	5	88.94	0.0022	ND	NLE
4,4'-DDD	5	88.94	0.0032	0.010	3
Endrin Aldehyde	5	88.94	0.0027	ND	NLE
4,4'-DDT	5	88.94	0.0059	0.026	2
Endosulfan-Sulfate	5	88.94	0.0022	ND	NLE
gamma -Chlordane	5	88.94	0.0027	ND	NLE
alpha-Chlordane	5	88.94	0.0027	ND	NLE
Toxaphene	5	88.94	0.0016	ND	0.1
Arochlor 1016	5	88.94	0.0605	ND	0.49
Arochlor 1221	5	88.94	0.1112	ND	0.49
Arochlor 1232	5	88.94	0.0756	ND	0.49
Arochlor 1242	5	88.94	0.0864	ND	0.49
Arochlor 1248	5	88.94	0.0346	ND	0.49
Arochlor 1254	5	88.94	0.0216	ND	0.49
Arochlor 1260	5	88.94	0.0194	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

000478

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4140.20
	DPW. SELFM-PW-EV	Date Rec'd:	12/14/98
	Bldg. 173	Extraction Date:	12/17/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/8/99
Analysis:	SW-846 Method 8081/8082	Location :	CW-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	33

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	88.53	0.0016	ND	NLE
beta-BHC	5	88.53	0.0016	ND	NLE
gamma-BHC	5	88.53	0.0022	ND	0.52
delta-BHC	5	88.53	0.0022	ND	NLE
Heptachlor	5	88.53	0.0016	ND	0.15
Aldrin	5	88.53	0.0022	ND	0.04
Heptachlor Epoxide	5	88.53	0.0032	ND	NLE
Endosulfan I	5	88.53	0.0027	ND	NLE
4,4'-DDE	5	88.53	0.0022	0.041	2
Dieldrin	5	88.53	0.0027	0.006	0.042
Endrin	5	88.53	0.0027	ND	17
Endosulfan II	5	88.53	0.0022	ND	NLE
4,4'-DDD	5	88.53	0.0032	0.017	3
Endrin Aldehyde	5	88.53	0.0027	ND	NLE
4,4'-DDT	5	88.53	0.0059	0.079	2
Endosulfan-Sulfate	5	88.53	0.0022	ND	NLE
gamma -Chlordane	5	88.53	0.0027	ND	NLE
alpha-Chlordane	5	88.53	0.0027	ND	NLE
Toxaphene	5	88.53	0.0016	ND	0.1
Arochlor 1016	5	88.53	0.0603	ND	0.49
Arochlor 1221	5	88.53	0.1109	ND	0.49
Arochlor 1232	5	88.53	0.0754	ND	0.49
Arochlor 1242	5	88.53	0.0861	ND	0.49
Arochlor 1248	5	88.53	0.0345	ND	0.49
Arochlor 1254	5	88.53	0.0215	ND	0.49
Arochlor 1260	5	88.53	0.0194	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

000477

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4140.22
	DPW. SELFM-PW-EV	Date Rec'd:	12/14/98
	Bldg. 173	Extraction Date:	12/17/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/8/99
Analysis:	SW-846 Method 8081/8082	Location :	CW-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	34

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	91.49	0.0015	ND	NLE
beta-BHC	5	91.49	0.0015	ND	NLE
gamma-BHC	5	91.49	0.0020	ND	0.52
delta-BHC	5	91.49	0.0020	ND	NLE
Heptachlor	5	91.49	0.0015	ND	0.15
Aldrin	5	91.49	0.0020	ND	0.04
Heptachlor Epoxide	5	91.49	0.0030	ND	NLE
Endosulfan I	5	91.49	0.0025	ND	NLE
4,4'-DDE	5	91.49	0.0020	0.009	2
Dieldrin	5	91.49	0.0025	ND	0.042
Endrin	5	91.49	0.0025	ND	17
Endosulfan II	5	91.49	0.0020	ND	NLE
4,4'-DDD	5	91.49	0.0030	ND	3
Endrin Aldehyde	5	91.49	0.0025	ND	NLE
4,4'-DDT	5	91.49	0.0055	0.016	2
Endosulfan-Sulfate	5	91.49	0.0020	ND	NLE
gamma -Chlordane	5	91.49	0.0025	ND	NLE
alpha-Chlordane	5	91.49	0.0025	ND	NLE
Toxaphene	5	91.49	0.0015	ND	0.1
Arochlor 1016	5	91.49	0.0562	ND	0.49
Arochlor 1221	5	91.49	0.1034	ND	0.49
Arochlor 1232	5	91.49	0.0703	ND	0.49
Arochlor 1242	5	91.49	0.0803	ND	0.49
Arochlor 1248	5	91.49	0.0321	ND	0.49
Arochlor 1254	5	91.49	0.0201	ND	0.49
Arochlor 1260	5	91.49	0.0181	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

000478

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4140.24
	DPW. SELF-M-PW-EV	Date Rec'd:	12/14/98
	Bldg. 173	Extraction Date:	12/21/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/12/99
Analysis:	SW-846 Method 8081/8082	Location :	CW-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	35

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	91.95	0.0017	ND	NLE
beta-BHC	5	91.95	0.0017	ND	NLE
gamma-BHC	5	91.95	0.0022	ND	0.52
delta-BHC	5	91.95	0.0022	ND	NLE
Heptachlor	5	91.95	0.0017	ND	0.15
Aldrin	5	91.95	0.0022	ND	0.04
Heptachlor Epoxide	5	91.95	0.0033	ND	NLE
Endosulfan I	5	91.95	0.0028	ND	NLE
4,4'-DDE	5	91.95	0.0022	0.014	2
Dieldrin	5	91.95	0.0028	ND	0.042
Endrin	5	91.95	0.0028	ND	17
Endosulfan II	5	91.95	0.0022	ND	NLE
4,4'-DDD	5	91.95	0.0033	ND	3
Endrin Aldehyde	5	91.95	0.0028	ND	NLE
4,4'-DDT	5	91.95	0.0061	0.027	2
Endosulfan-Sulfate	5	91.95	0.0022	ND	NLE
gamma -Chlordane	5	91.95	0.0028	ND	NLE
alpha-Chlordane	5	91.95	0.0028	ND	NLE
Toxaphene	5	91.95	0.0017	ND	0.1
Arochlor 1016	5	91.95	0.0625	ND	0.49
Arochlor 1221	5	91.95	0.1149	ND	0.49
Arochlor 1232	5	91.95	0.0781	ND	0.49
Arochlor 1242	5	91.95	0.0892	ND	0.49
Arochlor 1248	5	91.95	0.0357	ND	0.49
Arochlor 1254	5	91.95	0.0223	ND	0.49
Arochlor 1260	5	91.95	0.0201	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

000473

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4140.26
	DPW. SELFM-PW-EV	Date Rec'd:	12/14/98
	Bldg. 173	Extraction Date:	12/18/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/8/99
Analysis:	SW-846 Method 8081/8082	Location :	CW-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	36

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	93.71	0.0016	ND	NLE
beta-BHC	5	93.71	0.0016	ND	NLE
gamma-BHC	5	93.71	0.0022	ND	0.52
delta-BHC	5	93.71	0.0022	ND	NLE
Heptachlor	5	93.71	0.0016	ND	0.15
Aldrin	5	93.71	0.0022	ND	0.04
Heptachlor Epoxide	5	93.71	0.0033	ND	NLE
Endosulfan I	5	93.71	0.0027	ND	NLE
4,4'-DDE	5	93.71	0.0022	0.057	2
Dieldrin	5	93.71	0.0027	0.032	0.042
Endrin	5	93.71	0.0027	ND	17
Endosulfan II	5	93.71	0.0022	ND	NLE
4,4'-DDD	5	93.71	0.0033	0.017	3
Endrin Aldehyde	5	93.71	0.0027	0.025	NLE
4,4'-DDT	5	93.71	0.0060	0.071	2
Endosulfan-Sulfate	5	93.71	0.0022	ND	NLE
gamma -Chlordane	5	93.71	0.0027	ND	NLE
alpha-Chlordane	5	93.71	0.0027	ND	NLE
Toxaphene	5	93.71	0.0016	ND	0.1
Arochlor 1016	1	93.71	0.0121	ND	0.49
Arochlor 1221	1	93.71	0.0223	ND	0.49
Arochlor 1232	1	93.71	0.0152	ND	0.49
Arochlor 1242	1	93.71	0.0173	ND	0.49
Arochlor 1248	1	93.71	0.0069	ND	0.49
Arochlor 1254	1	93.71	0.0043	ND	0.49
Arochlor 1260	1	93.71	0.0039	0.253	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000480

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4140.28
	DPW. SELFM-PW-EV	Date Rec'd:	12/14/98
	Bldg. 173	Extraction Date:	12/18/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/12/99
Analysis:	SW-846 Method 8081/8082	Location :	CW-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	37

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	91.44	0.0016	ND	NLE
beta-BHC	5	91.44	0.0016	ND	NLE
gamma-BHC	5	91.44	0.0021	ND	0.52
delta-BHC	5	91.44	0.0021	ND	NLE
Heptachlor	5	91.44	0.0016	ND	0.15
Aldrin	5	91.44	0.0021	ND	0.04
Heptachlor Epoxide	5	91.44	0.0032	ND	NLE
Endosulfan I	5	91.44	0.0027	ND	NLE
4,4'-DDE	5	91.44	0.0021	0.030	2
Dieldrin	5	91.44	0.0027	ND	0.042
Endrin	5	91.44	0.0027	ND	17
Endosulfan II	5	91.44	0.0021	ND	NLE
4,4'-DDD	5	91.44	0.0032	0.044	3
Endrin Aldehyde	5	91.44	0.0027	ND	NLE
4,4'-DDT	5	91.44	0.0059	0.143	2
Endosulfan-Sulfate	5	91.44	0.0021	ND	NLE
gamma -Chlordane	5	91.44	0.0027	ND	NLE
alpha-Chlordane	5	91.44	0.0027	ND	NLE
Toxaphene	5	91.44	0.0016	ND	0.1
Arochlor 1016	5	91.44	0.0600	ND	0.49
Arochlor 1221	5	91.44	0.1104	ND	0.49
Arochlor 1232	5	91.44	0.0751	ND	0.49
Arochlor 1242	5	91.44	0.0858	ND	0.49
Arochlor 1248	5	91.44	0.0343	ND	0.49
Arochlor 1254	5	91.44	0.0214	ND	0.49
Arochlor 1260	5	91.44	0.0193	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000481

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4140.30
	DPW. SELFM-PW-EV	Date Rec'd:	12/14/98
	Bldg. 173	Extraction Date:	12/18/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/12/99
Analysis:	SW-846 Method 8081/8082	Location :	CW-3A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	38

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	92.71	0.0014	ND	NLE
beta-BHC	5	92.71	0.0014	ND	NLE
gamma-BHC	5	92.71	0.0019	ND	0.52
delta-BHC	5	92.71	0.0019	ND	NLE
Heptachlor	5	92.71	0.0014	ND	0.15
Aldrin	5	92.71	0.0019	ND	0.04
Heptachlor Epoxide	5	92.71	0.0029	ND	NLE
Endosulfan I	5	92.71	0.0024	ND	NLE
4,4'-DDE	5	92.71	0.0019	0.031	2
Dieldrin	5	92.71	0.0024	0.024	0.042
Endrin	5	92.71	0.0024	ND	17
Endosulfan II	5	92.71	0.0019	ND	NLE
4,4'-DDD	5	92.71	0.0029	ND	3
Endrin Aldehyde	5	92.71	0.0024	ND	NLE
4,4'-DDT	5	92.71	0.0053	0.041	2
Endosulfan-Sulfate	5	92.71	0.0019	ND	NLE
gamma -Chlordane	5	92.71	0.0024	ND	NLE
alpha-Chlordane	5	92.71	0.0024	ND	NLE
Toxaphene	5	92.71	0.0014	ND	0.1
Arochlor 1016	5	92.71	0.0536	ND	0.49
Arochlor 1221	1	92.71	0.0197	ND	0.49
Arochlor 1232	1	92.71	0.0134	ND	0.49
Arochlor 1242	1	92.71	0.0153	ND	0.49
Arochlor 1248	1	92.71	0.0061	ND	0.49
Arochlor 1254	1	92.71	0.0038	0.467	0.49
Arochlor 1260	1	92.71	0.0034	ND	0.49

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

Column-Primary:

Column-Confirmation:

RTX-CLPesticide 30m/.32mmID/.25u

RTX-CLPesticide2 30m/.32mmID/.25u

000482

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4141.02
	DPW. SELFM-PW-EV	Date Rec'd:	12/15/98
	Bldg. 173	Extraction Date:	12/18/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/12/99
Analysis:	SW-846 Method 8081/8082	Location :	CW3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	39

	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	91.92	0.0016	ND	NLE
beta-BHC	5	91.92	0.0016	ND	NLE
gamma-BHC	5	91.92	0.0022	ND	0.52
delta-BHC	5	91.92	0.0022	ND	NLE
Heptachlor	5	91.92	0.0016	ND	0.15
Aldrin	5	91.92	0.0022	ND	0.04
Heptachlor Epoxide	5	91.92	0.0032	ND	NLE
Endosulfan I	5	91.92	0.0027	ND	NLE
4,4'-DDE	5	91.92	0.0022	ND	2
Dieldrin	5	91.92	0.0027	ND	0.042
Endrin	5	91.92	0.0027	ND	17
Endosulfan II	5	91.92	0.0022	ND	NLE
4,4'-DDD	5	91.92	0.0032	ND	3
Endrin Aldehyde	5	91.92	0.0027	ND	NLE
4,4'-DDT	5	91.92	0.0059	ND	2
Endosulfan-Sulfate	5	91.92	0.0022	ND	NLE
gamma -Chlordane	5	91.92	0.0027	ND	NLE
alpha-Chlordane	5	91.92	0.0027	ND	NLE
Toxaphene	5	91.92	0.0016	ND	0.1
Arochlor 1016	5	91.92	0.0606	ND	0.49
Arochlor 1221	5	91.92	0.1114	ND	0.49
Arochlor 1232	5	91.92	0.0757	ND	0.49
Arochlor 1242	5	91.92	0.0865	ND	0.49
Arochlor 1248	5	91.92	0.0346	ND	0.49
Arochlor 1254	5	91.92	0.0216	ND	0.49
Arochlor 1260	5	91.92	0.0195	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

000433

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4141.04
	DPW. SELFM-PW-EV	Date Rec'd:	12/15/98
	Bldg. 173	Extraction Date:	12/18/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/12/99
Analysis:	SW-846 Method 8081/8082	Location :	CW3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	40

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	89.30	0.0018	ND	NLE
beta-BHC	5	89.30	0.0018	ND	NLE
gamma-BHC	5	89.30	0.0024	ND	0.52
delta-BHC	5	89.30	0.0024	ND	NLE
Heptachlor	5	89.30	0.0018	ND	0.15
Aldrin	5	89.30	0.0024	ND	0.04
Heptachlor Epoxide	5	89.30	0.0036	ND	NLE
Endosulfan I	5	89.30	0.0030	ND	NLE
4,4'-DDE	5	89.30	0.0024	ND	2
Dieldrin	5	89.30	0.0030	ND	0.042
Endrin	5	89.30	0.0030	ND	17
Endosulfan II	5	89.30	0.0024	ND	NLE
4,4'-DDD	5	89.30	0.0036	ND	3
Endrin Aldehyde	5	89.30	0.0030	ND	NLE
4,4'-DDT	5	89.30	0.0065	ND	2
Endosulfan-Sulfate	5	89.30	0.0024	ND	NLE
gamma -Chlordane	5	89.30	0.0030	ND	NLE
alpha-Chlordane	5	89.30	0.0030	ND	NLE
Toxaphene	5	89.30	0.0018	ND	0.1
Arochlor 1016	5	89.30	0.0666	ND	0.49
Arochlor 1221	5	89.30	0.1224	ND	0.49
Arochlor 1232	5	89.30	0.0832	ND	0.49
Arochlor 1242	5	89.30	0.0951	ND	0.49
Arochlor 1248	5	89.30	0.0380	ND	0.49
Arochlor 1254	5	89.30	0.0238	ND	0.49
Arochlor 1260	5	89.30	0.0214	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4141.06
	DPW. SELFM-PW-EV	Date Rec'd:	12/15/98
	Bldg. 173	Extraction Date:	12/18/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/12/99
Analysis:	SW-846 Method 8081/8082	Location :	CW3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	41

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	91.20	0.0016	ND	NLE
beta-BHC	5	91.20	0.0016	ND	NLE
gamma-BHC	5	91.20	0.0022	ND	0.52
delta-BHC	5	91.20	0.0022	ND	NLE
Heptachlor	5	91.20	0.0016	ND	0.15
Aldrin	5	91.20	0.0022	ND	0.04
Heptachlor Epoxide	5	91.20	0.0033	ND	NLE
Endosulfan I	5	91.20	0.0027	ND	NLE
4,4'-DDE	5	91.20	0.0022	ND	2
Dieldrin	5	91.20	0.0027	ND	0.042
Endrin	5	91.20	0.0027	ND	17
Endosulfan II	5	91.20	0.0022	ND	NLE
4,4'-DDD	5	91.20	0.0033	ND	3
Endrin Aldehyde	5	91.20	0.0027	ND	NLE
4,4'-DDT	5	91.20	0.0060	ND	2
Endosulfan-Sulfate	5	91.20	0.0022	ND	NLE
gamma -Chlordane	5	91.20	0.0027	ND	NLE
alpha-Chlordane	5	91.20	0.0027	ND	NLE
Toxaphene	5	91.20	0.0016	ND	0.1
Arochlor 1016	5	91.20	0.0612	ND	0.49
Arochlor 1221	5	91.20	0.1125	ND	0.49
Arochlor 1232	5	91.20	0.0764	ND	0.49
Arochlor 1242	5	91.20	0.0874	ND	0.49
Arochlor 1248	5	91.20	0.0349	ND	0.49
Arochlor 1254	5	91.20	0.0218	ND	0.49
Arochlor 1260	5	91.20	0.0197	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

000485

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4141.08
	DPW. SELFM-PW-EV	Date Rec'd:	12/15/98
	Bldg. 173	Extraction Date:	12/18/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/12/99
Analysis:	SW-846 Method 8081/8082	Location :	CW3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	42

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	90.76	0.0016	ND	NLE
beta-BHC	5	90.76	0.0016	ND	NLE
gamma-BHC	5	90.76	0.0021	ND	0.52
delta-BHC	5	90.76	0.0021	ND	NLE
Heptachlor	5	90.76	0.0016	ND	0.15
Aldrin	5	90.76	0.0021	ND	0.04
Heptachlor Epoxide	5	90.76	0.0032	ND	NLE
Endosulfan I	5	90.76	0.0027	ND	NLE
4,4'-DDE	5	90.76	0.0021	ND	2
Dieldrin	5	90.76	0.0027	ND	0.042
Endrin	5	90.76	0.0027	ND	17
Endosulfan II	5	90.76	0.0021	ND	NLE
4,4'-DDD	5	90.76	0.0032	ND	3
Endrin Aldehyde	5	90.76	0.0027	ND	NLE
4,4'-DDT	5	90.76	0.0058	ND	2
Endosulfan-Sulfate	5	90.76	0.0021	ND	NLE
gamma -Chlordane	5	90.76	0.0027	ND	NLE
alpha-Chlordane	5	90.76	0.0027	ND	NLE
Toxaphene	5	90.76	0.0016	ND	0.1
Arochlor 1016	5	90.76	0.0594	ND	0.49
Arochlor 1221	5	90.76	0.1093	ND	0.49
Arochlor 1232	5	90.76	0.0743	ND	0.49
Arochlor 1242	5	90.76	0.0849	ND	0.49
Arochlor 1248	5	90.76	0.0340	ND	0.49
Arochlor 1254	5	90.76	0.0212	ND	0.49
Arochlor 1260	5	90.76	0.0191	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

000436

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4141.10
	DPW. SELFM-PW-EV	Date Rec'd:	12/15/98
	Bldg. 173	Extraction Date:	12/18/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/12/99
Analysis:	SW-846 Method 8081/8082	Location :	CW3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	43

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	82.37	0.0018	ND	NLE
beta-BHC	5	82.37	0.0018	ND	NLE
gamma-BHC	5	82.37	0.0024	ND	0.52
delta-BHC	5	82.37	0.0024	ND	NLE
Heptachlor	5	82.37	0.0018	ND	0.15
Aldrin	5	82.37	0.0024	ND	0.04
Heptachlor Epoxide	5	82.37	0.0036	ND	NLE
Endosulfan I	5	82.37	0.0030	ND	NLE
4,4'-DDE	5	82.37	0.0024	ND	2
Dieldrin	5	82.37	0.0030	ND	0.042
Endrin	5	82.37	0.0030	ND	17
Endosulfan II	5	82.37	0.0024	ND	NLE
4,4'-DDD	5	82.37	0.0036	ND	3
Endrin Aldehyde	5	82.37	0.0030	ND	NLE
4,4'-DDT	5	82.37	0.0066	ND	2
Endosulfan-Sulfate	5	82.37	0.0024	ND	NLE
gamma -Chlordane	5	82.37	0.0030	ND	NLE
alpha-Chlordane	5	82.37	0.0030	ND	NLE
Toxaphene	5	82.37	0.0018	ND	0.1
Arochlor 1016	5	82.37	0.0670	ND	0.49
Arochlor 1221	5	82.37	0.1232	ND	0.49
Arochlor 1232	5	82.37	0.0837	ND	0.49
Arochlor 1242	5	82.37	0.0957	ND	0.49
Arochlor 1248	5	82.37	0.0383	ND	0.49
Arochlor 1254	5	82.37	0.0239	ND	0.49
Arochlor 1260	5	82.37	0.0215	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4141.12
	DPW. SELFM-PW-EV	Date Rec'd:	12/15/98
	Bldg. 173	Extraction Date:	12/18/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/13/99
Analysis:	SW-846 Method 8081/8082	Location :	CW3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	44

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	86.64	0.0017	ND	NLE
beta-BHC	5	86.64	0.0017	ND	NLE
gamma-BHC	5	86.64	0.0023	ND	0.52
delta-BHC	5	86.64	0.0023	ND	NLE
Heptachlor	5	86.64	0.0017	0.109	0.15
Aldrin	5	86.64	0.0023	ND	0.04
Heptachlor Epoxide	5	86.64	0.0034	ND	NLE
Endosulfan I	5	86.64	0.0029	ND	NLE
4,4'-DDE	5	86.64	0.0023	ND	2
Dieldrin	5	86.64	0.0029	ND	0.042
Endrin	5	86.64	0.0029	ND	17
Endosulfan II	5	86.64	0.0023	ND	NLE
4,4'-DDD	5	86.64	0.0034	ND	3
Endrin Aldehyde	5	86.64	0.0029	ND	NLE
4,4'-DDT	5	86.64	0.0063	ND	2
Endosulfan-Sulfate	5	86.64	0.0023	ND	NLE
gamma -Chlordane	5	86.64	0.0029	ND	NLE
alpha-Chlordane	5	86.64	0.0029	ND	NLE
Toxaphene	5	86.64	0.0017	ND	0.1
Arochlor 1016	5	86.64	0.0639	ND	0.49
Arochlor 1221	5	86.64	0.1175	ND	0.49
Arochlor 1232	5	86.64	0.0798	ND	0.49
Arochlor 1242	5	86.64	0.0912	ND	0.49
Arochlor 1248	5	86.64	0.0365	ND	0.49
Arochlor 1254	5	86.64	0.0228	ND	0.49
Arochlor 1260	5	86.64	0.0205	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

000438

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4141.14
	DPW. SELFM-PW-EV	Date Rec'd:	12/15/98
	Bldg. 173	Extraction Date:	12/18/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/13/99
Analysis:	SW-846 Method 8081/8082	Location :	CW3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	45

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	90.51	0.0016	ND	NLE
beta-BHC	5	90.51	0.0016	ND	NLE
gamma-BHC	5	90.51	0.0021	ND	0.52
delta-BHC	5	90.51	0.0021	ND	NLE
Heptachlor	5	90.51	0.0016	ND	0.15
Aldrin	5	90.51	0.0021	ND	0.04
Heptachlor Epoxide	5	90.51	0.0031	ND	NLE
Endosulfan I	5	90.51	0.0026	ND	NLE
4,4'-DDE	5	90.51	0.0021	0.024	2
Dieldrin	5	90.51	0.0026	ND	0.042
Endrin	5	90.51	0.0026	ND	17
Endosulfan II	5	90.51	0.0021	ND	NLE
4,4'-DDD	5	90.51	0.0031	ND	3
Endrin Aldehyde	5	90.51	0.0026	ND	NLE
4,4'-DDT	5	90.51	0.0057	0.060	2
Endosulfan-Sulfate	5	90.51	0.0021	ND	NLE
gamma -Chlordane	5	90.51	0.0026	ND	NLE
alpha-Chlordane	5	90.51	0.0026	ND	NLE
Toxaphene	5	90.51	0.0016	ND	0.1
Arochlor 1016	5	90.51	0.0579	ND	0.49
Arochlor 1221	5	90.51	0.1065	ND	0.49
Arochlor 1232	5	90.51	0.0723	ND	0.49
Arochlor 1242	5	90.51	0.0827	ND	0.49
Arochlor 1248	5	90.51	0.0331	ND	0.49
Arochlor 1254	5	90.51	0.0207	ND	0.49
Arochlor 1260	5	90.51	0.0186	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

000439

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4141.16
	DPW. SELFM-PW-EV	Date Rec'd:	12/15/98
	Bldg. 173	Extraction Date:	12/18/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/13/99
Analysis:	SW-846 Method 8081/8082	Location :	CW3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	46

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	90.07	0.0016	ND	NLE
beta-BHC	5	90.07	0.0016	ND	NLE
gamma-BHC	5	90.07	0.0022	ND	0.52
delta-BHC	5	90.07	0.0022	ND	NLE
Heptachlor	5	90.07	0.0016	ND	0.15
Aldrin	5	90.07	0.0022	ND	0.04
Heptachlor Epoxide	5	90.07	0.0033	ND	NLE
Endosulfan I	5	90.07	0.0027	ND	NLE
4,4'-DDE	5	90.07	0.0022	0.007	2
Dieldrin	5	90.07	0.0027	ND	0.042
Endrin	5	90.07	0.0027	ND	17
Endosulfan II	5	90.07	0.0022	ND	NLE
4,4'-DDD	5	90.07	0.0033	ND	3
Endrin Aldehyde	5	90.07	0.0027	ND	NLE
4,4'-DDT	5	90.07	0.0060	0.015	2
Endosulfan-Sulfate	5	90.07	0.0022	ND	NLE
gamma -Chlordane	5	90.07	0.0027	ND	NLE
alpha-Chlordane	5	90.07	0.0027	ND	NLE
Toxaphene	5	90.07	0.0016	ND	0.1
Arochlor 1016	5	90.07	0.0616	ND	0.49
Arochlor 1221	5	90.07	0.1132	ND	0.49
Arochlor 1232	5	90.07	0.0769	ND	0.49
Arochlor 1242	5	90.07	0.0879	ND	0.49
Arochlor 1248	5	90.07	0.0352	ND	0.49
Arochlor 1254	5	90.07	0.0220	ND	0.49
Arochlor 1260	5	90.07	0.0198	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

000430

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4141.18
	DPW. SELFM-PW-EV	Date Rec'd:	12/15/98
	Bldg. 173	Extraction Date:	12/18/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/13/99
Analysis:	SW-846 Method 8081/8082	Location :	CW3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	47

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	92.17	0.0016	ND	NLE
beta-BHC	5	92.17	0.0016	ND	NLE
gamma-BHC	5	92.17	0.0021	ND	0.52
delta-BHC	5	92.17	0.0021	ND	NLE
Heptachlor	5	92.17	0.0016	ND	0.15
Aldrin	5	92.17	0.0021	ND	0.04
Heptachlor Epoxide	5	92.17	0.0032	ND	NLE
Endosulfan I	5	92.17	0.0027	ND	NLE
4,4'-DDE	5	92.17	0.0021	ND	2
Dieldrin	5	92.17	0.0027	ND	0.042
Endrin	5	92.17	0.0027	ND	17
Endosulfan II	5	92.17	0.0021	ND	NLE
4,4'-DDD	5	92.17	0.0032	ND	3
Endrin Aldehyde	5	92.17	0.0027	ND	NLE
4,4'-DDT	5	92.17	0.0059	ND	2
Endosulfan-Sulfate	5	92.17	0.0021	ND	NLE
gamma -Chlordane	5	92.17	0.0027	ND	NLE
alpha-Chlordane	5	92.17	0.0027	ND	NLE
Toxaphene	5	92.17	0.0016	ND	0.1
Arochlor 1016	5	92.17	0.0597	ND	0.49
Arochlor 1221	5	92.17	0.1099	ND	0.49
Arochlor 1232	5	92.17	0.0747	ND	0.49
Arochlor 1242	5	92.17	0.0853	ND	0.49
Arochlor 1248	5	92.17	0.0341	ND	0.49
Arochlor 1254	5	92.17	0.0213	ND	0.49
Arochlor 1260	5	92.17	0.0192	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

000491

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	Lab. ID # :	4141.20
	DPW. SELFM-PW-EV	Date Rec'd:	12/15/98
	Bldg. 173	Extraction Date:	12/18/98
	Ft. Monmouth, NJ 07703	Analysis Date:	1/13/99
Analysis:	SW-846 Method 8081/8082	Location :	CW3-A
Matrix:	Soil		
Analyst:	D. Wright	Field ID:	48

Pesticide/PCB	Dilution Factor	% Solid	MDL (mg/kg)	Result (mg/kg)	Cleanup Criteria (mg/kg)
alpha-BHC	5	92.91	0.0015	ND	NLE
beta-BHC	5	92.91	0.0015	ND	NLE
gamma-BHC	5	92.91	0.0020	ND	0.52
delta-BHC	5	92.91	0.0020	ND	NLE
Heptachlor	5	92.91	0.0015	ND	0.15
Aldrin	5	92.91	0.0020	ND	0.04
Heptachlor Epoxide	5	92.91	0.0030	ND	NLE
Endosulfan I	5	92.91	0.0025	ND	NLE
4,4'-DDE	5	92.91	0.0020	ND	2
Dieldrin	5	92.91	0.0025	ND	0.042
Endrin	5	92.91	0.0025	ND	17
Endosulfan II	5	92.91	0.0020	ND	NLE
4,4'-DDD	5	92.91	0.0030	ND	3
Endrin Aldehyde	5	92.91	0.0025	ND	NLE
4,4'-DDT	5	92.91	0.0055	ND	2
Endosulfan-Sulfate	5	92.91	0.0020	ND	NLE
gamma -Chlordane	5	92.91	0.0025	ND	NLE
alpha-Chlordane	5	92.91	0.0025	ND	NLE
Toxaphene	5	92.91	0.0015	ND	0.1
Arochlor 1016	5	92.91	0.0565	ND	0.49
Arochlor 1221	5	92.91	0.1039	ND	0.49
Arochlor 1232	5	92.91	0.0706	ND	0.49
Arochlor 1242	5	92.91	0.0807	ND	0.49
Arochlor 1248	5	92.91	0.0323	ND	0.49
Arochlor 1254	5	92.91	0.0202	ND	0.49
Arochlor 1260	5	92.91	0.0182	ND	0.49

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: RTX-CLPesticide 30m/.32mmID/.25u
Column-Confirmation: RTX-CLPesticide2 30m/.32mmID/.25u

METHOD BLANKS

000494

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4140
Sample Prepared: 12/21/98

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (mg/L)

Element	Date of Analysis	Result	MDL
Aluminum	12/22/98	0.12	0.01
Antimony	12/22/98	0.004	0.002
Arsenic	12/22/98	ND	0.002
Barium	12/22/98	0.0026	0.0005
Beryllium	12/22/98	ND	0.0005
Cadmium	12/22/98	0.0011	0.0005
Calcium	12/22/98	0.48	0.02
Chromium	12/22/98	ND	0.0005
Cobalt	12/22/98	ND	0.0005
Copper	12/22/98	0.007	0.003
Iron	12/22/98	0.06	0.01
Lead	12/22/98	ND	0.002
Magnesium	12/22/98	0.21	0.02
Manganese	12/22/98	0.0012	0.0005
Mercury	12/18/98	ND	0.0001
Nickel	12/22/98	0.0027	0.0005
Potassium	12/22/98	0.17	0.02
Selenium	12/22/98	ND	0.002
Silver	12/22/98	ND	0.003
Sodium	12/22/98	0.30	0.02
Thallium	12/22/98	ND	0.003
Vanadium	12/22/98	ND	0.001
Zinc	12/22/98	0.019	0.001

ND = Not Detected, MDL = Method Detection Limit

000495

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4141
Sample Prepared: 12/21/98

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (mg/L)

Element	Date of Analysis	Result	MDL
Aluminum	12/22/98	0.12	0.01
Antimony	12/22/98	0.004	0.002
Arsenic	12/22/98	ND	0.002
Barium	12/22/98	0.0026	0.0005
Beryllium	12/22/98	ND	0.0005
Cadmium	12/22/98	0.0011	0.0005
Calcium	12/22/98	0.48	0.02
Chromium	12/22/98	ND	0.0005
Cobalt	12/22/98	ND	0.0005
Copper	12/22/98	0.007	0.003
Iron	12/22/98	0.06	0.01
Lead	12/22/98	ND	0.002
Magnesium	12/22/98	0.21	0.02
Manganese	12/22/98	0.0012	0.0005
Mercury	12/31/98	ND	0.0001
Nickel	12/22/98	0.0027	0.0005
Potassium	12/22/98	0.17	0.02
Selenium	12/22/98	ND	0.002
Silver	12/22/98	ND	0.003
Sodium	12/22/98	0.30	0.02
Thallium	12/22/98	ND	0.003
Vanadium	12/22/98	ND	0.001
Zinc	12/22/98	0.019	0.001

ND = Not Detected, MDL = Method Detection Limit

000496

FIELD DUPLICATES

000497

Report of Analysis

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification # 13461

Client: U.S. Army
 DPW, SELFM-PW-EV
 Bldg. 173
 Ft. Monmouth, NJ 07703

Lab ID #: 4128.32
 Sample Received: 12/09/98
 Sample Matrix: Soil

Site: CW-3A
 Ft. Monmouth, New Jersey

Field ID#: CW-3-Field Dup, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	8280	NLE	1.534
Antimony	12/22/98	ND	14	0.307
Arsenic	12/22/98	6.18	20	0.307
Barium	12/22/98	18.9	700	0.077
Beryllium	12/22/98	0.525	1	0.077
Cadmium	12/22/98	ND	1	0.077
Calcium	12/22/98	1420	NLE	3.068
Chromium	12/22/98	47.8	NLE	0.077
Cobalt	12/22/98	2.00	NLE	0.077
Copper	12/22/98	6.86	600	0.460
Iron	12/22/98	18400	NLE	1.534
Lead	12/22/98	16.0	100	0.307
Magnesium	12/22/98	1690	NLE	3.068
Manganese	12/22/98	50.4	NLE	0.077
Mercury	12/18/98	0.027	14	0.021
Nickel	12/22/98	5.18	250	0.077
Potassium	12/22/98	2760	NLE	3.068
Selenium	12/22/98	0.459	63	0.460
Silver	12/22/98	ND	110	0.460
Sodium	12/22/98	82.2	NLE	3.068
Thallium	12/22/98	ND	2	0.460
Vanadium	12/22/98	37.6	370	0.153
Zinc	12/22/98	34.2	1500	0.153

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000498

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4141.22
Sample Received: 12/15/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-Field Dup, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	6120	NLE	2.25
Antimony	12/22/98	ND	14	0.450
Arsenic	12/22/98	5.61	20	0.450
Barium	12/22/98	13.8	700	0.113
Beryllium	12/22/98	0.378	1	0.113
Cadmium	12/22/98	ND	1	0.113
Calcium	12/22/98	555	NLE	4.50
Chromium	12/22/98	37.6	NLE	0.113
Cobalt	12/22/98	1.69	NLE	0.113
Copper	12/22/98	6.10	600	0.675
Iron	12/22/98	14900	NLE	2.25
Lead	12/22/98	6.81	100	0.450
Magnesium	12/22/98	1040	NLE	4.50
Manganese	12/22/98	32.6	NLE	0.113
Mercury	12/31/98	0.063	14	0.022
Nickel	12/22/98	4.42	250	0.113
Potassium	12/22/98	1690	NLE	4.50
Selenium	12/22/98	ND	63	0.675
Silver	12/22/98	ND	110	0.675
Sodium	12/22/98	77.6	NLE	4.50
Thallium	12/22/98	ND	2	0.675
Vanadium	12/22/98	31.6	370	0.225
Zinc	12/22/98	27.6	1500	0.225

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000499

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 #: 4124.02
Sample Received: 12/8/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-1, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	3090	NLE	2.308
Antimony	12/22/98	1.08	14	0.462
Arsenic	12/22/98	2.76	20	0.462
Barium	12/22/98	8.64	700	0.115
Beryllium	12/22/98	0.27	1	0.115
Cadmium	12/22/98	0.586	1	0.115
Calcium	12/22/98	389	NLE	4.617
Chromium	12/22/98	27.1	NLE	0.115
Cobalt	12/22/98	0.999	NLE	0.115
Copper	12/22/98	4.26	600	0.693
Iron	12/22/98	9170	NLE	2.308
Lead	12/22/98	13.1	100	0.462
Magnesium	12/22/98	758	NLE	4.617
Manganese	12/22/98	20	NLE	0.115
Mercury	12/18/98	ND	14	0.016
Nickel	12/22/98	7.55	250	0.115
Potassium	12/22/98	1440	NLE	4.617
Selenium	12/22/98	ND	63	0.693
Silver	12/22/98	ND	110	0.693
Sodium	12/22/98	122	NLE	4.617
Thallium	12/22/98	ND	2	0.693
Vanadium	12/22/98	21.8	370	0.231
Zinc	12/22/98	20.5	1500	0.231

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000501

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4124.04
Sample Received: 12/8/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-2, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	3260	NLE	1.850
Antimony	12/22/98	0.819	14	0.370
Arsenic	12/22/98	2.74	20	0.370
Barium	12/22/98	9.11	700	0.092
Beryllium	12/22/98	0.245	1	0.092
Cadmium	12/22/98	ND	1	0.092
Calcium	12/22/98	505	NLE	3.699
Chromium	12/22/98	24.6	NLE	0.092
Cobalt	12/22/98	1.3	NLE	0.092
Copper	12/22/98	12.9	600	0.555
Iron	12/22/98	8550	NLE	1.850
Lead	12/22/98	17.6	100	0.370
Magnesium	12/22/98	762	NLE	3.699
Manganese	12/22/98	28.2	NLE	0.092
Mercury	12/18/98	ND	14	0.023
Nickel	12/22/98	3.22	250	0.092
Potassium	12/22/98	1330	NLE	3.699
Selenium	12/22/98	ND	63	0.555
Silver	12/22/98	ND	110	0.555
Sodium	12/22/98	85.9	NLE	3.699
Thallium	12/22/98	ND	2	0.555
Vanadium	12/22/98	20.2	370	0.185
Zinc	12/22/98	15.9	1500	0.185

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000502

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4124.06
Sample Received: 12/8/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-3, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	7910	NLE	2.043
Antimony	12/22/98	0.421	14	0.409
Arsenic	12/22/98	6.15	20	0.409
Barium	12/22/98	17.3	700	0.102
Beryllium	12/22/98	0.563	1	0.102
Cadmium	12/22/98	ND	1	0.102
Calcium	12/22/98	1050	NLE	4.086
Chromium	12/22/98	50.4	NLE	0.102
Cobalt	12/22/98	2.05	NLE	0.102
Copper	12/22/98	3.85	600	0.613
Iron	12/22/98	18000	NLE	2.043
Lead	12/22/98	7.84	100	0.409
Magnesium	12/22/98	1660	NLE	4.086
Manganese	12/22/98	46.9	NLE	0.102
Mercury	12/18/98	ND	14	0.021
Nickel	12/22/98	4.85	250	0.102
Potassium	12/22/98	2860	NLE	4.086
Selenium	12/22/98	ND	63	0.613
Silver	12/22/98	ND	110	0.613
Sodium	12/22/98	122	NLE	4.086
Thallium	12/22/98	ND	2	0.613
Vanadium	12/22/98	43	370	0.204
Zinc	12/22/98	22	1500	0.204

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000503

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4124.08
Sample Received: 12/8/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-4, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	2500	NLE	1.745
Antimony	12/22/98	0.582	14	0.349
Arsenic	12/22/98	1.87	20	0.349
Barium	12/22/98	6.79	700	0.087
Beryllium	12/22/98	0.187	1	0.087
Cadmium	12/22/98	ND	1	0.087
Calcium	12/22/98	280	NLE	3.490
Chromium	12/22/98	20.9	NLE	0.087
Cobalt	12/22/98	2.05	NLE	0.087
Copper	12/22/98	3.76	600	0.523
Iron	12/22/98	6510	NLE	1.745
Lead	12/22/98	17.1	100	0.349
Magnesium	12/22/98	563	NLE	3.490
Manganese	12/22/98	17.5	NLE	0.087
Mercury	12/18/98	ND	14	0.017
Nickel	12/22/98	1.96	250	0.087
Potassium	12/22/98	1040	NLE	3.490
Selenium	12/22/98	ND	63	0.523
Silver	12/22/98	ND	110	0.523
Sodium	12/22/98	73.3	NLE	3.490
Thallium	12/22/98	ND	2	0.523
Vanadium	12/22/98	15	370	0.174
Zinc	12/22/98	12.3	1500	0.174

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000504

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4124.10
Sample Received: 12/8/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-5, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	2570	NLE	2.019
Antimony	12/22/98	0.605	14	0.404
Arsenic	12/22/98	2.46	20	0.404
Barium	12/22/98	8.42	700	0.101
Beryllium	12/22/98	0.209	1	0.101
Cadmium	12/22/98	ND	1	0.101
Calcium	12/22/98	365	NLE	4.039
Chromium	12/22/98	20.7	NLE	0.101
Cobalt	12/22/98	1.19	NLE	0.101
Copper	12/22/98	6.17	600	0.606
Iron	12/22/98	7580	NLE	2.019
Lead	12/22/98	13.9	100	0.404
Magnesium	12/22/98	607	NLE	4.039
Manganese	12/22/98	21.7	NLE	0.101
Mercury	12/18/98	ND	14	0.015
Nickel	12/22/98	1.36	250	0.101
Potassium	12/22/98	1180	NLE	4.039
Selenium	12/22/98	ND	63	0.606
Silver	12/22/98	ND	110	0.606
Sodium	12/22/98	77.7	NLE	4.039
Thallium	12/22/98	ND	2	0.606
Vanadium	12/22/98	16.7	370	0.202
Zinc	12/22/98	15.3	1500	0.202

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000505

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4124.12
Sample Received: 12/8/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-6, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	2780	NLE	1.805
Antimony	12/22/98	0.802	14	0.361
Arsenic	12/22/98	1.98	20	0.361
Barium	12/22/98	8.86	700	0.090
Beryllium	12/22/98	0.208	1	0.090
Cadmium	12/22/98	ND	1	0.090
Calcium	12/22/98	259	NLE	3.611
Chromium	12/22/98	21.4	NLE	0.090
Cobalt	12/22/98	0.966	NLE	0.090
Copper	12/22/98	9.22	600	0.542
Iron	12/22/98	7070	NLE	1.805
Lead	12/22/98	14.1	100	0.361
Magnesium	12/22/98	618	NLE	3.611
Manganese	12/22/98	22.3	NLE	0.090
Mercury	12/18/98	ND	14	0.024
Nickel	12/22/98	2.18	250	0.090
Potassium	12/22/98	1210	NLE	3.611
Selenium	12/22/98	ND	63	0.542
Silver	12/22/98	ND	110	0.542
Sodium	12/22/98	62.8	NLE	3.611
Thallium	12/22/98	ND	2	0.542
Vanadium	12/22/98	15.7	370	0.181
Zinc	12/22/98	14.2	1500	0.181

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000506

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4124.14
Sample Received: 12/8/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-7, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	8010	NLE	1.834
Antimony	12/22/98	0.373	14	0.367
Arsenic	12/22/98	5.49	20	0.367
Barium	12/22/98	16.8	700	0.092
Beryllium	12/22/98	0.473	1	0.092
Cadmium	12/22/98	ND	1	0.092
Calcium	12/22/98	1020	NLE	3.669
Chromium	12/22/98	46.3	NLE	0.092
Cobalt	12/22/98	2.03	NLE	0.092
Copper	12/22/98	5.14	600	0.550
Iron	12/22/98	16000	NLE	1.834
Lead	12/22/98	12.1	100	0.367
Magnesium	12/22/98	1560	NLE	3.669
Manganese	12/22/98	48.6	NLE	0.092
Mercury	12/18/98	ND	14	0.023
Nickel	12/22/98	4.58	250	0.092
Potassium	12/22/98	2380	NLE	3.669
Selenium	12/22/98	ND	63	0.550
Silver	12/22/98	ND	110	0.550
Sodium	12/22/98	74.1	NLE	3.669
Thallium	12/22/98	ND	2	0.550
Vanadium	12/22/98	39.4	370	0.183
Zinc	12/22/98	22.5	1500	0.183

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000507

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4124.16
Sample Received: 12/8/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-8, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	8790	NLE	1.472
Antimony	12/22/98	0.529	14	0.294
Arsenic	12/22/98	5.21	20	0.294
Barium	12/22/98	22.3	700	0.074
Beryllium	12/22/98	0.45	1	0.074
Cadmium	12/22/98	ND	1	0.074
Calcium	12/22/98	619	NLE	2.945
Chromium	12/22/98	42.6	NLE	0.074
Cobalt	12/22/98	1.99	NLE	0.074
Copper	12/22/98	52.9	600	0.442
Iron	12/22/98	15400	NLE	1.472
Lead	12/22/98	19.3	100	0.294
Magnesium	12/22/98	1320	NLE	2.945
Manganese	12/22/98	50.3	NLE	0.074
Mercury	12/18/98	ND	14	0.022
Nickel	12/22/98	5.27	250	0.074
Potassium	12/22/98	2240	NLE	2.945
Selenium	12/22/98	ND	63	0.442
Silver	12/22/98	ND	110	0.442
Sodium	12/22/98	108	NLE	2.945
Thallium	12/22/98	ND	2	0.442
Vanadium	12/22/98	36.2	370	0.147
Zinc	12/22/98	38.4	1500	0.147

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000508

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4128.02
Sample Received: 12/09/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-9, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	11300	NLE	1.916
Antimony	12/22/98	0.499	14	0.383
Arsenic	12/22/98	6.95	20	0.383
Barium	12/22/98	21.5	700	0.096
Beryllium	12/22/98	0.601	1	0.096
Cadmium	12/22/98	0.272	1	0.096
Calcium	12/22/98	880	NLE	3.832
Chromium	12/22/98	61.6	NLE	0.096
Cobalt	12/22/98	2.63	NLE	0.096
Copper	12/22/98	6.25	600	0.575
Iron	12/22/98	21600	NLE	1.916
Lead	12/22/98	37.9	100	0.383
Magnesium	12/22/98	1900	NLE	3.832
Manganese	12/22/98	56.9	NLE	0.096
Mercury	12/18/98	ND	14	0.024
Nickel	12/22/98	6.99	250	0.096
Potassium	12/22/98	2640	NLE	3.832
Selenium	12/22/98	ND	63	0.575
Silver	12/22/98	ND	110	0.575
Sodium	12/22/98	93.1	NLE	3.832
Thallium	12/22/98	ND	2	0.575
Vanadium	12/22/98	51.5	370	0.192
Zinc	12/22/98	36.8	1500	0.192

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000509

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4128.04
Sample Received: 12/09/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-10, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	11400	NLE	2.201
Antimony	12/22/98	0.461	14	0.440
Arsenic	12/22/98	7.91	20	0.440
Barium	12/22/98	18.7	700	0.110
Beryllium	12/22/98	0.689	1	0.110
Cadmium	12/22/98	ND	1	0.110
Calcium	12/22/98	884	NLE	4.403
Chromium	12/22/98	66.8	NLE	0.110
Cobalt	12/22/98	2.34	NLE	0.110
Copper	12/22/98	4.07	600	0.660
Iron	12/22/98	22400	NLE	2.201
Lead	12/22/98	7.51	100	0.440
Magnesium	12/22/98	1960	NLE	4.403
Manganese	12/22/98	55.7	NLE	0.110
Mercury	12/18/98	0.031	14	0.022
Nickel	12/22/98	6.42	250	0.110
Potassium	12/22/98	3200	NLE	4.403
Selenium	12/22/98	ND	63	0.660
Silver	12/22/98	ND	110	0.660
Sodium	12/22/98	82.6	NLE	4.403
Thallium	12/22/98	ND	2	0.660
Vanadium	12/22/98	54.9	370	0.220
Zinc	12/22/98	29.1	1500	0.220

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000510

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4128.06
Sample Received: 12/09/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-11, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	4790	NLE	2.307
Antimony	12/22/98	0.699	14	0.461
Arsenic	12/22/98	3.70	20	0.461
Barium	12/22/98	9.93	700	0.115
Beryllium	12/22/98	0.339	1	0.115
Cadmium	12/22/98	ND	1	0.115
Calcium	12/22/98	298	NLE	4.614
Chromium	12/22/98	33.3	NLE	0.115
Cobalt	12/22/98	1.39	NLE	0.115
Copper	12/22/98	6.32	600	0.692
Iron	12/22/98	11300	NLE	2.307
Lead	12/22/98	12.2	100	0.461
Magnesium	12/22/98	949	NLE	4.614
Manganese	12/22/98	29.1	NLE	0.115
Mercury	12/18/98	0.028	14	0.021
Nickel	12/22/98	3.18	250	0.115
Potassium	12/22/98	1880	NLE	4.614
Selenium	12/22/98	ND	63	0.692
Silver	12/22/98	ND	110	0.692
Sodium	12/22/98	77.8	NLE	4.614
Thallium	12/22/98	ND	2	0.692
Vanadium	12/22/98	25.6	370	0.231
Zinc	12/22/98	21.6	1500	0.231

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000511

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4128.08
Sample Received: 12/09/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-12, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	4880	NLE	2.166
Antimony	12/22/98	1.11	14	0.433
Arsenic	12/22/98	3.53	20	0.433
Barium	12/22/98	18.3	700	0.108
Beryllium	12/22/98	0.330	1	0.108
Cadmium	12/22/98	ND	1	0.108
Calcium	12/22/98	345	NLE	4.333
Chromium	12/22/98	29.2	NLE	0.108
Cobalt	12/22/98	1.64	NLE	0.108
Copper	12/22/98	16.1	600	0.650
Iron	12/22/98	11700	NLE	2.166
Lead	12/22/98	26.3	100	0.433
Magnesium	12/22/98	911	NLE	4.333
Manganese	12/22/98	34.9	NLE	0.108
Mercury	12/18/98	0.083	14	0.025
Nickel	12/22/98	3.95	250	0.108
Potassium	12/22/98	1680	NLE	4.333
Selenium	12/22/98	ND	63	0.650
Silver	12/22/98	ND	110	0.650
Sodium	12/22/98	88.6	NLE	4.333
Thallium	12/22/98	ND	2	0.650
Vanadium	12/22/98	22.4	370	0.217
Zinc	12/22/98	26.5	1500	0.217

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000512

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4128.10
Sample Received: 12/09/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-13, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	3880	NLE	2.400
Antimony	12/22/98	1.93	14	0.480
Arsenic	12/22/98	2.94	20	0.480
Barium	12/22/98	24.5	700	0.120
Beryllium	12/22/98	0.261	1	0.120
Cadmium	12/22/98	0.496	1	0.120
Calcium	12/22/98	528	NLE	4.800
Chromium	12/22/98	25.9	NLE	0.120
Cobalt	12/22/98	1.59	NLE	0.120
Copper	12/22/98	29.0	600	0.720
Iron	12/22/98	9960	NLE	2.400
Lead	12/22/98	37.4	100	0.480
Magnesium	12/22/98	865	NLE	4.800
Manganese	12/22/98	37.1	NLE	0.120
Mercury	12/18/98	0.133	14	0.023
Nickel	12/22/98	3.67	250	0.120
Potassium	12/22/98	1460	NLE	4.800
Selenium	12/22/98	ND	63	0.720
Silver	12/22/98	ND	110	0.720
Sodium	12/22/98	198	NLE	4.800
Thallium	12/22/98	ND	2	0.720
Vanadium	12/22/98	19.3	370	0.240
Zinc	12/22/98	33.7	1500	0.240

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000513

Report of Analysis

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification # 13461

Client: U.S. Army
 DPW, SELFM-PW-EV
 Bldg. 173
 Ft. Monmouth, NJ 07703

Lab ID #: 4128.12
 Sample Received: 12/09/98
 Sample Matrix: Soil

Site: CW-3A
 Ft. Monmouth, New Jersey

Field ID#: CW-3-14, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	4060	NLE	2.509
Antimony	12/22/98	1.58	14	0.480
Arsenic	12/22/98	3.37	20	0.480
Barium	12/22/98	19.7	700	0.120
Beryllium	12/22/98	0.279	1	0.120
Cadmium	12/22/98	0.151	1	0.120
Calcium	12/22/98	398	NLE	4.800
Chromium	12/22/98	28.3	NLE	0.120
Cobalt	12/22/98	1.25	NLE	0.120
Copper	12/22/98	26.4	600	0.720
Iron	12/22/98	10300	NLE	2.400
Lead	12/22/98	54.7	100	0.480
Magnesium	12/22/98	773	NLE	4.800
Manganese	12/22/98	32.9	NLE	0.120
Mercury	12/18/98	0.087	14	0.023
Nickel	12/22/98	3.85	250	0.120
Potassium	12/22/98	1500	NLE	4.800
Selenium	12/22/98	ND	63	0.720
Silver	12/22/98	ND	110	0.720
Sodium	12/22/98	94.6	NLE	4.800
Thallium	12/22/98	ND	2	0.720
Vanadium	12/22/98	20.9	370	0.240
Zinc	12/22/98	34.7	1500	0.240

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000514

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4128.14
Sample Received: 12/09/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-15, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	11300	NLE	2.362
Antimony	12/22/98	12.5	14	0.472
Arsenic	12/22/98	8.72	20	0.472
Barium	12/22/98	417	700	0.118
Beryllium	12/22/98	0.577	1	0.118
Cadmium	12/22/98	9.12	1	0.118
Calcium	12/22/98	1180	NLE	4.724
Chromium	12/22/98	75.3	NLE	0.118
Cobalt	12/22/98	3.23	NLE	0.118
Copper	12/22/98	4040	600	0.709
Iron	12/22/98	19300	NLE	2.362
Lead	12/22/98	473	100	0.472
Magnesium	12/22/98	1800	NLE	4.724
Manganese	12/22/98	313	NLE	0.118
Mercury	12/18/98	0.435	14	0.023
Nickel	12/22/98	15.4	250	0.118
Potassium	12/22/98	3400	NLE	4.724
Selenium	12/22/98	1.39	63	0.709
Silver	12/22/98	20.4	110	0.709
Sodium	12/22/98	120	NLE	4.724
Thallium	12/22/98	ND	2	0.709
Vanadium	12/22/98	39.4	370	0.236
Zinc	12/22/98	806	1500	0.236

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000515

Report of Analysis

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification # 13461

Client: U.S. Army
 DPW, SELFM-PW-EV
 Bldg. 173
 Ft. Monmouth, NJ 07703

Lab ID #: 4128.16
 Sample Received: 12/09/98
 Sample Matrix: Soil

Site: CW-3A
 Ft. Monmouth, New Jersey

Field ID#: CW-3-16, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	9600	NLE	2.280
Antimony	12/22/98	6.92	14	0.456
Arsenic	12/22/98	5.99	20	0.456
Barium	12/22/98	122	700	0.114
Beryllium	12/22/98	0.517	1	0.114
Cadmium	12/22/98	3.58	1	0.114
Calcium	12/22/98	916	NLE	4.560
Chromium	12/22/98	50.1	NLE	0.114
Cobalt	12/22/98	2.75	NLE	0.114
Copper	12/22/98	181	600	0.684
Iron	12/22/98	17800	NLE	2.280
Lead	12/22/98	137	100	0.456
Magnesium	12/22/98	1410	NLE	4.560
Manganese	12/22/98	114	NLE	0.114
Mercury	12/18/98	0.281	14	0.022
Nickel	12/22/98	11.4	250	0.114
Potassium	12/22/98	2910	NLE	4.560
Selenium	12/22/98	0.981	63	0.684
Silver	12/22/98	2.73	110	0.684
Sodium	12/22/98	99.2	NLE	4.560
Thallium	12/22/98	ND	2	0.684
Vanadium	12/22/98	32.2	370	0.228
Zinc	12/22/98	375	1500	0.228

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000516

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4128.18
Sample Received: 12/09/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-17, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	10300	NLE	2.196
Antimony	12/22/98	0.573	14	0.439
Arsenic	12/22/98	7.44	20	0.439
Barium	12/22/98	23.9	700	0.110
Beryllium	12/22/98	0.609	1	0.110
Cadmium	12/22/98	ND	1	0.110
Calcium	12/22/98	1540	NLE	4.391
Chromium	12/22/98	61.9	NLE	0.110
Cobalt	12/22/98	2.38	NLE	0.110
Copper	12/22/98	8.03	600	0.659
Iron	12/22/98	21700	NLE	2.196
Lead	12/22/98	15.0	100	0.439
Magnesium	12/22/98	1970	NLE	4.391
Manganese	12/22/98	62.3	NLE	0.110
Mercury	12/18/98	0.048	14	0.023
Nickel	12/22/98	6.97	250	0.110
Potassium	12/22/98	3180	NLE	4.391
Selenium	12/22/98	ND	63	0.659
Silver	12/22/98	ND	110	0.659
Sodium	12/22/98	100	NLE	4.391
Thallium	12/22/98	ND	2	0.659
Vanadium	12/22/98	48.0	370	0.220
Zinc	12/22/98	41.8	1500	0.220

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000517

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4128.20
Sample Received: 12/09/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-18, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	7690	NLE	2.427
Antimony	12/22/98	0.487	14	0.485
Arsenic	12/22/98	6.48	20	0.485
Barium	12/22/98	19.2	700	0.121
Beryllium	12/22/98	0.463	1	0.121
Cadmium	12/22/98	ND	1	0.121
Calcium	12/22/98	1090	NLE	4.854
Chromium	12/22/98	44.7	NLE	0.121
Cobalt	12/22/98	1.70	NLE	0.121
Copper	12/22/98	5.16	600	0.728
Iron	12/22/98	17500	NLE	2.427
Lead	12/22/98	7.06	100	0.485
Magnesium	12/22/98	1450	NLE	4.854
Manganese	12/22/98	37.2	NLE	0.121
Mercury	12/18/98	0.045	14	0.025
Nickel	12/22/98	5.41	250	0.121
Potassium	12/22/98	2590	NLE	4.854
Selenium	12/22/98	0.860	63	0.728
Silver	12/22/98	ND	110	0.728
Sodium	12/22/98	108	NLE	4.854
Thallium	12/22/98	ND	2	0.728
Vanadium	12/22/98	33.7	370	0.243
Zinc	12/22/98	36.7	1500	0.243

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000518

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELF-M-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4128.22
Sample Received: 12/09/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-19, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	6810	NLE	1.654
Antimony	12/22/98	0.455	14	0.331
Arsenic	12/22/98	5.33	20	0.331
Barium	12/22/98	15.9	700	0.083
Beryllium	12/22/98	0.378	1	0.083
Cadmium	12/22/98	ND	1	0.083
Calcium	12/22/98	2600	NLE	3.308
Chromium	12/22/98	42.4	NLE	0.083
Cobalt	12/22/98	4.19	NLE	0.083
Copper	12/22/98	12.2	600	0.496
Iron	12/22/98	16600	NLE	1.654
Lead	12/22/98	5.89	100	0.331
Magnesium	12/22/98	2400	NLE	3.308
Manganese	12/22/98	69.4	NLE	0.083
Mercury	12/18/98	0.032	14	0.025
Nickel	12/22/98	12.3	250	0.083
Potassium	12/22/98	1830	NLE	3.308
Selenium	12/22/98	ND	63	0.496
Silver	12/22/98	ND	110	0.496
Sodium	12/22/98	101	NLE	3.308
Thallium	12/22/98	ND	2	0.496
Vanadium	12/22/98	36.7	370	0.165
Zinc	12/22/98	25.1	1500	0.165

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000519

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4128.24
Sample Received: 12/09/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-20, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	8330	NLE	2.356
Antimony	12/22/98	0.679	14	0.471
Arsenic	12/22/98	6.28	20	0.471
Barium	12/22/98	16.9	700	0.118
Beryllium	12/22/98	0.520	1	0.118
Cadmium	12/22/98	0.120	1	0.118
Calcium	12/22/98	1840	NLE	4.711
Chromium	12/22/98	52.4	NLE	0.118
Cobalt	12/22/98	2.08	NLE	0.118
Copper	12/22/98	8.51	600	0.707
Iron	12/22/98	20700	NLE	2.356
Lead	12/22/98	12.2	100	0.471
Magnesium	12/22/98	1990	NLE	4.711
Manganese	12/22/98	47.5	NLE	0.118
Mercury	12/18/98	0.042	14	0.024
Nickel	12/22/98	5.66	250	0.118
Potassium	12/22/98	2470	NLE	4.711
Selenium	12/22/98	ND	63	0.707
Silver	12/22/98	ND	110	0.707
Sodium	12/22/98	90.4	NLE	4.711
Thallium	12/22/98	ND	2	0.707
Vanadium	12/22/98	42.9	370	0.236
Zinc	12/22/98	62.2	1500	0.236

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000520

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4128.26
Sample Received: 12/09/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-21, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	9980	NLE	2.114
Antimony	12/22/98	ND	14	0.423
Arsenic	12/22/98	9.02	20	0.423
Barium	12/22/98	22.8	700	0.106
Beryllium	12/22/98	0.691	1	0.106
Cadmium	12/22/98	ND	1	0.106
Calcium	12/22/98	562	NLE	4.229
Chromium	12/22/98	58.9	NLE	0.106
Cobalt	12/22/98	2.58	NLE	0.106
Copper	12/22/98	9.35	600	0.634
Iron	12/22/98	24700	NLE	2.114
Lead	12/22/98	10	100	0.423
Magnesium	12/22/98	1880	NLE	4.229
Manganese	12/22/98	64.5	NLE	0.106
Mercury	12/18/98	0.033	14	0.024
Nickel	12/22/98	5.98	250	0.106
Potassium	12/22/98	3470	NLE	4.229
Selenium	12/22/98	ND	63	0.634
Silver	12/22/98	ND	110	0.634
Sodium	12/22/98	115	NLE	4.229
Thallium	12/22/98	ND	2	0.634
Vanadium	12/22/98	47.6	370	0.211
Zinc	12/22/98	34.9	1500	0.211

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000521

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4128.28
Sample Received: 12/09/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-22, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	3520	NLE	2.350
Antimony	12/22/98	0.826	14	0.470
Arsenic	12/22/98	9.02	20	0.470
Barium	12/22/98	14.1	700	0.117
Beryllium	12/22/98	0.261	1	0.117
Cadmium	12/22/98	ND	1	0.117
Calcium	12/22/98	264	NLE	4.699
Chromium	12/22/98	24.2	NLE	0.117
Cobalt	12/22/98	1.15	NLE	0.117
Copper	12/22/98	13.4	600	0.705
Iron	12/22/98	8650	NLE	2.350
Lead	12/22/98	19.8	100	0.470
Magnesium	12/22/98	727	NLE	4.699
Manganese	12/22/98	25.7	NLE	0.117
Mercury	12/18/98	0.118	14	0.024
Nickel	12/22/98	2.49	250	0.117
Potassium	12/22/98	1490	NLE	4.699
Selenium	12/22/98	ND	63	0.705
Silver	12/22/98	ND	110	0.705
Sodium	12/22/98	129	NLE	4.699
Thallium	12/22/98	ND	2	0.705
Vanadium	12/22/98	18.6	370	0.235
Zinc	12/22/98	21.2	1500	0.235

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000522

Report of Analysis

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification # 13461

Client: U.S. Army
 DPW, SELFM-PW-EV
 Bldg. 173
 Ft. Monmouth, NJ 07703

Lab ID #: 4128.30
 Sample Received: 12/09/98
 Sample Matrix: Soil

Site: CW-3A
 Ft. Monmouth, New Jersey

Field ID#: CW-3-23, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	4390	NLE	2.417
Antimony	12/22/98	0.972	14	0.483
Arsenic	12/22/98	3.71	20	0.483
Barium	12/22/98	11.4	700	0.121
Beryllium	12/22/98	0.312	1	0.121
Cadmium	12/22/98	0.171	1	0.121
Calcium	12/22/98	337	NLE	4.834
Chromium	12/22/98	28.5	NLE	0.121
Cobalt	12/22/98	1.47	NLE	0.121
Copper	12/22/98	11.9	600	0.725
Iron	12/22/98	10900	NLE	2.417
Lead	12/22/98	28.6	100	0.483
Magnesium	12/22/98	830	NLE	4.834
Manganese	12/22/98	31.3	NLE	0.121
Mercury	12/18/98	0.116	14	0.024
Nickel	12/22/98	3.06	250	0.121
Potassium	12/22/98	1570	NLE	4.834
Selenium	12/22/98	ND	63	0.725
Silver	12/22/98	ND	110	0.725
Sodium	12/22/98	94.3	NLE	4.834
Thallium	12/22/98	ND	2	0.725
Vanadium	12/22/98	23.0	370	0.242
Zinc	12/22/98	27.6	1500	0.242

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000523

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4140.02
Sample Received: 12/14/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-24, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	2390	NLE	2.07
Antimony	12/22/98	1.09	14	0.414
Arsenic	12/22/98	2.52	20	0.414
Barium	12/22/98	11.3	700	0.104
Beryllium	12/22/98	0.222	1	0.104
Cadmium	12/22/98	0.250	1	0.104
Calcium	12/22/98	320	NLE	4.14
Chromium	12/22/98	19.5	NLE	0.104
Cobalt	12/22/98	0.992	NLE	0.104
Copper	12/22/98	13.4	600	0.621
Iron	12/22/98	6980	NLE	2.07
Lead	12/22/98	21.8	100	0.414
Magnesium	12/22/98	542	NLE	4.14
Manganese	12/22/98	26.2	NLE	0.104
Mercury	12/18/98	0.032	14	0.020
Nickel	12/22/98	2.30	250	0.104
Potassium	12/22/98	1120	NLE	4.14
Selenium	12/22/98	ND	63	0.621
Silver	12/22/98	ND	110	0.621
Sodium	12/22/98	121	NLE	4.14
Thallium	12/22/98	ND	2	0.621
Vanadium	12/22/98	15.8	370	0.207
Zinc	12/22/98	21.1	1500	0.207

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000524

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4140.04
Sample Received: 12/14/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-25, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	6230	NLE	2.33
Antimony	12/22/98	1.00	14	0.465
Arsenic	12/22/98	6.64	20	0.465
Barium	12/22/98	18.8	700	0.116
Beryllium	12/22/98	0.511	1	0.116
Cadmium	12/22/98	0.160	1	0.12
Calcium	12/22/98	378	NLE	4.652
Chromium	12/22/98	60.8	NLE	0.116
Cobalt	12/22/98	1.78	NLE	0.116
Copper	12/22/98	64.1	600	0.698
Iron	12/22/98	14600	NLE	2.33
Lead	12/22/98	35.6	100	0.465
Magnesium	12/22/98	1400	NLE	4.65
Manganese	12/22/98	46.4	NLE	0.116
Mercury	12/18/98	0.107	14	0.020
Nickel	12/22/98	4.85	250	0.116
Potassium	12/22/98	2930	NLE	4.65
Selenium	12/22/98	0.724	63	0.698
Silver	12/22/98	ND	110	0.698
Sodium	12/22/98	74.7	NLE	4.65
Thallium	12/22/98	ND	2	0.698
Vanadium	12/22/98	39.9	370	0.233
Zinc	12/22/98	56.2	1500	0.233

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000525

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4140.06
Sample Received: 12/14/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-26, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	6620	NLE	2.26
Antimony	12/22/98	31.3	14	0.453
Arsenic	12/22/98	16.1	20	0.453
Barium	12/22/98	82.2	700	0.113
Beryllium	12/22/98	0.477	1	0.113
Cadmium	12/22/98	0.884	1	0.113
Calcium	12/22/98	504	NLE	4.53
Chromium	12/22/98	55.1	NLE	0.113
Cobalt	12/22/98	2.99	NLE	0.113
Copper	12/22/98	275	600	0.679
Iron	12/22/98	15600	NLE	2.26
Lead	12/22/98	309	100	0.453
Magnesium	12/22/98	1450	NLE	4.53
Manganese	12/22/98	176	NLE	0.113
Mercury	12/18/98	0.484	14	0.021
Nickel	12/22/98	8.85	250	0.113
Potassium	12/22/98	2240	NLE	4.53
Selenium	12/22/98	0.847	63	0.679
Silver	12/22/98	3.22	110	0.679
Sodium	12/22/98	159	NLE	4.53
Thallium	12/22/98	ND	2	0.679
Vanadium	12/22/98	37.2	370	0.226
Zinc	12/22/98	241	1500	0.226

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000526

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4140.08
Sample Received: 12/14/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-27, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	7850	NLE	2.76
Antimony	12/22/98	3.90	14	0.553
Arsenic	12/22/98	7.10	20	0.553
Barium	12/22/98	77.2	700	0.138
Beryllium	12/22/98	0.561	1	0.138
Cadmium	12/22/98	0.914	1	0.138
Calcium	12/22/98	651	NLE	5.53
Chromium	12/22/98	51.2	NLE	0.138
Cobalt	12/22/98	2.29	NLE	0.138
Copper	12/22/98	250	600	0.829
Iron	12/22/98	19000	NLE	2.76
Lead	12/22/98	72.6	100	0.553
Magnesium	12/22/98	1540	NLE	5.53
Manganese	12/22/98	54.0	NLE	0.138
Mercury	12/18/98	0.341	14	0.025
Nickel	12/22/98	14.6	250	0.138
Potassium	12/22/98	2780	NLE	5.53
Selenium	12/22/98	1.06	63	0.829
Silver	12/22/98	1.70	110	0.829
Sodium	12/22/98	130	NLE	5.53
Thallium	12/22/98	ND	2	0.829
Vanadium	12/22/98	39.8	370	0.276
Zinc	12/22/98	543	1500	0.276

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000527

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4140.10
Sample Received: 12/14/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-28, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	8140	NLE	2.01
Antimony	12/22/98	ND	14	0.401
Arsenic	12/22/98	6.90	20	0.401
Barium	12/22/98	18.0	700	0.100
Beryllium	12/22/98	0.601	1	0.100
Cadmium	12/22/98	0.220	1	0.100
Calcium	12/22/98	948	NLE	4.01
Chromium	12/22/98	54.1	NLE	0.100
Cobalt	12/22/98	2.22	NLE	0.100
Copper	12/22/98	5.44	600	0.602
Iron	12/22/98	19600	NLE	2.01
Lead	12/22/98	10.2	100	0.401
Magnesium	12/22/98	1780	NLE	4.01
Manganese	12/22/98	57.2	NLE	0.100
Mercury	12/18/98	0.032	14	0.019
Nickel	12/22/98	5.31	250	0.100
Potassium	12/22/98	3040	NLE	4.01
Selenium	12/22/98	ND	63	0.602
Silver	12/22/98	ND	110	0.602
Sodium	12/22/98	90.2	NLE	4.01
Thallium	12/22/98	ND	2	0.602
Vanadium	12/22/98	43.1	370	0.201
Zinc	12/22/98	29.0	1500	0.201

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000528

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4140.12
Sample Received: 12/14/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-29, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	10200	NLE	2.02
Antimony	12/22/98	ND	14	0.405
Arsenic	12/22/98	7.33	20	0.405
Barium	12/22/98	19.3	700	0.101
Beryllium	12/22/98	0.557	1	0.101
Cadmium	12/22/98	ND	1	0.101
Calcium	12/22/98	746	NLE	4.05
Chromium	12/22/98	51.5	NLE	0.101
Cobalt	12/22/98	2.22	NLE	0.101
Copper	12/22/98	3.98	600	0.607
Iron	12/22/98	18600	NLE	2.02
Lead	12/22/98	6.56	100	0.405
Magnesium	12/22/98	1580	NLE	4.05
Manganese	12/22/98	51.6	NLE	0.101
Mercury	12/18/98	0.033	14	0.017
Nickel	12/22/98	5.53	250	0.101
Potassium	12/22/98	2460	NLE	4.05
Selenium	12/22/98	0.607	63	0.607
Silver	12/22/98	ND	110	0.607
Sodium	12/22/98	104	NLE	4.05
Thallium	12/22/98	ND	2	0.607
Vanadium	12/22/98	44.7	370	0.202
Zinc	12/22/98	29.8	1500	0.202

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000529

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4140.14
Sample Received: 12/14/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-30, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	8010	NLE	2.15
Antimony	12/22/98	ND	14	0.430
Arsenic	12/22/98	7.75	20	0.430
Barium	12/22/98	16.4	700	0.107
Beryllium	12/22/98	0.648	1	0.107
Cadmium	12/22/98	ND	1	0.107
Calcium	12/22/98	722	NLE	4.30
Chromium	12/22/98	56.3	NLE	0.107
Cobalt	12/22/98	2.03	NLE	0.107
Copper	12/22/98	6.18	600	0.645
Iron	12/22/98	20300	NLE	2.15
Lead	12/22/98	6.65	100	0.430
Magnesium	12/22/98	1900	NLE	4.30
Manganese	12/22/98	47.5	NLE	0.107
Mercury	12/18/98	0.037	14	0.021
Nickel	12/22/98	5.08	250	0.107
Potassium	12/22/98	3630	NLE	4.30
Selenium	12/22/98	0.684	63	0.645
Silver	12/22/98	ND	110	0.645
Sodium	12/22/98	59.6	NLE	4.30
Thallium	12/22/98	ND	2	0.645
Vanadium	12/22/98	43.5	370	0.215
Zinc	12/22/98	32.5	1500	0.215

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000530

Report of Analysis

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification # 13461

Client: U.S. Army
 DPW, SELFM-PW-EV
 Bldg. 173
 Ft. Monmouth, NJ 07703

Lab ID #: 4140.16
 Sample Received: 12/14/98
 Sample Matrix: Soil

Site: CW-3A
 Ft. Monmouth, New Jersey

Field ID#: CW-3-31, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	10000	NLE	2.22
Antimony	12/22/98	0.828	14	0.444
Arsenic	12/22/98	9.45	20	0.444
Barium	12/22/98	35.0	700	0.111
Beryllium	12/22/98	0.595	1	0.111
Cadmium	12/22/98	0.472	1	0.111
Calcium	12/22/98	729	NLE	4.44
Chromium	12/22/98	52.2	NLE	0.111
Cobalt	12/22/98	2.74	NLE	0.111
Copper	12/22/98	25.2	600	0.665
Iron	12/22/98	19300	NLE	2.22
Lead	12/22/98	36.4	100	0.444
Magnesium	12/22/98	1700	NLE	4.44
Manganese	12/22/98	75.0	NLE	0.111
Mercury	12/18/98	0.131	14	0.020
Nickel	12/22/98	8.21	250	0.111
Potassium	12/22/98	2890	NLE	4.44
Selenium	12/22/98	0.747	63	0.665
Silver	12/22/98	ND	110	0.665
Sodium	12/22/98	84.1	NLE	4.44
Thallium	12/22/98	ND	2	0.665
Vanadium	12/22/98	41.2	370	0.222
Zinc	12/22/98	88.5	1500	0.222

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000531

Report of Analysis

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification # 13461

Client: U.S. Army
 DPW, SELFM-PW-EV
 Bldg. 173
 Ft. Monmouth, NJ 07703

Lab ID #: 4140.18
 Sample Received: 12/14/98
 Sample Matrix: Soil

Site: CW-3A
 Ft. Monmouth, New Jersey

Field ID#: CW-3-32, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	3860	NLE	2.16
Antimony	12/22/98	ND	14	0.432
Arsenic	12/22/98	7.57	20	0.432
Barium	12/22/98	26.1	700	0.108
Beryllium	12/22/98	0.466	1	0.108
Cadmium	12/22/98	2.25	1	0.108
Calcium	12/22/98	989	NLE	4.32
Chromium	12/22/98	34.4	NLE	0.108
Cobalt	12/22/98	1.09	NLE	0.108
Copper	12/22/98	3.26	600	0.649
Iron	12/22/98	13800	NLE	2.16
Lead	12/22/98	4.56	100	0.432
Magnesium	12/22/98	847	NLE	4.32
Manganese	12/22/98	46.0	NLE	0.108
Mercury	12/18/98	0.037	14	0.020
Nickel	12/22/98	3.54	250	0.108
Potassium	12/22/98	1310	NLE	4.32
Selenium	12/22/98	ND	63	0.649
Silver	12/22/98	ND	110	0.649
Sodium	12/22/98	67.0	NLE	4.32
Thallium	12/22/98	ND	2	0.649
Vanadium	12/22/98	21.9	370	0.216
Zinc	12/22/98	112	1500	0.216

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000532

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4140.20
Sample Received: 12/14/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-33, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	2300	NLE	2.51
Antimony	12/22/98	ND	14	0.502
Arsenic	12/22/98	4.24	20	0.502
Barium	12/22/98	22.4	700	0.126
Beryllium	12/22/98	0.159	1	0.126
Cadmium	12/22/98	0.228	1	0.126
Calcium	12/22/98	1530	NLE	5.02
Chromium	12/22/98	3.18	NLE	0.126
Cobalt	12/22/98	1.98	NLE	0.126
Copper	12/22/98	11.1	600	0.753
Iron	12/22/98	2590	NLE	2.51
Lead	12/22/98	11.9	100	0.502
Magnesium	12/22/98	99.9	NLE	5.02
Manganese	12/22/98	44.2	NLE	0.126
Mercury	12/18/98	0.052	14	0.022
Nickel	12/22/98	4.41	250	0.126
Potassium	12/22/98	259	NLE	5.02
Selenium	12/22/98	ND	63	0.753
Silver	12/22/98	ND	110	0.753
Sodium	12/22/98	135	NLE	5.02
Thallium	12/22/98	ND	2	0.753
Vanadium	12/22/98	7.17	370	0.251
Zinc	12/22/98	86.3	1500	0.251

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000533

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4140.22
Sample Received: 12/14/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-34, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	1130	NLE	2.28
Antimony	12/22/98	0.683	14	0.455
Arsenic	12/22/98	2.01	20	0.455
Barium	12/22/98	5.44	700	0.114
Beryllium	12/22/98	ND	1	0.114
Cadmium	12/22/98	0.190	1	0.114
Calcium	12/22/98	197	NLE	4.55
Chromium	12/22/98	10.8	NLE	0.114
Cobalt	12/22/98	0.500	NLE	0.114
Copper	12/22/98	8.06	600	0.683
Iron	12/22/98	4320	NLE	2.28
Lead	12/22/98	13.9	100	0.455
Magnesium	12/22/98	172	NLE	4.55
Manganese	12/22/98	11.8	NLE	0.114
Mercury	12/18/98	0.036	14	0.020
Nickel	12/22/98	1.38	250	0.114
Potassium	12/22/98	204	NLE	4.55
Selenium	12/22/98	ND	63	0.683
Silver	12/22/98	ND	110	0.683
Sodium	12/22/98	50.8	NLE	4.55
Thallium	12/22/98	ND	2	0.683
Vanadium	12/22/98	11.3	370	0.228
Zinc	12/22/98	16.3	1500	0.228

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000534

Report of Analysis

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification # 13461

Client: U.S. Army
 DPW, SELFM-PW-EV
 Bldg. 173
 Ft. Monmouth, NJ 07703

Lab ID #: 4140.24
 Sample Received: 12/14/98
 Sample Matrix: Soil

Site: CW-3A
 Ft. Monmouth, New Jersey

Field ID#: CW-3-35, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	1810	NLE	2.42
Antimony	12/22/98	ND	14	0.483
Arsenic	12/22/98	3.00	20	0.483
Barium	12/22/98	6.98	700	0.121
Beryllium	12/22/98	0.155	1	0.121
Cadmium	12/22/98	0.211	1	0.121
Calcium	12/22/98	270	NLE	4.83
Chromium	12/22/98	14.7	NLE	0.121
Cobalt	12/22/98	0.718	NLE	0.121
Copper	12/22/98	4.52	600	0.725
Iron	12/22/98	6130	NLE	2.42
Lead	12/22/98	8.57	100	0.483
Magnesium	12/22/98	245	NLE	4.83
Manganese	12/22/98	18.2	NLE	0.121
Mercury	12/18/98	0.031	14	0.018
Nickel	12/22/98	1.58	250	0.121
Potassium	12/22/98	220	NLE	4.83
Selenium	12/22/98	ND	63	0.725
Silver	12/22/98	ND	110	0.725
Sodium	12/22/98	38.4	NLE	4.83
Thallium	12/22/98	ND	2	0.725
Vanadium	12/22/98	16.0	370	0.242
Zinc	12/22/98	182	1500	0.242

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000535

Report of Analysis

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification # 13461

Client: U.S. Army
 DPW, SELFM-PW-EV
 Bldg. 173
 Ft. Monmouth, NJ 07703

Lab ID #: 4140.26
 Sample Received: 12/14/98
 Sample Matrix: Soil

Site: CW-3A
 Ft. Monmouth, New Jersey

Field ID#: CW-3-36, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	1560	NLE	2.43
Antimony	12/22/98	0.878	14	0.485
Arsenic	12/22/98	5.20	20	0.485
Barium	12/22/98	29.1	700	0.121
Beryllium	12/22/98	0.157	1	0.121
Cadmium	12/22/98	0.506	1	0.121
Calcium	12/22/98	327	NLE	4.85
Chromium	12/22/98	13.5	NLE	0.121
Cobalt	12/22/98	0.515	NLE	0.121
Copper	12/22/98	17.7	600	0.728
Iron	12/22/98	4960	NLE	2.43
Lead	12/22/98	21.0	100	0.485
Magnesium	12/22/98	236	NLE	4.85
Manganese	12/22/98	12.8	NLE	0.121
Mercury	12/18/98	0.047	14	0.021
Nickel	12/22/98	9.33	250	0.121
Potassium	12/22/98	284	NLE	4.85
Selenium	12/22/98	ND	63	0.728
Silver	12/22/98	1.51	110	0.728
Sodium	12/22/98	103	NLE	4.85
Thallium	12/22/98	ND	2	0.728
Vanadium	12/22/98	13.0	370	0.243
Zinc	12/22/98	40.0	1500	0.243

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000536

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4140.28
Sample Received: 12/14/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-37, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	1740	NLE	2.38
Antimony	12/22/98	1.23	14	0.475
Arsenic	12/22/98	4.91	20	0.475
Barium	12/22/98	18.5	700	0.119
Beryllium	12/22/98	0.147	1	0.119
Cadmium	12/22/98	0.416	1	0.119
Calcium	12/22/98	684	NLE	4.75
Chromium	12/22/98	21.3	NLE	0.119
Cobalt	12/22/98	1.13	NLE	0.119
Copper	12/22/98	18.9	600	0.713
Iron	12/22/98	6020	NLE	2.38
Lead	12/22/98	48.0	100	0.475
Magnesium	12/22/98	438	NLE	4.75
Manganese	12/22/98	34.0	NLE	0.119
Mercury	12/18/98	0.062	14	0.015
Nickel	12/22/98	3.29	250	0.119
Potassium	12/22/98	364	NLE	4.75
Selenium	12/22/98	ND	63	0.713
Silver	12/22/98	ND	110	0.713
Sodium	12/22/98	54.1	NLE	4.75
Thallium	12/22/98	ND	2	0.713
Vanadium	12/22/98	19.2	370	0.238
Zinc	12/22/98	64.1	1500	0.238

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000537

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4140.30
Sample Received: 12/14/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-38, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	4550	NLE	2.34
Antimony	12/22/98	5.55	14	0.469
Arsenic	12/22/98	6.54	20	0.469
Barium	12/22/98	59.4	700	0.117
Beryllium	12/22/98	0.231	1	0.117
Cadmium	12/22/98	2.390	1	0.117
Calcium	12/22/98	1100	NLE	4.69
Chromium	12/22/98	26.7	NLE	0.117
Cobalt	12/22/98	2.49	NLE	0.117
Copper	12/22/98	1260.0	600	0.703
Iron	12/22/98	16300	NLE	2.34
Lead	12/22/98	266	100	0.469
Magnesium	12/22/98	383	NLE	4.69
Manganese	12/22/98	499	NLE	0.117
Mercury	12/18/98	0.121	14	0.021
Nickel	12/22/98	15.5	250	0.117
Potassium	12/22/98	314	NLE	4.69
Selenium	12/22/98	0.753	63	0.703
Silver	12/22/98	1.55	110	0.703
Sodium	12/22/98	93.1	NLE	4.69
Thallium	12/22/98	ND	2	0.703
Vanadium	12/22/98	25.5	370	0.234
Zinc	12/22/98	1380	1500	0.234

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000538

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4141.02
Sample Received: 12/15/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-39, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	6940	NLE	2.05
Antimony	12/22/98	0.693	14	0.411
Arsenic	12/22/98	7.39	20	0.411
Barium	12/22/98	15.1	700	0.103
Beryllium	12/22/98	0.621	1	0.103
Cadmium	12/22/98	ND	1	0.103
Calcium	12/22/98	469	NLE	4.11
Chromium	12/22/98	57.5	NLE	0.103
Cobalt	12/22/98	1.93	NLE	0.103
Copper	12/22/98	10.4	600	0.616
Iron	12/22/98	20500	NLE	2.05
Lead	12/22/98	7.67	100	0.411
Magnesium	12/22/98	1720	NLE	4.11
Manganese	12/22/98	48.9	NLE	0.103
Mercury	12/31/98	0.051	14	0.023
Nickel	12/22/98	4.95	250	0.103
Potassium	12/22/98	3070	NLE	4.11
Selenium	12/22/98	0.907	63	0.616
Silver	12/22/98	ND	110	0.616
Sodium	12/22/98	127	NLE	4.11
Thallium	12/22/98	ND	2	0.616
Vanadium	12/22/98	45.7	370	0.205
Zinc	12/22/98	36.0	1500	0.205

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000539

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4141.04
Sample Received: 12/15/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-40, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	11500	NLE	2.15
Antimony	12/22/98	ND	14	0.431
Arsenic	12/22/98	8.35	20	0.431
Barium	12/22/98	31.5	700	0.108
Beryllium	12/22/98	0.684	1	0.108
Cadmium	12/22/98	ND	1	0.11
Calcium	12/22/98	2200	NLE	4.307
Chromium	12/22/98	62.8	NLE	0.108
Cobalt	12/22/98	2.69	NLE	0.108
Copper	12/22/98	5.14	600	0.646
Iron	12/22/98	22900	NLE	2.15
Lead	12/22/98	7.72	100	0.431
Magnesium	12/22/98	2050	NLE	4.31
Manganese	12/22/98	65.0	NLE	0.108
Mercury	12/31/98	0.057	14	0.019
Nickel	12/22/98	7.02	250	0.108
Potassium	12/22/98	3330	NLE	4.31
Selenium	12/22/98	ND	63	0.646
Silver	12/22/98	ND	110	0.646
Sodium	12/22/98	158	NLE	4.31
Thallium	12/22/98	ND	2	0.646
Vanadium	12/22/98	51.2	370	0.215
Zinc	12/22/98	39.2	1500	0.215

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000540

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4141.06
Sample Received: 12/15/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-41, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	7740	NLE	2.33
Antimony	12/22/98	ND	14	0.467
Arsenic	12/22/98	5.77	20	0.467
Barium	12/22/98	19.2	700	0.117
Beryllium	12/22/98	0.424	1	0.117
Cadmium	12/22/98	ND	1	0.117
Calcium	12/22/98	625	NLE	4.67
Chromium	12/22/98	41.6	NLE	0.117
Cobalt	12/22/98	2.24	NLE	0.117
Copper	12/22/98	5.97	600	0.700
Iron	12/22/98	15600	NLE	2.33
Lead	12/22/98	7.91	100	0.467
Magnesium	12/22/98	1120	NLE	4.67
Manganese	12/22/98	43.2	NLE	0.117
Mercury	12/31/98	0.055	14	0.021
Nickel	12/22/98	5.02	250	0.117
Potassium	12/22/98	1980	NLE	4.67
Selenium	12/22/98	0.739	63	0.700
Silver	12/22/98	ND	110	0.700
Sodium	12/22/98	130	NLE	4.67
Thallium	12/22/98	ND	2	0.700
Vanadium	12/22/98	36.2	370	0.233
Zinc	12/22/98	35.8	1500	0.233

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000541

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4141.08
Sample Received: 12/15/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-42, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	8990	NLE	1.97
Antimony	12/22/98	1.39	14	0.394
Arsenic	12/22/98	7.53	20	0.394
Barium	12/22/98	22.2	700	0.098
Beryllium	12/22/98	0.531	1	0.098
Cadmium	12/22/98	ND	1	0.098
Calcium	12/22/98	1100	NLE	3.94
Chromium	12/22/98	51.6	NLE	0.098
Cobalt	12/22/98	1.91	NLE	0.098
Copper	12/22/98	4.41	600	0.590
Iron	12/22/98	196000	NLE	1.97
Lead	12/22/98	17.6	100	0.394
Magnesium	12/22/98	1480	NLE	3.94
Manganese	12/22/98	44..5	NLE	0.098
Mercury	12/31/98	0.057	14	0.022
Nickel	12/22/98	5.46	250	0.098
Potassium	12/22/98	2740	NLE	3.94
Selenium	12/22/98	ND	63	0.590
Silver	12/22/98	ND	110	0.590
Sodium	12/22/98	122	NLE	3.94
Thallium	12/22/98	ND	2	0.590
Vanadium	12/22/98	42.6	370	0.197
Zinc	12/22/98	38.2	1500	0.197

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000542

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4141.10
Sample Received: 12/15/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-43, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	12200	NLE	2.70
Antimony	12/22/98	1.59	14	0.540
Arsenic	12/22/98	22.7	20	0.540
Barium	12/22/98	90.8	700	0.135
Beryllium	12/22/98	1.23	1	0.135
Cadmium	12/22/98	0.909	1	0.135
Calcium	12/22/98	3590	NLE	5.40
Chromium	12/22/98	30.1	NLE	0.135
Cobalt	12/22/98	8.62	NLE	0.135
Copper	12/22/98	59.2	600	0.809
Iron	12/22/98	35700	NLE	2.70
Lead	12/22/98	40.0	100	0.540
Magnesium	12/22/98	624	NLE	5.40
Manganese	12/22/98	114	NLE	0.135
Mercury	12/31/98	0.096	14	0.026
Nickel	12/22/98	23.6	250	0.135
Potassium	12/22/98	1820	NLE	5.40
Selenium	12/22/98	2.51	63	0.809
Silver	12/22/98	ND	110	0.809
Sodium	12/22/98	351	NLE	5.40
Thallium	12/22/98	ND	2	0.809
Vanadium	12/22/98	37.2	370	0.270
Zinc	12/22/98	413	1500	0.270

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000543

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4141.12
Sample Received: 12/15/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-44, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	10400	NLE	2.10
Antimony	12/22/98	1.43	14	0.420
Arsenic	12/22/98	9.66	20	0.420
Barium	12/22/98	145	700	0.105
Beryllium	12/22/98	0.886	1	0.105
Cadmium	12/22/98	0.667	1	0.105
Calcium	12/22/98	1550	NLE	4.20
Chromium	12/22/98	49.4	NLE	0.105
Cobalt	12/22/98	7.63	NLE	0.105
Copper	12/22/98	78.2	600	0.630
Iron	12/22/98	25100	NLE	2.10
Lead	12/22/98	65.9	100	0.420
Magnesium	12/22/98	1440	NLE	4.20
Manganese	12/22/98	228	NLE	0.105
Mercury	12/31/98	0.243	14	0.025
Nickel	12/22/98	18.3	250	0.105
Potassium	12/22/98	3190	NLE	4.20
Selenium	12/22/98	1.37	63	0.630
Silver	12/22/98	0.792	110	0.630
Sodium	12/22/98	291	NLE	4.20
Thallium	12/22/98	ND	2	0.630
Vanadium	12/22/98	36.9	370	0.210
Zinc	12/22/98	189	1500	0.210

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000544

Report of Analysis

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification # 13461

Client: U.S. Army
 DPW, SELFM-PW-EV
 Bldg. 173
 Ft. Monmouth, NJ 07703

Lab ID #: 4141.14
 Sample Received: 12/15/98
 Sample Matrix: Soil

Site: CW-3A
 Ft. Monmouth, New Jersey

Field ID#: CW-3-45, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	3190	NLE	1.78
Antimony	12/22/98	0.933	14	0.356
Arsenic	12/22/98	5.52	20	0.356
Barium	12/22/98	17.6	700	0.089
Beryllium	12/22/98	0.261	1	0.089
Cadmium	12/22/98	0.0897	1	0.089
Calcium	12/22/98	252	NLE	3.56
Chromium	12/22/98	33.1	NLE	0.089
Cobalt	12/22/98	1.27	NLE	0.089
Copper	12/22/98	17.0	600	0.535
Iron	12/22/98	11000	NLE	1.78
Lead	12/22/98	33.2	100	0.356
Magnesium	12/22/98	665	NLE	3.56
Manganese	12/22/98	23.7	NLE	0.089
Mercury	12/31/98	0.037	14	0.020
Nickel	12/22/98	3.34	250	0.089
Potassium	12/22/98	1350	NLE	3.56
Selenium	12/22/98	ND	63	0.535
Silver	12/22/98	ND	110	0.535
Sodium	12/22/98	86.9	NLE	3.56
Thallium	12/22/98	ND	2	0.535
Vanadium	12/22/98	23.7	370	0.178
Zinc	12/22/98	28.0	1500	0.178

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000545

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4141.16
Sample Received: 12/15/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-46, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	6500	NLE	2.27
Antimony	12/22/98	0.524	14	0.453
Arsenic	12/22/98	5.46	20	0.453
Barium	12/22/98	24.2	700	0.113
Beryllium	12/22/98	0.627	1	0.113
Cadmium	12/22/98	0.185	1	0.113
Calcium	12/22/98	607	NLE	4.53
Chromium	12/22/98	71.2	NLE	0.113
Cobalt	12/22/98	1.56	NLE	0.113
Copper	12/22/98	6.98	600	0.680
Iron	12/22/98	16700	NLE	2.27
Lead	12/22/98	20.4	100	0.453
Magnesium	12/22/98	1800	NLE	4.53
Manganese	12/22/98	31.8	NLE	0.113
Mercury	12/31/98	0.250	14	0.024
Nickel	12/22/98	4.33	250	0.113
Potassium	12/22/98	4040	NLE	4.53
Selenium	12/22/98	ND	63	0.680
Silver	12/22/98	ND	110	0.680
Sodium	12/22/98	98.3	NLE	4.53
Thallium	12/22/98	ND	2	0.680
Vanadium	12/22/98	44.2	370	0.227
Zinc	12/22/98	53.2	1500	0.227

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000546

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4141.18
Sample Received: 12/15/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-47, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	8230	NLE	1.97
Antimony	12/22/98	ND	14	0.395
Arsenic	12/22/98	5.74	20	0.395
Barium	12/22/98	15.5	700	0.099
Beryllium	12/22/98	0.400	1	0.099
Cadmium	12/22/98	0.175	1	0.099
Calcium	12/22/98	211	NLE	3.95
Chromium	12/22/98	43.1	NLE	0.099
Cobalt	12/22/98	1.50	NLE	0.099
Copper	12/22/98	3.23	600	0.592
Iron	12/22/98	16300	NLE	1.97
Lead	12/22/98	4.80	100	0.395
Magnesium	12/22/98	1090	NLE	3.95
Manganese	12/22/98	29.2	NLE	0.099
Mercury	12/31/98	0.055	14	0.022
Nickel	12/22/98	5.03	250	0.099
Potassium	12/22/98	1470	NLE	3.95
Selenium	12/22/98	ND	63	0.592
Silver	12/22/98	ND	110	0.592
Sodium	12/22/98	135	NLE	3.95
Thallium	12/22/98	ND	2	0.592
Vanadium	12/22/98	37.2	370	0.197
Zinc	12/22/98	42.9	1500	0.197

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000547

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4141.20
Sample Received: 12/15/98
Sample Matrix: Soil

Site: CW-3A
Ft. Monmouth, New Jersey

Field ID#: CW-3-48, 6-12"

TAL-METALS RESULTS SUMMARY (mg/kg)

Element	Date Analysis	Result	Soil Cleanup Criteria	MDL
Aluminum	12/22/98	7400	NLE	1.66
Antimony	12/22/98	ND	14	0.331
Arsenic	12/22/98	7.98	20	0.331
Barium	12/22/98	11.3	700	0.083
Beryllium	12/22/98	0.672	1	0.083
Cadmium	12/22/98	ND	1	0.083
Calcium	12/22/98	125	NLE	3.31
Chromium	12/22/98	59.6	NLE	0.083
Cobalt	12/22/98	1.79	NLE	0.083
Copper	12/22/98	2.11	600	0.497
Iron	12/22/98	20700	NLE	1.66
Lead	12/22/98	4.27	100	0.331
Magnesium	12/22/98	1650	NLE	3.31
Manganese	12/22/98	33.5	NLE	0.083
Mercury	12/31/98	0.028	14	0.022
Nickel	12/22/98	4.89	250	0.083
Potassium	12/22/98	3230	NLE	3.31
Selenium	12/22/98	ND	63	0.497
Silver	12/22/98	ND	110	0.497
Sodium	12/22/98	87.5	NLE	3.31
Thallium	12/22/98	ND	2	0.497
Vanadium	12/22/98	49.8	370	0.166
Zinc	12/22/98	40.4	1500	0.166

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

000548

APPENDIX E

Soil Boring Logs



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B01

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-08-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON
M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, medium/fine - light brown/lt.tan					
6	4124.02	1		0920	0.0-PPM			
12								
18	4124.03	2		0920	0.0-PPM			
24			SAND, medium/fine - light brown/lt.tan with some small round gravel					
30								

03-03-1999 X:\MTECH5\CW3\CW3-B01.BOR

000019



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B02

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-08-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON
M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, medium/fine - light brown/light olive green with some small rounded gravel					
6	4124.04	1		0943	0.0-PPM			
12								
18	4124.05	2		0943	0.0-PPM			
24								
30								
36								
42								

03-04-1999 X:\MTECH5\CW3\CW3-B02.BOR

000020



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B03

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-08-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON
M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, medium/fine - light brown/light olive green with some small rounded gravel					
6								
12	4124.06	1		1008	0.0-PPM			
18								
24	4124.07	2		1008	0.0-PPM			
30								
36								
42								

03-04-1999 X:\MTECH\H\CW3\CW3-B03.BOR

000021



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B04

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-08-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON
M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - orange					
6	4124.08	1	SAND, fine/ medium - tan/light olive green	1027	0.0-PPM			
12								
18	4124.09	2	SAND, fine - olive green with coal fragments	1027	0.0-PPM			
24								
30								
36								
42								

03-03-1999 X:\MTECH5\CW3\CW3-B04.BOR

000022



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B05

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-08-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON
M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine/ medium - orange/light olive green					
6								
12	4124.10	1		1047	0.0-PPM			
18								
24	4124.11	2		1047	0.0-PPM			
30			SAND, fine - dark olive green with coal fragments and glass					
36								
42								

09-03-1999 X:\MTECH5\CW3\CW3-B05.BOR

000023



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B06

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-08-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON

M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine/ medium - light brown/ orange					
6								
12	4124.12	1		1115	0.0-PPM			
18	4124.13	2		1115	0.0-PPM			
24			SAND, fine - olive green					
30								
36								

03-03-1999 X:\MTECH5\CW3\CW3-B06 BOR

000024



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B07

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-08-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON

M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine/ medium - orange / light brown					
6	4124.14	1		1138	0.0-PPM			
12								
18	4124.15	2		1138	0.0-PPM			
24								
30								
36								
42								

03-03-1999 X:\MTECH5\CW3\CW3-B07.BOR

000025



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B08

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-08-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON
M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine/ medium - light brown / orange					
6								
4124.16	1			1155	0.0-PPM			
12								
18	4124.17	2		1155	0.0-PPM			
			CINDERS					
24								
30								
36								

03-03-1999 X:\MTECH5\CW3\CW3-B08.BOR

000026



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B09

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON
M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine/ medium - orange					
6								
12	42128.02	1		0930	0.0-PPM			
18	4128.03	2	SILTY SAND, fine - olive green with coal fragments	0930	0.0-PPM			
24								
30								
36								
42								

03-03-1999 X:\MTECH5\CW3\CW3-B09.BOR

000027



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B10

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U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 12-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine/ medium - orange					
6								
12	4128.04	1		0950	0.0-PPM			
18			SILTY SAND, fine - olive green with coal fragments					
24	4128.05	2		0950	0.0-PPM			
30								
36								

03-03-1999 X:\MTECH5\CW3\CW3-B10.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B11

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U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON

M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - orange					
6								
12	4128.06	1		1007	0.0-PPM			
18	4128.07	2		1007	0.0-PPM			
24			SILTY SAND, fine - olive green with coal fragments					
30								
36								

03-03-1999 X:\MTECH5\CW3\CN3-B11.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B12

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U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 12-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - orange					
6								
12	4128.08	1		1040	0.0-PPM			
18								
24	4128.09	2		1040	0.0-PPM			
30			CINDERS SILTY SAND, olive green with coal fragments					
36								
42								

03-03-1999 X:\MTECH5\CW3\B12.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B13

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON
M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine/ medium - orange					
6								
12	4128.10	1		1050	0.0-PPM			
18			SAND, fine - olive green					
24	4128.11	2		1050	0.0-PPM			
30			CINDERS and coal material					
36								

03-03-1999 X:\MTECH5\CW3\CW3-B13.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B14

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 12-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - brown / orange					
6								
12	4128.12	1		1110	0.0-PPM			
18	4128.13	2	SANDY SILT, fine - olive green	1110	0.0-PPM			
24								
30								
36								
42								

03-03-1999 X:\MTECH5\CW3\CW3-B14.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B15

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON
M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine/ medium - brown / light olive green with coal fragments and glass					
6	4128.14	1		1125	0.0-PPM			
12								
18	4128.15	2		1125	0.0-PPM			
24								
30								

03-04-1999 X:\MTECH5\CW3\CW3-B15.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B16

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON

M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine/ medium - brown / light olive green with coal fragments and glass					
6	4128.16	1		1143	0.0-PPM			
12								
18	4128.17	2		1143	0.0-PPM			
24								
30								

03-05-1999 X:\MTECH5\CW3\CW3-B16.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B17

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON
M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, with some silt - orange					
6								
12	4128.18	1		1350	0.0-PPM			
18								
24	4128.19	2		1350	0.0-PPM			
30								
36								
42								

03-03-1999 X:\MTECH5\CW3\CW3-B17.BOR

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U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING CW-3-B18

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

DATE COMPLETED : 12-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON
M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, with some silt - orange					
6								
4128.20		1		1408	0.0-PPM			
12								
18								
4128.21		2		1408	0.0-PPM			
24								
30								
36								
42								

03-03-1999 X:\MTECH5\CW3\CW3-B18.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B19

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON

M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - brown with some small round and angular gravel					
6								
12	4128.22	1		1420	0.0-PPM			
18								
24	4128.23	2		1420	0.0-PPM			
30								
36								

03-04-1999 X:\MTECH5\CW3\CW3-B19.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B20

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON

M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - orange with some small round gravel					
6								
12	4128.24	1		1435	0.0-PPM			
18	4128.25	2	COAL and Cinder Material	1435	0.0-PPM			
24			SILTY CLAY, and SAND, fine - dark olive green iron stained					
30			SAND, medium/coarse - tan with some small round gravel					
36			SILTY SAND, fine - brown					
42								

03-03-1998 X:\MTECH\5\CW3\B20.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B21

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U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON
M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, medium/fine - brown / orange					
6	4128.26	1		1446	0.0-PPM			
12								
18	4128.27	2	SILTY SAND, fine - olive green	1446	0.0-PPM			
24			Coal and Cinder material					
30								
36								

03-03-1999 X:\MTECH5\CW3\CW3-B21.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B22

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U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 12-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJ DEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - orange					
6								
12	4128.28	1		1505	0.0-PPM			
18	4128.29	2	Cinder and Coal	1505	0.0-PPM			
24								
30								
36								

03-03-1999 X:\MTECH5\CW3\CW3-B22.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B23

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U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-09-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON
M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - light brown / orange					
6	4128.30	1		1520	0.0-PPM			
12								
18	4128.31	2	Loamy black material and Cinders	1520	0.0-PPM			
24								
30								
36								
42								

03-03-1999 X:\MTECH5\CW3\B23.BOR

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U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING CW-3-B24

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U.S. ARMY
FT. MONMOUTH N.J.
SELFM- PW-EV

DATE COMPLETED : 12-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON

M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine/ medium - tan / orange					
6								
4140.02	1			0955	0.0-PPM			
12								
18	4140.03	2	SAND, fine/ medium - light olive green with some small gravel	0955	0.0-PPM			
24								
			Cinders					
30								
36								

03-03-1999 X:\MTECH5\CW3\CW3-B24.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B25

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U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON
M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - tan					
6								
12	4140.04	1		1018	0.0-PPM			
18	4140.05	2	SAND, with cinders, glass and wood material	1018	0.0-PPM			
24								
30								
36								

09-03-1999 X:\MTECH5\CW3\CW3-B25.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B26

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 12-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine/ medium - tan / brown with some small round gravel and <1% coal fragments					
6	4140.06	1		1040	0.0-PPM			
12								
18	4140.07	2		1040	0.0-PPM			
24								
30								
36								
42								

03-03-1999 X:\MTECH5\CW3\CW3-B26.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B27

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U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 12-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - brown (Native Soils)					
6								
12	4140.08	1		1100	0.0-PPM			
18	4140.09	2		1100	0.0-PPM			
24								
30								
36								
42								

03-03-1999 X:\MTECH5\CW3\CW3-B27.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B28

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U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 12-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SANDY SILT, tan / orange with 35% smallround quartz gravel					
6	4140.10	1		1126	0.0-PPM			
12								
18	4140.11	2		1126	0.0-PPM			
24								
30								
36								
42								

03-03-1999 X:\MTECH5\CW3\CW3-B28.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B29

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON
M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SANDY SILT, fine - with some small round quartz gravels					
6								
12	4140.12	1	(Native Soils)	1140	0.0-PPM			
18								
24	4140.13	2		1140	0.0-PPM			
30								
36								
42								

03-04-1999 X:\MTECH5\CW3\CW3-B29 BOR

000047



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B30

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U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON

M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SANDY SILT, fine - with some small round quartz gravels					
6								
12	4140.14	1		1158	0.0-PPM			
18			(Native Soils)					
24	4140.15	2		1158	0.0-PPM			
30								
36								
42								

03-04-1999 X:\MTECH5\CW3\CW3-B30.BOR

000048



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B31

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON
M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SANDY SILT, fine - with some small round quartz gravels					
6	4140.16	1	(Native Soils)	1324	0.0-PPM			
12								
18	4140.17	2		1324	0.0-PPM			
24								
30								
36								
42								

03-04-1999 X:\MTECH\BOW\CW3-B31.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B32

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON
M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - light brown with round gravel and <2% Coal fragments					
6								
12	4140.18	1		1342	0.0-PPM			
18	4140.19	2	Cinders	1342	0.0-PPM			
24								
30								
36								
42								

03-04-1999 X:\MTECH5\CW3\CW3-B32.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B33

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 12-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - brown					
6			Cinders					
4140.20	1			1400	0.0-PPM			
12								
18	4140.21	2		1400	0.0-PPM			
24								
30								
36								

03-03-1999 X:\MTECH\BCW3\CW3-B33.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B34

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 12-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - tan with some round gravel					
6								
12	4140.22	1		1420	0.0-PPM			
18			Cinders					
24	4140.23	2		1420	0.0-PPM			
30								
36								
42								

03-03-1999 X:\MTECH\B34\CW3-B34.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B35

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 12-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - brown with some round gravel					
6	4140.24	1		1435	0.0-PPM			
12								
18	4140.25	2		1435	0.0-PPM			
24								
30			Cement					
36								

03-04-1999 X:\MTECH5\CW3\CW3-B35.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B36

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON

M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - orange / light brown					
6	4140.26	1		1500	0.0-PPM			
12								
18	4140.27	2		1500	0.0-PPM			
24			Cinders					
30								
36								
42								

03-03-1999 X:\MTECH\SCW3\CW3-B36.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B37

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 12-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			Mostly sands and Woody material					
6	4140.28	1		1514	0.0-PPM			
12								
18	4140.29	2		1514	0.0-PPM			
24								
30								
36								
42								

03-03-1999 X:\MTECH5\CW3\CW3-B37.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B38

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-14-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON

M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - brown with roots					
6	4140.30	1		1525	0.0-PPM			
12								
18	4140.31	2	Mostly sands and Woody material	1525	0.0-PPM			
24								
30								
36								
42								

03-03-1999 X:\MTECH\5\CW3\CW3-B38.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B39

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 12-15-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - orange					
6								
12	4141.02	1	Native Soils (Native Fill?)	0920	0.0-PPM			
18	4141.03	2		0920	0.0-PPM			
24								
30								
36								
42								

03-03-1999 X:\MTECH5\CW3\B39.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B40

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 12-15-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SILTY SAND, fine/ medium - with some clay and round quartz gravel					
6			(NATIVE)					
12	4141.04	1		1000	0.0-PPM			
18	4141.05	2		1000	0.0-PPM			
24								
30								
36								
42								

03-04-1999 X:\MTECH5\CW3\B40.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B41

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 12-15-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SILTY SAND, fine/ medium - with some clay and round quartz gravel					
6			(NATIVE)					
12	4141.06	1		1020	0.0-PPM			
18	4141.07	2		1020	0.0-PPM			
24								
30								
36								
42								

03-03-1999 X:\MTECH5\CW3\CW3-B40.BOR

000059



U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B42

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-15-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON

M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SILTY SAND, fine/ medium - with some clay and round quartz gravel					
6			(NATIVE)					
4141.08	1			1100	0.0-PPM			
12								
18	2			1100	0.0-PPM			
24								
30								
36								
42								

03-03-1999 X:\MTECH5\CW3\CW3-B41.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B43

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-15-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON

M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - tan					
6								
12	4141.10	1	CINDERS	1118	0.0-PPM			
18	4141.11	2	SILTY SAND, fine - tan / orange with some small round gravel	1118	0.0-PPM			
24								
30								
36								

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B44

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-15-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON

M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - tan					
6								
4141.12	1		CINDERS	1130	0.0-PPM			
12								
18	4141.13	2	SILTY SAND, fine - tan / orange with some small round gravel	1130	0.0-PPM			
24								
30								
36								

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B45

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

JOSEPH FALLON

M-4 LANDFILL

DATE COMPLETED : 12-15-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - tan with some small angular and round gravels					
6	4141.14	1		1150	0.0-PPM			
12								
18	4141.15	2	SAND, fine - olive green / light tan	1150	0.0-PPM			
24								
30								

03-03-1999 X:\MTECH\BOW3\CW3-B45.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B46

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-15-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON

M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - tan / orange with some small round quartz gravel					
6								
12	4141.16	1		1305	0.0-PPM			
18								
24	4141.17	2		1305	0.0-PPM			
30								
36								
42								

03-03-1999 X:\MITECH5\CW3\CW3-B46.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B47

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-15-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON

M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - orange					
6								
12	4141.18	1		1325	0.0-PPM			
18	4141.19	2		1325	0.0-PPM			
24								
30								
36								
42								

03-03-1999 X:\MTECH5\CW3\CW3-B47.BOR

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U.S. ARMY
FORT MONMOUTH
SELF-M-PW-EV

LOG OF BORING CW-3-B48

(Page 1 of 1)

U.S. ARMY
FT. MONMOUTH N.J.
SELF-M-PW-EV

DATE COMPLETED : 12-15-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER :

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC.# : J1486

JOSEPH FALLON

M-4 LANDFILL

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	OVA			
0			SAND, fine - orange					
6								
12	4141.20	1		1345	0.0-PPM			
18	4141.21	2		1345	0.0-PPM			
24								
30								
36								
42								

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APPENDIX F

Compliance Average Area Names

Appendix F
Compliance Average Area Names
CW3A Landfill
Fort Monmouth, New Jersey

Compliance Area Name: **AREA SVOC-2** **Boring ID**

B05

B05

Compliance Area Name: **AREA SVOC-3** **Boring ID**

B01

B01

B02

B02

B03

B03

B04

B04