REMEDIAL ACTION WORK PLAN

LANDFILL M-5

MAIN POST
FORT MONMOUTH, NEW JERSEY

FEBRUARY 2000

PROJECT NO.: 02711.00002
CONTRACT NO.: DACA51-96-D-0018

VOLUME 1 OF 4

REPORT, FIGURES, TABLES,
APPENDIX A, APPENDIX B,
AND APPENDIX C (PART 1)

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PREPARED FOR:

UNITED STATES ARMY, FORT MONMOUTH, NEW JERSEY
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CERTIFICATION

For: Remedial Action Work Plan, M5 Landfill Site, Fort Monmouth, New Jersey

"I certify under penalty of law that the information provided in this document is true, accurate, and complete to the best of my knowledge. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties."

Joseph Fallon Environmental Protection Specialist **Name, Title**	Joseph M. Fallon **Signature**	2/29/00 **Date**

"I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete to the best of my knowledge. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties."

Mark H. Johnson, LTC, MI **Name, Title**	Mark H. Johnson **Signature**	24 Feb 00 **Date**

This Remedial Action Work Plan has been reviewed and approved.

Ian Curtis Case Manager NJDEP, Bureau of Federal Case Management **Name, Title**	**Signature**	7/31/2000 **Date**

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EXECUTIVE SUMMARY

In April 1995 the Fort Monmouth Directorate of Public Works (DPW) began its Remedial Investigation of Landfill M-5 at Fort Monmouth – Main Post. The purpose of this investigation was to collect samples in order to evaluate the soil, groundwater and surface water quality at and in the vicinity of the Landfill M-5, and to prepare a Remedial Action Work Plan (RAWP) to address the need for remediation of these media, if necessary. In general, the Remedial Investigation was conducted by the DPW. ATC Associates, Inc. (ATC) was contracted by the DPW to evaluate the data, and to prepare this RAWP for Landfill M-5.

This Remedial Investigation involved drilling and sampling 261 Geoprobe soil borings for soil and groundwater, installing 12 new shallow groundwater monitoring wells, drilling three deep soil borings, and sampling two groundwater monitoring wells for eleven events, three groundwater monitoring wells for six events, and ten groundwater monitoring wells for three events. The results of this investigation indicate that the shallow groundwater contained volatile organic compounds (VOCs), particularly tetrachloroethene (PCE), in excess of the New Jersey Department of Environmental Protection (NJDEP) Groundwater Quality Criteria (GWQC).

The concentrations and distribution of PCE in the soil and groundwater at Landfill M-5 suggest that this location is suitable for a Natural Remediation program. In general, PCE concentrations are expected to come into compliance with the New Jersey Department of Environmental Protection's (NJDEP) Class II Groundwater Quality Criteria (GWQC) within a five year period, and the PCE contamination is expected to migrate approximately 54 feet during this time frame.

Although PCE concentrations are expected to naturally attenuate to acceptable levels, the DPW wishes to shorten the time required for compliance with the GWQC. Therefore, the DPW proposes to actively remediate existing concentrations of PCE by treating the affected areas with Hydrogen Releasing Compound (HRC). The DPW is proposing a specific application protocol and a groundwater sampling program designed to measure the effectiveness of groundwater remediation.

1.0 REMEDIAL INVESTIGATION REPORT

This document is a Remedial Action Work Plan (RAWP) for the soils and groundwater at Landfill M-5, located on the Main Post of Fort Monmouth, New Jersey (Figures 1 and 2). It has been prepared by ATC Associates, Inc. (ATC), on behalf of the Fort Monmouth Directorate of Public Works (DPW), and is based on the data presented in the December 1995 *Site Investigation Report* (SIR), by Roy F. Weston, Inc. (Weston), as well as groundwater and surface water sampling data collected by the DPW between May 8, 1997 and September 14, 1999 and soil sampling data collected by the DPW between April 8, 1998 and March 30, 1999. This RAWP has been prepared in accordance with the New Jersey Department of Environmental Protection's (NJDEP) July 1993 *Technical Requirements for Site Remediation - NJAC 7:26E* (Technical Requirements).

1.1 Historical Information

According to the Weston SIR, Landfill M-5 was in use as a landfill between 1952 and 1959. Materials generally found in Main Post landfills include unwashed pesticide/herbicide cans, batteries, fluorescent tubes, electronic components, garbage, asbestos wrappings from pipes, soot and boiler scale, sludge from sanitary treatment plants (STPs), small quantities of outdated drugs, outdated photographic chemicals in glass bottles, building rubble including asbestos-containing materials (ACM), incinerator ash, sand from oil spill cleanups, and other debris. Landfill M-5 also was reportedly used for the disposal of automobiles.

1.2 Physical Setting

1.2.1 Site Description

Landfill M-5 is located on the western portion of the Main Post, just west of the Eatontown/Oceanport Borough line. The site is located on the northwest corner of the intersection of North Drive and Wilson Avenue, and is bound by Mill Creek to the west (Figure 2). The approximate area of Landfill M-5 is 138,200 ft^2 (3.2 acres). This landfill was constructed in a former swamp, and is presently flat and grass covered.

1.2.2 Regional Geology

Fort Monmouth is located within the New Jersey Section of the Atlantic Coastal Plain physiographic province. In general, New Jersey Coastal Plain formations consist of northeast striking deposits of unconsolidated clay, silt, and gravel. 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.

Over 20 regional geologic units are present within the sediments of the New Jersey 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 vary greatly (i.e., from several feet to several hundred feet).

1.2.3 Local Geology

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

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

The boring logs from the on-site monitoring wells installed between December 1994 and March 1999, indicate that the soils in Landfill M-5 area and in the vicinity of Landfill M-5 consist of a thin soil cover of brown sandy silt (approximately one foot thick) underlain by approximately seven feet of olive/brown poorly graded sand with silt. This is in turn underlain by an 8-foot layer (8- to 16-feet below grade) of green/brown sandy silt. A dark green dense to very dense silty sand/clayey sand, with clay contents increasing with depth, extends from 16- to at least 60-feet below grade or the depth of the borings.

Over the last 80 years, the natural topography of Fort Monmouth has been altered by excavation and filling activities by the military. Topographic elevations for Landfill M-5 range from 10 feet above mean sea level (MSL) to 15 feet above MSL.

1.2.4 Hydrogeology

The water table aquifer in the Main Post area is identified as part of the "composite confining units", or minor aquifers. The minor aquifers include the Navesink formation, Red Bank Sand, Tinton Sand, Hornerstown Sand, Vincentown Formation, Manasquan Formation, Shark River Formation, Piney Point Formation, and the basal clay of the Kirkwood Formation.

Based on records of wells drilled in the Main Post area, groundwater is typically encountered at depths of 2 to 9 feet below ground surface (bgs). According to the boring logs from monitoring wells drilled at Landfill M-5, groundwater was encountered on-site between 4 foot to 8-foot bgs, during drilling activities. According to groundwater monitoring data collected during quarterly monitoring events performed at Landfill M-5 between May 8, 1997 and September 14, 1999, groundwater was encountered on site at depths between 1.40 feet to 11.59 feet. Groundwater monitoring data for the last four monitoring events – February 2, 1999, April 13, 1999, April 27,

1999, and September 13, 1999 – were used to generate groundwater elevation contour maps (Figures 3 through 6). For these groundwater monitoring events, groundwater flow was calculated to be toward the west-northwest, consistent with the Weston SIR, which reported that the site-specific groundwater flow direction was estimated to be west toward Mill Creek. Due to the proximity of the Atlantic Ocean to Fort Monmouth, shallow groundwater may be tidally influenced and may flow toward creeks and brooks as the tide goes out, and away from creeks and brooks as the tide comes in.

According to Jablonski, wells drilled in the Red Bank and Tinton Sands may produce 2 to 25 gallons per minute (gpm). Monitoring well MW-10 reportedly produced 5.0 gpm, MW-11 produced 1.5 gpm, and M5MW-19 produced approximately 3.2 gpm during the pump test. Some well owners have reported acidic water that requires treatment to remove iron.

1.3 Technical Overview

1.3.1 Reliability of Laboratory Data

The soil and groundwater samples collected during Geoprobe drilling activities and the surface water and groundwater samples collected during quarterly sampling events were analyzed within the requisite holding times by Fort Monmouth Environmental Testing Laboratory, Fort Monmouth, New Jersey (NJDEP Certification # 13461).

1.3.2 Summary of Contamination

In five of the 261 soil samples collected from Landfill M-5, tetrachloroethene (PCE) was detected at concentrations exceeding New Jersey Department of Environmental Protection's (NJDEP) Impact to Groundwater Soil Cleanup Criteria (IGWSCC) of 1.0 milligram per kilogram (mg/kg), equivalent to parts per million (ppm).

In five of the monitoring wells in the Landfill M-5 area, PCE was detected at concentrations exceeding the NJDEP Class II Groundwater Quality Criteria (GWQC) of 1.0 microgram per liter (μg/L), equivalent to parts per billion (ppb).

Detailed descriptions of the soil, groundwater, and surface water impacts in the Landfill M-5 area are presented in Section 1.5 of this document.

1.4 Remedial Investigation Methodology

1.4.1 Geoprobe Borings/ Soil and Groundwater Sampling

Between April 8, 1998 and December 17, 1998, a total of 261 Geoprobe points were drilled (B1 through B197 and B254 through B318). One soil and groundwater samples were collected from each Geoprobe location. The purpose of collecting groundwater samples using the Geoprobe was to provide a screening tool for determining the gross distribution of groundwater impacts. This data was confirmed through the installation of permanent monitoring wells, as described in

Sections 1.4.3 and 1.4.4. The methodologies for collecting these soil and groundwater samples are presented as Appendix A.

1.4.2 Soil Borings

In order to determine the vertical extent of soil contamination, and in an attempt to determine the source of soil and groundwater impacts encountered during Geoprobe sampling, on March 25, 1999, March 30, 1999, and March 31, 1999, three 2-inch soil borings were drilled at M5 area. Soil borings M5SB17 and M5SB20 were advanced to a depth of approximately 60 feet and soil boring M5SB23 was advanced to a depth of approximately 42 feet. A hollow stem auger drill rig was used to advance the boring at each location. Continuous split-spoon samplers were advanced in each boring. Soil samples were collected continuously in each boring using a two-foot long, two-inch diameter split-spoon sampler that was advanced under the weight of a 140-pound hammer. Each split-spoon was visually inspected, field screened using a photoionization detector (PID) or a flame ionization detector (FID), and logged for lithology in the field. Soil boring locations are shown on Figure 7, and boring logs are included in Appendix B.

Fourteen soil samples were collected and analyzed for total organic carbon concentrations, eight soil samples were collected and analyzed for grain size analysis, and five soil samples were analyzed for volatile organic compounds, including xylenes and 15 tentatively identified compounds (VOC+15). Analytical data reports are included as Appendix C.

After completion, each boring was abandoned by tremie-grouting the boring from the bottom to the ground surface with a cement/bentonite mixture, per NJDEP requirements.

1.4.3 Monitoring Well Installation

Three monitoring wells – MW-10, MW-11, and M8MW-12 – were installed in 1995 by Weston during site investigation field activities. Well logs and well construction were included in Weston's SIR. In an attempt to delineate the groundwater contamination in the direction of Mill Creek, the potential receptor, three groundwater monitoring wells – MW-12, MW-13, and MW-14 – were drilled and installed between August 27, 1998 and August 31, 1998. A hollow stem auger drill rig was used to advance the boring at each well location. The wells were constructed of 2-inch diameter schedule 40 PVC screen and casing, and were installed at depths between approximately 15 feet to approximately 20 feet below surface grade. The screen interval in each well extends from approximately 5 feet to the bottom of the well. The annular space surrounding the screen was filled with #2 grade sand to a level at least one foot above the top of the screen in each well. The remainder of the annular space surrounding each well was filled with cement/bentonite grout to surface. Each monitoring well was finished with approximately 2.5 feet PVC casing above land surface protected by a 6-inch steel protective casing. Upon completion, the monitoring wells were developed, using a submersible pump, until the ground water was visibly free of sediments. The wells were installed and developed by Groundwater and Environmental Services, Inc., a licensed New Jersey drilling company. The monitoring wells were installed in accordance with standard NJDEP procedures for the installation of wells in unconsolidated materials. Monitoring well locations are shown on Figure 2.

In order to confirm the results of the Geoprobe soil and groundwater investigation, between March 24, 1999 and March 30, 1999, nine additional monitoring wells (M5MW-15, M5MW-16, M5MW-18, M5MW-19, M5MW-20, M5MW-23, M5MW-25, M8MW-23, and M8MW-24) were installed at Landfill M-5 and immediately adjacent to Landfill M-5. Locations of these monitoring wells are shown on Figure 2. A hollow stem auger drill rig was used to advance the boring at each well location. Soil samples were collected using a two-foot long, two-inch diameter split-spoon sampler that was advanced under the weight of a 140-pound hammer. Each split-spoon was visually inspected, field screened using a photoionization detector (PID) or a flame ionization detector (FID), and logged for lithology in the field.

The wells were constructed of 4-inch diameter schedule 40 PVC screen and casing, and were installed at depths between approximately 14 feet to approximately 18 feet below surface grade. The screen interval in each well extends from approximately 3 to 5 feet to the bottom of the well. The annular space surrounding the screen was filled with #2 grade sand to a level at least one foot above the top of the screen in each well. The remainder of the annular space surrounding each well was filled with cement/bentonite grout to surface. Each monitoring well was finished with approximately 3.0 feet PVC casing above land surface protected by a 6-inch steel protective casing. Upon completion, the monitoring wells were developed, using a submersible pump, until the ground water was visibly free of sediments. The wells were installed and developed by Lutz Environmental Inc., a licensed New Jersey drilling company, under the direct supervision of the ATC professional geologist. The monitoring wells were installed in accordance with standard NJDEP procedures for the installation of wells in unconsolidated materials. Monitoring well logs and construction details are included as Appendix B and monitoring well records are attached in Appendix D.

1.4.4 Groundwater Monitoring and Sampling

Between May 8, 1997 and September 14, 1999, during ten consecutive quarters, 11 rounds of groundwater sampling events were performed at monitoring wells MW-10 and MW-11, six rounds of sampling events were performed at MW-12, MW-13, and MW-14 during four consecutive quarters, and three rounds of sampling events were performed at M5MW-15, M5MW-16, M5MW18, M5MW19, M5MW20, M5MW23, M5MW25, M8MW12, during two consecutive quarters. Also, between May 8, 1997 and September 14, 1999, 12 rounds of sampling events were performed at M8MW12 during ten consecutive quarters, and three rounds of sampling events were performed at M8MW23, M8MW24 during two consecutive quarters. Sampling events were performed in accordance with the NJDEP's *Field Sampling Procedures Manual* (May 1992), and the DPW - Standard Operation Procedure (SOP). For groundwater sampling procedures and methodology please refer to Appendix A. Groundwater monitoring and sampling field notes for May 8, 1997 are included in Appendix F, for August 8, 1997 in Appendix G, for October 29, 1997 in Appendix H, for February 18, 1998 in Appendix I, for May 6, 1998 in Appendix J, for August 4, 1998 in Appendix K, for October 7, 1998 in Appendix L, for October 21, 1998 in Appendix M, for October 27, 1998 in Appendix N, for February 2, 1999 in Appendix O, for April 13, 1999 in Appendix P, for April 27, 1999 in Appendix Q, and for September 13-14, 1999 in Appendix R.

Groundwater samples were preserved, chilled to 4°C, and delivered to Fort Monmouth Environmental Testing Laboratory, Fort Monmouth, New Jersey, where they were analyzed for volatile organic compounds (VOC+15), semivolatile organic compounds (SVOC+15), priority pollutant metals, pesticides, and polychlorinated biphenyls (PCBs).

1.4.5 Survey of the Monitoring Wells

The newly installed monitoring wells MW-12, MW-13, MW-14, M5MW-15, M5MW-16, M5MW-18, M5MW-19, M5MW-20, M5MW-23, M5MW-25, M8MW-23, and M8MW-24, were surveyed relative to NJGCS Monument Number 9235, with an elevation of 56.69 feet, by Frederick W. Kocen Jr., Professional Land Surveyor (License # 34008). Copies of the Ground Water Monitoring Well Certification - Form B - Location Certifications are attached in Appendix S.

1.4.6 Surface Water Sampling

Three surface water bodies – Parkers Creek, Lafetra Creek, and Mill Creek – flow near or adjacent to the Landfill M-5 site. Due to salinity concentrations greater than 3.5 parts per thousand at mean high tide, the surface water of these creeks are classified as SC - coastal saline waters and SE - saline waters of estuaries. Surface water sample SS-5 is located to the west of Landfill M-5, near the confluence of Mill Creek and Lafetra Creek. Surface water sample SS-4 is located to the northeast and downstream of Landfill M-5, along Parkers Creek. Sampling points SS-15 and SS-16 are located upstream from Landfill M-5, along Mill Creek. Between October 1996 and June 1999, periodic rounds of samples were collected from several surface water sampling points along these water bodies.

1.4.7 Aquifer Pump Testing

An aquifer testing program was conducted on June 14, 1999 to evaluate the hydraulic conductivity of the shallow aquifer. In-situ hydraulic conductivity of the shallow, saturated, unconsolidated materials underlying the site was determined by means of a constant discharge aquifer test.

Groundwater level data was collected from five groundwater monitoring wells (M5MW-16, M5MW-18, M5MW-20, M5MW-11, and M5MW-23 prior to the pumping test. Groundwater monitoring well M5MW-19 was chosen as the pumping well, and a submersible pump was suspended approximately 2 feet from the bottom of the well. Water level in the five monitoring wells were monitored during the test, the groundwater being measured manually using an electronic water level indicator. The pumping well was monitored using a pressure transducer and an electronic datalogger. Wells measured manually were checked every 15 minutes for the first hour and every 30 minutes until the end of the test. Immediately upon pump shutdown, recovery was measured with a data logger in the pumping well for approximately 35 minutes.

1.5 Remedial Investigation Results

1.5.1 Soil Quality

Between April 1998 and December 1998, a total of 261 soil samples were collected using a Geoprobe rig. The samples were collected from six inch interval above the water table interface, at depths ranging from 17 to 142 inches below ground surface (bgs). Laboratory analysis results are summarized on Table 1. Volatile organic compound (VOC) analysis revealed that only tetrachloroethene (PCE) was present in concentrations exceeding the NJDEP Impact to Groundwater Soil Cleanup Criteria (IGWSCC). PCE concentrations ranging from 0.320 to 3.300 milligrams per kilogram (mg/kg) were detected. Five soil samples were found to contain levels of PCE greater than 1 mg/kg (the IGWSCC for PCE). Concentrations of PCE in these five soil samples ranged from 1.1 mg/kg to 3.3 mg/kg, and are mapped on Figure 7. The analytical results are presented as Table 1, and the analytical data is included in Appendix C.

As per N.J.A.C. 7:26E-4.8, the average concentration for PCE was calculated to be 1.15 mg/kg, for the contaminated area (soil borings numbers 39, 40, 41, 68, 69, 70, 71, and 72). It is important to note that these exceedances are very minor relative to NJDEP-IGWSCC, and their detection immediately above the water table is likely indicative of impacted groundwater during the seasonal water table fluctuation rather than a soil source.

In addition to the soil samples discussed above, in a attempt to vertically delineate PCE concentrations in soil, three deep soil borings were advanced in March 1999 using a hollow stem auger drill rig. Soil samples were taken from various depths between 9 and 42 feet bgs at two of these borings, M5SB17 and M5SB23. At several depths, acetone and methylene chloride were detected in the soil at concentrations above their respective NJDEP IGWSCC; however, these analytes were also detected at elevated levels in associated method blanks and trip blanks. No other analytes were detected at levels exceeding their respective NJDEP IGWSCC. A summary of soil sampling analytical results is included in Table 1, and analytical data reports are included as Appendix C.

1.5.2 Groundwater Quality

Between April and December 1998, a total of 261 groundwater samples were collected using a Geoprobe technique (hydropunch). Laboratory analysis results are summarized on Table 2. VOC analysis revealed that trichlorothene (TCE), PCE, cis-1,2-dichloroethene, chlorobenzene, benzene, toluene, ethylbenzene, and total xylenes were present in concentrations above their respective method detection limits. Of these, TCE, PCE, cis-1,2-dichloroethene, chlorobenzene, and benzene were detected at concentrations exceeding their respective NJDEP GWQCs. TCE concentrations between 1.54 µg/L and 4.40 µg/L were detected in six Geoprobe locations. PCE concentrations between 1.00 µg/L and 1459.64 µg/L were detected at 105 Geoprobe locations across the site. Cis-1,2-dichloroethene concentrations between 0.48 µg/L and 16.47 µg/L were detected at 10 Geoprobe locations. Chlorobenzene concentrations between 2.01 µg/L and 73.23 µg/L were detected at five Geoprobe locations. Benzene concentrations were reported at concentrations between 1.13 µg/L and 15.89 µg/L in nine Geoprobe locations located north of

Landfill M-5, at Landfill M-8. Toluene concentrations between 1.26 μg/L and 18.11 μg/L were reported at nine Geoprobe locations. Ethylbenzene concentrations between 1.13 μg/L and 5.70 μg/L were reported at seven Geoprobe locations. Total xylene concentrations between 1.52 μg/L and 16.82 μg/L were reported at 10 locations. These exceedances are mapped on Figure 8. Analytical data is presented as Appendix E.

Eleven rounds of groundwater monitoring well sampling events were conducted between May 1997 and September 1999. A total of fifteen monitoring wells located on and around Landfill M-5, were sampled. With the exception of groundwater monitoring wells MW-10, MW-11, and M8MW12 not every well was sampled for each round of sampling. Historically, separate phase hydrocarbons were not reported in any of the monitoring wells. The historical analytical results for each well are presented in Tables 3 through 17. Eight VOCs, four semivolatile organic compounds (SVOCs), and 23 metals were detected above their respective method detection limits in at least one sampling round apiece. Of these, tetrachloroethene (PCE) and ten metals (aluminum, arsenic, cadmium, iron, lead, manganese, sodium, mercury, silver, and zinc) were detected at concentrations exceeding their respective GWQCs. The PCE exceedances, ranging from 2.15 μg/L to 639.74 μg/L, are mapped on Figure 9. Five of the metals detected (aluminum, manganese, sodium, iron, and zinc) were found in concentrations below those determined for site-specific and Monmouth County maximum background levels. As mentioned in Weston's SIR, several natural and anthropogenic factors contribute to the wide range in concentrations of metals in soils. Soils derived from the glauconitic sands contain abundant iron, aluminum, calcium, magnesium, manganese, and potassium. Anthropogenic influences on the background metal concentrations include deposition of airborne dust, and historical applications of fertilizers, pesticides, and herbicides can account for the elevated levels of lead, cadmium, and arsenic. Silver was noted in several testing rounds at elevated levels; however, this analyte was also detected at elevated levels in associated method blanks. The last metal with a noted exceedance, mercury, was detected in one monitoring well located at Landfill M-8. This contaminant will be discussed in the Remedial Action Work Plan for Landfill M-8.

Historically, a decrease in PCE concentrations has been noted in all monitoring wells, except M5MW-15 and M5MW-16. In M5MW-15, PCE concentrations slightly increased from non-detect (ND) on April 14, 1999 and April 28, 1999 to 2.15 μg/L on September 13, 1999. In M5MW-16, PCE concentrations decreased from 96.57 μg/L on April 14, 1999 to 8.65 μg/L on April 28, 1999, then increased to 639.74 μg/L on September 14, 1999. In M8MW-12, PCE concentrations decreased from 4.27 μg/L on January 27, 1999 to ND on April 14, 1999 and April 28, 1999, then increased to 46.06 μg/L on June 22, 1999. Two other monitoring wells – MW-19 and MW-20 – have shown periodic increases in measured PCE concentrations, but the overall trend of these fluctuations is downward. Three PCE isopleth maps, from April 13 and 14, 1999, April 27 and 28, 1999, and September 13 and 14, 1999, sampling events are included as Figures 11, 12, and 13, respectively. The laboratory reports are included in Appendices F through R.

1.5.3 Surface Water Quality

Laboratory analysis results from the 14 rounds of surface water sampling are summarized on Table 18. VOC analysis revealed that acetone, cis-1,2-dichloroethene, methylene chloride, TCE,

and PCE were present in concentrations above their respective method detection limits. Of these, only PCE was detected at concentrations exceeding its NJDEP Surface Water Quality Standard (SWQS) of 4.29 μg/L (as per N.J.A.C. 7:9-6 2 - September 1997). PCE concentrations ranging from 1.24 μg/L to 10.38 μg/L were detected. The exceedances are mapped on Figure 9. Analytical data is presented in Appendix T.

Referring to Figure 9, the latest stream sampling data (from June 29, 1999) shows that PCE concentrations at SS-15 (7.86 μg/L) and SS-16 (7.70 μg/L) were reported at higher concentrations than surface water collected from SS-4 (5.27 μg/L) and SS-5 (6.04 μg/L). Since SS-15 is located close to where the stream enters Fort Monmouth, and since SS-15 and SS-16 are located upstream of Landfill M-5, it suggests that surface water is impacted prior to flowing into Fort Monmouth property and that Landfill M-5 is not contributing to the PCE contamination of Mill Creek. This conclusion is further supported by the fact that sentinel wells MW-12, MW-13, and MW-14, which are located along the edge of Mill Creek, historically have never shown any PCE contamination, indicating that the PCE plume has not extended to the creek.

1.5.4 Aquifer Pump Test Results

The objective of this test was to determine aquifer parameters (transmissivity and storativity) by pumping MW-19 and measuring water level drawdown in observation wells MW-11, MW-16, MW-18, MW-20, and MW-23. Monitoring well MW-19 was pumped continuously at an average rate of approximately 2.5 gallons per minute for a period of 150 minutes. The recovery of the water level in the pumping well was measured for 33 minutes. Water level response in the wells were measured and recorded using an In-Situ Inc. Model SE 1000B data logger equipped with a 10-psi pressure transducer.

During the test, drawdown recorded in the observation wells did not exceed 0.01 feet. Because sufficient drawdown was not noted in the recovery wells, a single well aquifer test method was selected to interpret the pumping well drawdown and recovery data. This methodology does not allow for the determination of aquifer storativity.

Data from the tests were downloaded to a personal computer by use of proprietary software supplied by In-Situ Inc., and were analyzed by use of Aquifer^{win32} (version 1.25, Environmental Simulations, Inc.). The Jacob (Cooper and Jacob, 1946) straight line approximation of the Theis equation was applied to the time-drawdown data for well MW-19 to determine aquifer transmissivity. The results of the constant rate aquifer tests are summarized on the following table:

Location	**Description of Test**	**Transmissivity (ft^2/day)**
MW-19	Single Well Drawdown	16.8
	Single Well Recovery	23.1

Water level responses and data interpretation are presented in Appendix U.

Because the recovery data is not influenced by perturbations in the pumping rate, it is assumed that a transmissivity of 23.1 ft^2/day is representative of the shallow unconfined aquifer.

1.6 Sensitive Receptor Survey

1.6.1 Well Search Data

All available DPW records and files were reviewed for information concerning wells within Fort Monmouth. Also, two Well Search reports prepared by Roy F. Weston, dated November 1993 and February 1994, were reviewed for information concerning wells within a one mile radius surrounding the center point of Landfill M-5. The well locations were plotted on a scaled map, included as Figure 14 and a well search summary is presented as Table 19.

The results of the well search indicate the following:

Monitoring Wells: 119 monitoring wells were identified within one mile of the site. These wells were completed at depths between ten and 28 feet, with open or screened intervals ranging between one and 28 feet.

Domestic Wells: Five domestic wells identified within one mile of the site. The depths of these wells ranged between 15 and 323 feet, with open or screened intervals ranging between 40 and 323 feet.

Irrigation Wells: Eight lawn irrigation wells were identified within one mile of the site. The depths of these wells ranged between 45 and 250 feet, with open or screened intervals ranging between 35 and 250 feet.

Public Supply Wells: No public supply wells were identified within one mile of the site.

1.6.2 Receptor Evaluation

Typically, soil, groundwater, and surface water impacts may give rise to concern about human and ecological receptors. However, in the case of Landfill M-5, based on the following, no receptors are expected to be impacted:

1. There are no concerns with respect to direct exposure by humans to impacted soil, because soil impacts were very minor and they exist at depth.
2. Since there are no domestic, irrigation or public supply wells immediately downgradient of Landfill M-5, and since impacted groundwater is expected to naturally attenuate in a very short distance (see Section 1.7), no concerns exist with respect to human exposure to impacted groundwater.
3. Although Mill Creek represents a potential ecological receptor, as discussed previously, Mill Creek is impacted by sources upgradient of Landfill M-5. Based on the discussion in Section 1.5.3 and the discussion in Section 1.7, the impacted groundwater in Landfill M-5 does not appear to have, and is not expected to adversely affect Mill Creek. This conclusion is further supported by the fact that sentinel wells MW-12, MW-13, and MW-14, which are located

along the edge of Mill Creek, historically have never shown any PCE contamination, indicating that the PCE plume has not extended to the creek.

1.7 Classification Exception Area

A classification exception area (CEA) is a mechanism that has been established by the NJDEP to temporarily except a defined area where groundwater does not meet the GWQC. As required by the *Groundwater Quality Standards* (N.J.A.C 7:9-6 et seq.), a CEA must be established whenever constituent standards applicable to a groundwater classification area are not, or will not be met for the term of the remediation program. According to the NJDEP's *Final Guidance on Designation of Classification Exception Areas* (April 17, 1995), a CEA is defined by both physical boundaries, and the amount of time that will be required for the groundwater contaminant(s) to achieve compliance with the GWQC.

The Fort Monmouth DPW proposes that the CEA apply to tetrachloroethene (PCE), which is the only contaminant of concern at Landfill M-5. A CEA is appropriate for this site since all sources of contamination have been addressed, no receptors are at risk, and groundwater contamination remains above standards at a level where the residual contaminant plume will not migrate beyond the designated boundary set forth below.

The classification exception area was determined using the analytical solution model option. Darcy's law was used as the model and was used to predict the duration of the CEA and the distance the contaminant will migrate before groundwater quality standards are achieved.

Determination of the Duration of the CEA

A first order decay equation shown below, was used to calculate the duration of the CEA, since the degradation of the petroleum-based compounds has been shown to be logarithmic.

$$C = C_o * e^{-kt} \qquad \text{--Eq. 1}$$

where,

C = Final concentration of the contaminant
C_o = Initial concentration of the contaminant
k = Reaction rate constant
t = Time in days

The reaction rate constant k can be determined by the following equation:

$$k = \frac{0.693}{t^{1/2}} \qquad \text{--Eq. 2}$$

where,

$t^{1/2}$ = the half life of the corresponding contaminant in days

Data from monitoring well M5MW-20 was used to define the CEA due to its proximity to the source area, and since the consistently amount of the contaminant is detected in M5MW-20. The latest analytical data from monitoring well M5MW-20 (from the September 13, 1999 sampling event) indicated the presence of PCE at a concentration of 156.58 μg/L (C_o). The final concentration of the contaminant will be 1 μg/L (C) as per the NJDEP's Class II GWQC. As reported by John H. Montgomery in *Groundwater Chemicals Desk Reference, Second Edition* (Montgomery, 1996), significant degradation of PCE was observed after 28 days, and the amount lost due to volatilization after 10 days was 16-23%. As reported in *The Handbook of Environmental Degradation Rates* (Howard, et al., 1991) the low and high half life of PCE in ground water are estimated at 12 months and two years respectively. Based on these facts, an average value of 250 days was used for the half life ($t^{1/2}$) of PCE. Substituting the above values, the reaction rate constant, k is calculated as 0.00272 days $^{-1}$.

Rearranging **Equation 1**, the time duration of the CEA can be determined as follows:

$$t = \frac{\ln\left(\frac{C}{C_o}\right)}{-k} \qquad \text{-- Eq. 3}$$

Substituting the values of C, C_o and k in **Equation 3**, the duration of the CEA is calculated as follows:

$$t = \frac{\ln\left(\frac{1}{156.58}\right)}{-0.00272}$$

t = 1,858 days (approximately 5 years)

Calculation of the CEA Boundary

The boundary of the CEA is determined by calculating the distance of travel of the contaminant. Distance of travel is calculated from the pollutant transport rate. Seepage velocity (V_s) and Retardation factor (R_d) must be calculated for this purpose. The seepage velocity was calculated using the following equation:

$$V_s = \frac{(K * i)}{n_o} \qquad \text{--Eq. 4}$$

where,

K= Hydraulic conductivity of the affected aquifer, (ft/day)
i = Hydraulic gradient (ft/ft)
n_o= Effective porosity

The average hydraulic conductivity from the pumping tests was determined to be 0.996 ft/day. The effective porosity of the formation (dense mixed grained sand) is taken as 30%. The hydraulic gradient at the site is calculated as 0.009 ft/ft. Substituting these values in **Equation 4**:

$$V_s = \frac{(0.996 * 0.009)}{0.3}$$

$V_s = 0.029$ ft/day

The retardation factor was calculated using the equation:

$$R_d = 1 + \frac{(K_d * \sigma_b)}{n_o} \qquad \text{-- Eq. 5}$$

where,

ρ_b = bulk density of the formation
K_d = Distribution co-efficient
n_e = Effective porosity

The distribution co-efficient is calculated from the relation:

$$K_d = 0.63 * K_{ow} * f_{oc} \qquad \text{-- Eq. 6}$$

where,

K_{ow} = n-octonol/water partition coefficient
f_{oc} = fraction of the organic carbon in the matrix

The results of the Total Organic Carbon (TOC) content in soil samples collected from the groundwater/soil interface indicated that TOC at the site is present at an average level of 5 mg/kg (See Technion, Inc. Testing & Research Laboratories test results for TOC included as Appendix C). From this the fraction of TOC in the soil matrix, f_{oc} was determined to be 0.000005. According to the *Superfund Public Health Evaluation Manual* (United States Environmental Protection Agency, Office of Emergency and Remedial Response, 1986), the value of K_{ow} is 130. Substituting these values,

$$K_d = 0.63 * 130 * 0.000005$$

$K_d = 0.00041$

The bulk density of the formation was estimated as 1.5 g/cm^3. Substituting the value of K_d, ρ_b and n_e into **Equation 5**, the retardation factor R_d is calculated as follows:

$$R_d = 1 + \frac{(0.00041 * 1.5)}{0.3}$$

$R_d = 1.002$

From the above parameters, the pollutant transport rate (V_{pt}) is determined by dividing the seepage velocity (V_s) by the retardation factor (R_d)

$$V_{pt} = \frac{V_s}{R_d} \qquad \text{-- Eq. 7}$$

$$V_{pt} = \frac{0.029}{1.002}$$

$$V_{pt} = 0.0289 \text{ ft/day}$$

The distance traveled by the contaminant is calculated by the relationship, Distance = Transport Rate * Time

$$d = V_{pt} * t \qquad \text{-- Eq. 8}$$

$$d = 0.0289 \text{ ft/day} * 1{,}858 \text{ days}$$

$$d = 53.70 \text{ ft}$$

From the calculations, it appears that the migration of contaminants from monitoring well M5MW-20 is very minimal (approximately 54 feet), and PCE concentrations can be expected to naturally attenuate within the property boundaries of the site. Monitoring wells MW-12, MW-13, and MW-14 were proposed as sentinel wells. The latitude and longitude (taken from the NJDEP Well Location Certification forms) of the monitoring wells that mark the area of the CEA are as follows:

Well No.	Latitude	Longitude
MW-12	40°18'48.9"	74°03'04.1"
MW-13	40°18'47.6"	74°03'03.7"
MW-14	40°18'45.7"	74°03'03.2"
M5MW-15	40°18'49.6"	74°02'54.9"
M5MW-18	40°18'48.2"	74°02'59.6"
M5MW-25	40°18'53.27	74°02'56.4"

Geographic Information System (GIS) format is required in cases of active or potential groundwater use within the boundaries of the CEA. Since no groundwater use within CEA boundaries is occurring or is anticipated to occur, the GIS format is not required for the Landfill M-5 site.

The DPW proposes a maximum CEA duration of five years, based on the estimated time for PCE to degrade to its GWQC of 1 μg/L, assuming natural degradation rates. The DPW anticipates that these degradation rates will be significantly increased as a result of implementation of proposed anaerobic bioremediation treatment (See Section 4.1).

1.8 Conclusions and Recommendations

Based on the investigation conducted to date the DPW concludes the following:

- A review of analytical results from Geoprobe soil samples revealed that only tetrachloroethene (PCE) concentrations exceeded the NJDEP IGWSCC, and that exceedances were discovered at five of 261 soil sample locations. It is important to note that these exceedances are very minor relative to NJDEP IGWSCC, and their detection immediately above the water table is likely indicative of impacted groundwater during the seasonal water table fluctuations rather than a soil source.
- In the Main Post area, groundwater is typically encountered at depths of 1.40 to 11.59 feet below ground surface. Ground water flow was calculated to be toward the west-northwest, toward Mill Creek, consistent with previous data.
- Historically, separate phase hydrocarbons were not reported in any of the monitoring wells.
- Groundwater analytical results from the permanent monitoring wells identified PCE as the only contaminant of concern across Landfill M-5, with exceedances of the NJDEP GWQC noted in eight monitoring wells. While several other analytes were detected at concentrations above their respective GWQC, these contaminants are not considered a concern for reasons discussed in Section 1.5 of this report.
- Historically, a decrease in PCE concentrations was noted in all monitoring wells, except M5MW-15, M5MW-16, and M8MW-12, as discussed in Section 1.5.2.
- The duration of the CEA for PCE was calculated to be 1,858 days (approximately five years).
- Groundwater PCE contamination is localized in seven areas of concern, limited in extent, and can be expected to naturally degrade overtime without significant migration.
- The surface water samples collected from four locations along Mill Creek, as well as groundwater analytical results from the sentinel wells MW-12, MW-13, and MW-14, show that the Landfill M-5 site is not a contributor of PCE contamination of Mill Creek.

Based on the above conclusions, the DPW proposes to implement a natural remediation program. Simultaneously, an aerobic and anaerobic bioremediation treatment program will be implemented to increase the degradation rate of the contaminant of concern (PCE) in groundwater at the Landfill M-5 and adjacent to Landfill M-5, below the NJDEP criteria.

2.0 STATEMENT OF INTENT TO COMPLETE N.J.A.C. 7:26E

It is the DPW's intention that adherence to the remediation program outlined in this RAWP will result in compliance with the criteria set forth in N.J.A.C. 7-26E (7/93).

3.0 APPLICABLE REMEDIATION STANDARDS

The remediation standards for the groundwater at Landfill M-5 its vicinity will be the NJDEP Ground Water Quality Criteria (GWQC) defined in N.J.A.C. 7:9-6. In the event the GWQC for a particular compound is numerically lower than the practical quantitation limit (PQL) for that compound, the PQL will be applied as the groundwater cleanup level. According to the most recent documentation from the NJDEP , the GWQC for PCE is 1.0 μg/L.

4.0 REMEDIAL ACTION ALTERNATIVES

4.1 Considered Remedial Actions

There are several technologies proven to be effective for remediating soil and groundwater contaminated with volatile organic compounds (VOCs). However, the applicability of these technologies is dependent on site-specific data, including the nature and extent of the contamination, and the geologic and hydrologic conditions. The following are brief descriptions of possible remedial alternatives based predominantly on their potential for treating VOCs. Site-specific conditions were fully considered during the selection of the best remedial alternative for Landfill M-5.

Excavation - Excavation is used to remove contaminated soils from the subsurface. Excavation can be a very effective site remedy when contamination is limited to shallow soils. Standard construction practices can excavate to a depth of 25 ft. Dewatering is required if contamination is located within the saturated zone. This is the best technology for small volumes. Excavated materials are treated either onsite or offsite, and returned to the excavation, or transported to an appropriate disposal facility. This technology only addresses soil contamination, but may be used in conjunction with other alternatives (i.e. natural attenuation) to address groundwater issues.

As mentioned in Section 1.5.1, PCE concentrations ranging from 0.320 to 3.300 mg/kg were detected in five soil samples collected from 6-inch intervals above the ground water table interface. This minor soil contamination could be attributed to vertical groundwater movement due to seasonal and tidal influences. Because these results are likely indicative of impacted seasonal groundwater rather than a soil source, the excavation remedial alternative is not suitable for Landfill M-5.

Two-Phase Vacuum Extraction - Two-Phase Vacuum Extraction (TPVE) consists of extracting contaminated ground water and soil vapors simultaneously using an array of extraction wells, separating the water and vapor phases, and passing each through a surface treatment system. The vapor phase is subsequently discharged to the atmosphere and the water phase is discharged to either the ground water, surface water, or a sanitary sewer. This technology addresses both soil and ground water contamination, and its benefits are most cost-effective when soil and groundwater concentrations are relatively high. In addition, TPVE often requires a follow-up remedial technology to further reduce contaminant concentrations to within NJDEP's regulatory limits. A pilot study must be performed to evaluate effectiveness prior to full-scale implementation.

Since PCE concentrations are relatively low at Landfill M-5, and for the reasons stated above, TPVE is not suitable for this site.

In-Situ Aeration (Air Sparging) - Air sparging treats contaminated groundwater by volatilizing organic compounds. Clean air is injected into the contaminated aquifer through vertical and/or horizontal wells. The air volatilizes the dissolved phase VOCs and transfers the contaminated vapors from the saturated zone into the unsaturated zone. The organic vapors are then extracted

from the unsaturated zone through a Soil Vapor Extraction (SVE) system and treated at a surface unit. A pilot study must be performed to evaluate effectiveness prior to full-scale implementation.

As mentioned in Section 1.2.4, ground water is typically encountered at depths of 2 to 9 feet bgs. Due to minimal thickness of the unsaturated zone, an SVE system likely could not be successfully operated. Also, the air injection into the aquifer should be performed under a rigorous control in order to prevent migration of the contamination toward the creek. Based on these factors, an air-sparging system is not suitable for Landfill M-5.

Pump and Treat - Contaminated ground water is extracted out of the ground with a system of pumping wells and is treated with an air stripper, carbon adsorption unit, or other pertinent treatment unit. Remediated water is then discharged to a ground water recharge zone, a stream, or a sanitary sewer. A pilot study must be performed to evaluate effectiveness prior to full-scale implementation. This is the most commonly used groundwater remediation technology.

As mentioned in Section 1.5.2, a decrease in PCE concentrations was noticed in all monitoring wells, except M5MW-15 and M5MW-16. Two other monitoring wells – MW-19 and MW-20 – have shown periodic increases in measured PCE concentrations, but the overall trend of these fluctuations is downward. Based on this fact and based on the aquifer pump test results (Section 1.5.4), which shows that during the pumping test drawdown recorded in the observation wells did not exceed 0.01 feet, this remedial alternative method is not suitable for Landfill M-5.

Natural Remediation - Natural remediation is a method of groundwater remediation where contaminant concentrations will decrease to applicable groundwater quality standards via degradation, retardation, or dispersion under present site conditions.

This alternative method is discussed in detail in Section 4.1.1 below.

Anaerobic Bioremediation - Biodegradation reduces contaminant mass by introducing contaminant-degrading microorganisms, or enhancing indigenous microbial activity within the contaminated area. The microorganisms convert the organic compounds to carbon dioxide, inorganic salts, and water. Bioremediation can be used in either in situ or ex situ environments. Bioremediation is a developed technology, and a variety of bioremediation systems have been used at remediation sites.

This alternative method is discussed in detail in Section 4.1.2 below.

4.1 Proposed Remedial Actions

The DPW proposes to use two corrective action remedial alternatives: natural remediation, and anaerobic bioremediation treatment. Bioremediation treatment will involve the injection of Hydrogen Release Compound (HRC) into the groundwater to increase the degradation rate of the contaminant of concern (PCE). The following sections describe the natural remediation program and the anaerobic bioremediation treatment system operation.

4.1.1 Natural Remediation

Natural remediation is a method of groundwater remediation where contaminant concentrations will decrease to applicable groundwater quality standards via degradation, retardation, or dispersion under present site conditions.

The following NJDEP requirements were factors that indicate that natural remediation is a viable course of action for this site:

- Groundwater contamination does not appear to be resulting from a specific soil source;
- Groundwater contamination at the site has been delineated;
- As mentioned in Section 1.5.2, a decrease in PCE concentrations was noticed in all monitoring wells, except M5MW-15, M5MW-16, and M8MW-12. Two other monitoring wells – MW-19 and MW-20 – have shown periodic increases in measured PCE concentrations, but the overall trend of these fluctuations is downward;
- Based upon the CEA calculation, the PCE contaminant plume will not migrate more than approximately 54 feet over a period of approximately five years:
- Mill Creek, a potential receptor, is contaminated with PCE from an off-site source; however, the on-site PCE groundwater contamination is not expected to contribute to the creek's contamination.

A groundwater monitoring/sampling program has been implemented by the DPW at the Landfill M-5 site. Three sentinel wells (M5MW-12, M5MW-13, and M5 MW-14) located along Mill Creek, and all groundwater monitoring wells at Landfill M-5 site will be sampled quarterly and the data generated will be evaluated to determine the effectiveness of natural remediation.

4.1.2 Anaerobic Bioremediation

Although PCE is expected to naturally attenuate, the DPW proposes to implement an anaerobic bioremediation system program to actively address the PCE groundwater contamination at the Landfill M-5 area.

The anaerobic bioremediation that the DPW proposes involves treatment of seven areas of concentrated chlorinated hydrocarbon contamination with Hydrogen Release Compound (HRC). HRC is a proprietary, food quality, polylactate ester that, upon being deposited into the subsurface, creates anaerobic aquifer conditions and causes the release of hydrogen. Under anaerobic conditions, naturally occurring microorganisms use the hydrogen to progressively remove chlorine atoms from chlorinated hydrocarbons via reductive dechlorination. HRC is a slow-release compound that will provide a steady hydrogen source for between six months and one year.

Design

With input from REGENESIS Bioremediation Products, the company that manufactures and markets HRC, seven areas were selected for HRC treatment. These sites are depicted on Figure

15. Placement of the treatment areas is intended to provide direct treatment of the areas of highest groundwater impact, as well as limit downgradient migration of affected groundwater.

The following assumptions were made for design purposes:

- A ten-foot thick zone of contamination will be treated with HRC.
- The HRC injection points will be located by imposing a 12 foot by 12 foot grid over each treatment area, and placing an injection point at the center of each grid square.
- HRC will be applied at a rate of 4 pounds/vertical foot.

Implementation

The HRC will be applied using direct push technology via 1.25-inch (outer diameter) Geoprobe rods. Injection points will be terminated at approximately 15 feet below surface grade. After completion of each injection point, a high-pressure pump will be used to inject the HRC compounds from bottom to top. It is assumed that between 10 to 15 HRC injection points and treatments will be performed per day.

Monitoring Program

Two weeks after the first HRC treatment is performed, a groundwater sampling event will be performed to evaluate the effectiveness of the treatment. All on site monitoring wells will be sampled and analyzed for VOC+10. After two more quarterly groundwater sampling and testing for VOCs, if a decrease in PCE concentration is reported, a second HRC treatment will be performed using the same methodology as during the first treatment. Based on the analytical results, the number of injection points in each treatment area may be modified. The effectiveness of the HRC treatment, methodologies, field activities, and analytical data will be reported to the NJDEP in quarterly progress reports.

The DPW reserves the right to revert to the natural remediation program in the event the anaerobic bioremediation program is deemed unsuccessful.

5.0 QUALITY ASSURANCE PROJECT PLAN

In order to maintain quality assurance, the DPW's SOP for Sample Handling will be followed during all sampling activities. This SOP is presented as Appendix A.

6.0 REQUIRED PERMITS

The Department of Public Works (DPW) will be responsible for obtaining the permit by rule from the NJDEP case manager prior to performing Hydrogen Release Compound (HRC) injection, using Geoprobe injection points, at Landfill M-5.

7.0 EROSION, DUST, AND ODOR CONTROL

Erosion, dust, and odor control measures are not deemed necessary due to the limited extent and duration of soil disturbance.

8.0 HEALTH AND SAFETY PLAN

The Department of Public Works (DPW) will be responsible for preparation of a site-specific Health and Safety Plan (HASP) encompassing installation of Geoprobe injection points, injection of hydrogen release compound (HRC), and groundwater sampling after bioremediation treatment.

9.0 SITE RESTORATION

All injection points drilled in order to perform chemical injection will be properly sealed by a New Jersey-licensed well sealer. The aboveground equipment (e.g. pumps. temporary structures, etc.) will be dismantled and removed from the site.

10.0 POST-REMEDIAL ACTION SAMPLING

The DPW proposes to continue monitoring Landfill M-5 with quarterly groundwater sampling events during the anaerobic bioremediation process. Once the NJDEP GWQC has been achieved for the contaminant of concern (i.e., PCE) in all related monitoring wells for three consecutive monitoring rounds, or if a decrease in PCE concentration is reported in all related monitoring wells for three consecutive monitoring rounds, the DPW proposes to discontinue the anaerobic bioremediation and conduct passive quarterly groundwater monitoring for a period of two years. The monitoring wells MW-10, MW-11, M5MW-15, M5MW-16, M5MW-18, M5MW-19, M5MW-20, M5MW-23, M5MW-25, M8MW-12, M8MW-23, and M8MW-24 and sentinel wells MW-12, MW-13, MW-14, will be sampled and analyzed for VOC+15. If the contaminant of concern remains below its GWQC for eight consecutive rounds of sampling, the DPW will apply to the NJDEP for No Further Action (NFA) status. Upon issuance of NFA status, the DPW will seal these monitoring wells.

11.0 ESTIMATED COST OF REMEDIAL ACTION WORKPLAN IMPLEMENTATION

The anticipated costs for implementing the proposed remedial action are summarized below:

REMEDIATION COSTS	
• Costs for Geoprobe injection points (phase I)	=$33,120
• Costs for HRC treatment (phase I)	=$41,040
• Costs for Geoprobe injection points (phase II)	=$33,120
• Costs for HRC treatment (phase II)	=$41,040
• Cost of engineering oversight (phase I and phase II)	=$28,800
• Costs for groundwater sampling two weeks after injection	=$23,000
• Costs for groundwater sampling quarterly for five years	=$92,000
• Costs for quarterly progress reports (20 reports)	=$23,000
POST-REMEDIATION COSTS	
• Costs for removal, restoration	=$ 5,000
• Costs for groundwater sampling and laboratory (five years)	=$92,000
• Costs for well abandonment	=$20,000
• Costs for quarterly progress reports (20 reports)	=$23,000
TOTAL REMEDIAL ACTION COSTS	=$455,120

Notes:
Costs do not include permitting fees, NJDEP review fees, or disposal costs.
Costs assume that two bioremediation treatments will be performed.
Costs assume that remediation and post-remediation groundwater sampling will continue on a quarterly basis for two years.

12.0 PROPOSED SCHEDULE

Identification of Project Tasks:

- RAWP submittal and NJDEP approval
- Permitting for anaerobic remediation
- Anaerobic remediation
- Quarterly groundwater sampling events
- Preparation and submittal of quarterly progress reports (five years)
- Quarterly post-remedial sampling
- NJDEP approval of No Further Action

A schedule for the proposed remedial programs shown in Figure 16. If it becomes necessary to modify the schedule, the Department of Public Works (DPW) will submit a revised schedule to the New Jersey Department of Environmental Protection.

Tables

Table 1
Geoprobe Soil Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
NJDEP IGWSCC = 1 mg/kg

Boring Number	Depth (inches)	Tetrachloroethene	QA/QC
1	36	<0.270	U
2	36	<0.260	U
3	36	<0.280	U
4	40	<0.270	U
5	40	<0.270	U
6	40	<0.270	U
7	40	<0.290	U
8	36	<0.340	U
9	40	<0.290	U
10	46	<0.270	U
11	40	<0.280	U
12	40	<0.280	U
13	40	<0.280	U
14	40	<0.270	U
15	40	<0.290	U
16	40	0.780	
17	40	<0.320	U
18	40	<0.350	U
19	32	<0.280	U
20	40	<0.270	U
21	40	<0.270	U
22	40	<0.280	U
23	39	<0.270	U
24	39	0.440	
25	46	<0.300	U
26	40	<0.330	U
27	40	<0.320	U
28	40	<0.570	U
29	40	<0.270	U
30	40	0.320	
31	30	<0.270	U
32	40	<0.360	U
33	40	<0.320	U
34	40	<0.370	U
35	40	<0.320	U
36	40	<0.260	U
37	40	<0.280	U

All concentrations are given in milligrams per kilogram (mg/kg), equivalent to parts per million (ppm).
NR: Sample depth not reported.
QA/QC: Quality Assurance/Quality Control.
U: Analyte undetected in this sample.
NJDEP: New Jersey Department of Environmental Protection.
IGWSCC: Impact to Ground Water Soil Cleanup Criteria.

Table 1
Geoprobe Soil Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
NJDEP IGWSCC = 1 mg/kg

Boring Number	Depth (inches)	Tetrachloroethene	QA/QC
38	40	<0.250	U
39	30	**1.100**	
40	36	**1.000**	
41	36	<0.370	U
42	36	<0.370	U
43	36	<0.360	U
44	36	<0.320	U
45	36	<0.430	U
46	36	<0.280	U
48	38	<0.260	U
49	36	<0.280	U
50	36	<0.270	U
51	36	<0.300	U
52	36	<0.270	U
53	36	<0.290	U
54	36	<0.280	U
55	36	<0.330	U
56	40	<0.360	U
57	38	<0.330	U
58	36	<0.270	U
59	36	<0.260	U
60	40	<0.310	U
61	36	<0.280	U
62	30	<0.270	U
63	30	<0.260	U
64	30	<0.270	U
65	30	<0.280	U
66	30	<0.280	U
67	24	<0.270	U
68	30	<0.290	U
69	30	**3.300**	
70	30	**1.400**	
71	30	**1.500**	
72	30	<0.290	U
73	24	<0.280	U
74	24	<0.270	U
75	24	<0.270	U
76	24	0.770	

All concentrations are given in milligrams per kilogram (mg/kg), equivalent to parts per million (ppm).
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Table 1
Geoprobe Soil Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
NJDEP IGWSCC = 1 mg/kg

Boring Number	Depth (inches)	Tetrachloroethene	QA/QC
77	30	<0.370	U
78	36	<0.330	U
79	36	<0.290	U
80	36	<0.300	U
81	36	<0.290	U
82	36	<0.270	U
83	36	<0.270	U
84	30	<0.300	U
85	36	<0.270	U
86	36	<0.280	U
87	36	<0.270	U
88	24	<0.310	U
89	30	<0.290	U
90	30	<0.290	U
91	30	<0.280	U
92	30	<0.270	U
93	30	<0.280	U
94	30	<0.290	U
95	36	<0.300	U
96	36	<0.290	U
97	30	<0.340	U
98	36	<0.310	U
99	24	<0.300	U
100	35	<0.280	U
101	35	<0.260	U
102	35	<0.280	U
103	35	<0.280	U
104	76	<0.270	U
105	80	<0.260	U
106	70	<0.280	U
107	70	<0.270	U
108	46	<0.270	U
109	35	<0.270	U
110	45	<0.270	U
111	45	<0.270	U
112	94	<0.280	U
113	94	<0.250	U
114	94	<0.290	U

All concentrations are given in milligrams per kilogram (mg/kg), equivalent to parts per million (ppm).
NR: Sample depth not reported.
QA/QC: Quality Assurance/Quality Control.
U: Analyte undetected in this sample.
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Table 1
Geoprobe Soil Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
NJDEP IGWSCC = 1 mg/kg

Boring Number	Depth (inches)	Tetrachloroethene	QA/QC
115	94	<0.260	U
116	94	<0.260	U
117	76	<0.270	U
118	79	<0.260	U
119	94	<0.260	U
120	94	<0.250	U
121	94	<0.260	U
122	94	<0.280	U
123	80	<0.240	U
124	80	<0.270	U
125	80	<0.270	U
126	118	<0.260	U
127	94	<0.270	U
128	94	<0.300	U
129	82	<0.260	U
130	82	<0.260	U
131	82	<0.260	U
132	82	<0.260	U
133	94	<0.300	U
134	82	<0.270	U
135	70	<0.270	U
136	94	<0.260	U
137	118	<0.260	U
138	118	<0.270	U
139	82	<0.280	U
140	80	<0.260	U
141	80	<0.270	U
142	80	<0.270	U
143	94	<0.270	U
144	94	<0.260	U
145	82	<0.270	U
146	84	<0.270	U
147	82	<0.260	U
148	82	<0.250	U
149	94	<0.260	U
150	76	<0.290	U
151	83	<0.260	U
152	83	<0.270	U

All concentrations are given in milligrams per kilogram (mg/kg), equivalent to parts per million (ppm).
NR: Sample depth not reported.
QA/QC: Quality Assurance/Quality Control.
U: Analyte undetected in this sample.
NJDEP: New Jersey Department of Environmental Protection.
IGWSCC: Impact to Ground Water Soil Cleanup Criteria.

Table 1
Geoprobe Soil Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
NJDEP IGWSCC = 1 mg/kg

Boring Number	Depth (inches)	Tetrachloroethene	QA/QC
153	94	<0.260	U
154	94	<0.270	U
155	82	<0.270	U
156	82	<0.290	U
157	74	<0.270	U
158	30	<0.270	U
159	24	<0.290	U
160	24	<0.280	U
161	24	<0.280	U
162	17	<0.310	U
163	19	<0.330	U
164	36	<0.270	U
165	36	<0.270	U
166	24	<0.280	U
167	24	<0.280	U
168	24	<0.330	U
169	24	<0.340	U
170	47	<0.290	U
171	58	<0.270	U
172	58	<0.260	U
173	58	<0.260	U
174	45	<0.310	U
175	47	<0.260	U
176	83	<0.270	U
177	83	<0.260	U
178	24	<0.260	U
179	24	<0.270	U
180	24	<0.260	U
181	24	<0.280	U
182	73	<0.270	U
183	73	<0.260	U
184	78	<0.270	U
185	73	<0.270	U
186	73	<0.260	U
187	80	<0.280	U
188	18	<0.300	U
189	78	<0.270	U
190	78	<0.260	U

All concentrations are given in milligrams per kilogram (mg/kg), equivalent to parts per million (ppm).
NR: Sample depth not reported.
QA/QC: Quality Assurance/Quality Control.
U: Analyte undetected in this sample.
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IGWSCC: Impact to Ground Water Soil Cleanup Criteria.

Table 1
Geoprobe Soil Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
NJDEP IGWSCC = 1 mg/kg

Boring Number	Depth (inches)	Tetrachloroethene	QA/QC
191	78	<0.250	U
192	78	<0.250	U
193	36	<0.260	U
194	72	<0.250	U
195	82	**1.800**	
196	82	<0.300	U
255	70	<0.260	U
256	70	<0.260	U
257	70	<0.260	U
258	70	<0.260	U
259	70	<0.250	U
260	70	<0.260	U
261	70	<0.280	U
262	70	<0.270	U
263	94	<0.270	U
264	94	<0.260	U
265	94	<0.260	U
266	48	<0.310	U
267	48	<0.260	U
268	48	<0.270	U
269	76	<0.290	U
270	76	<0.300	U
271	94	<0.280	U
272	88	<0.290	U
273	88	<0.270	U
274	112	<0.250	U
275	130	<0.330	U
276	130	<0.300	U
277	142	<0.280	U
278	142	<0.290	U
279	142	<0.340	U
280	142	<0.340	U
281	142	<0.320	U
282	142	<0.300	U
283	48	<0.300	U
284	48	<0.270	U
285	48	<0.280	U
286	48	<0.280	U

All concentrations are given in milligrams per kilogram (mg/kg), equivalent to parts per million (ppm).
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U: Analyte undetected in this sample.
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Table 1
Geoprobe Soil Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
NJDEP IGWSCC = 1 mg/kg

Boring Number	Depth (inches)	Tetrachloroethene	QA/QC
287	87	<0.280	U
288	87	<0.260	U
289	46	<0.260	U
290	46	<0.310	U
291	46	<0.270	U
292	46	<0.320	U
293	46	<0.290	U
294	46	<0.290	U
295	70	<0.280	U
296	70	<0.250	U
297	70	<0.280	U
298	70	<0.310	U
299	70	<0.260	U
300	70	<0.270	U
301	84	<0.310	U
302	84	<0.290	U
303	84	<0.270	U
304	84	<0.270	U
305	84	<0.280	U
306	84	<0.270	U
307	102	<0.280	U
308	102	<0.270	U
310	102	<0.290	U
311	102	<0.270	U
312	102	<0.270	U
313	90	<0.290	U
314	90	<0.300	U
315	114	<0.270	U
316	114	<0.290	U
317	114	<0.290	U
318	114	<0.290	U

All concentrations are given in milligrams per kilogram (mg/kg), equivalent to parts per million (ppm).
NR: Sample depth not reported.
QA/QC: Quality Assurance/Quality Control.
U: Analyte undetected in this sample.
NJDEP: New Jersey Department of Environmental Protection.
IGWSCC: Impact to Ground Water Soil Cleanup Criteria.

Table 2
Geoprobe Groundwater Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey

	PCE	TCE	cis-1,2-DCE	Chlorobenzene	Benzene	Toluene	Ethylbenzene	Total Xylenes
M-5-B-1	10.17	nd	nd	nd	nd	nd	nd	nd
M-5-B-2	1.03	nd	nd	nd	nd	nd	nd	nd
M-5-B-3	1.85	nd	nd	nd	nd	nd	nd	nd
M-5-B-4	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-5	1.90	nd	nd	nd	nd	nd	nd	nd
M-5-B-6	6.18	nd	nd	nd	nd	nd	nd	nd
M-5-B-7	26.36	nd	nd	nd	nd	nd	nd	nd
M-5-B-8	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-9	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-10	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-11	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-12	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-13	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-14	6.52	nd	nd	nd	nd	nd	nd	nd
M-5-B-15	20.60	nd	nd	nd	nd	nd	nd	nd
M-5-B-16	8.14	nd	nd	nd	nd	nd	nd	nd
M-5-B-17	nd	nd	6.06	nd	nd	nd	nd	nd
M-5-B-18	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-19	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-20	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-21	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-22	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-23	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-24	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-25	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-26	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-27	nd	nd	nd	nd	1.32	5.22	nd	9.67
M-5-B-28	2.85	nd	nd	nd	2.60	10.48	2.00	16.82
M-5-B-29	2.81	nd	nd	nd	nd	4.20	nd	8.79
M-5-B-30	6.34	nd	nd	nd	1.13	5.29	nd	10.81
M-5-B-31	22.28	nd	nd	nd	nd	nd	nd	nd
M-5-B-32	4.85	nd	nd	nd	nd	nd	nd	nd
M-5-B-33	2.60	2.65	7.62	nd	nd	nd	nd	nd
M-5-B-34	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-35	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-36	5.04	nd	nd	nd	nd	nd	nd	nd
M-5-B-37	7.31	nd	nd	nd	nd	nd	nd	nd
M-5-B-38	4.76	nd	nd	nd	nd	nd	nd	nd
M-5-B-39	9.58	nd	nd	nd	nd	nd	nd	nd
M-5-B-40	2.92	nd	nd	nd	nd	nd	nd	nd
M-5-B-41	10.50	nd	nd	nd	nd	nd	nd	nd
M-5-B-42	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-43	1.04	nd	nd	nd	nd	nd	nd	nd
M-5-B-44	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-45	1.89	1.68	1.34	nd	nd	nd	nd	nd
M-5-B-46	9.74	1.52	nd	nd	nd	nd	nd	nd
M-5-B-47	4.11	nd	nd	nd	nd	nd	nd	nd
M-5-B-48	5.55	nd	nd	nd	nd	nd	nd	nd
M-5-B-49	nd	nd	nd	nd	nd	nd	nd	nd

Table 2
Geoprobe Groundwater Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey

	PCE	TCE	cis-1,2-DCE	Chlorobenzene	Benzene	Toluene	Ethylbenzene	Total Xylenes
M-5-B-50	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-52	167.22	nd	nd	nd	nd	nd	nd	nd
M-5-B-53	1.71	nd	nd	nd	nd	nd	nd	nd
M-5-B-54	2.22	nd	nd	nd	nd	nd	nd	nd
M-5-B-55	1.27	nd	nd	nd	nd	nd	nd	nd
M-5-B-56	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-57	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-58	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-59	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-60	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-61	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-62	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-63	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-64	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-65	50.17	nd	nd	nd	nd	nd	nd	nd
M-5-B-66	3.69	nd	nd	nd	nd	nd	nd	nd
M-5-B-67	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-68	20.61	nd	nd	nd	nd	nd	nd	nd
M-5-B-69	8.21	nd	nd	nd	nd	nd	nd	nd
M-5-B-70	6.67	nd	1.54	nd	nd	nd	nd	nd
M-5-B-71	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-72	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-73	6.10	nd	nd	nd	nd	nd	nd	nd
M-5-B-74	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-75	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-76	7.02	nd	nd	nd	nd	nd	nd	nd
M-5-B-77	nd	nd	1.99	nd	nd	nd	nd	nd
M-5-B-78	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-79	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-80	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-81	72.02	nd	nd	nd	nd	nd	nd	nd
M-5-B-82	40.51	nd	nd	nd	nd	nd	nd	nd
M-5-B-83	1.73	nd	nd	nd	nd	nd	nd	nd
M-5-B-84	9.92	nd	nd	nd	nd	nd	nd	nd
M-5-B-85	1.67	nd	1.59	nd	nd	nd	nd	nd
M-5-B-86	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-87	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-88	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-89	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-90	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-91	5.03	nd	nd	nd	nd	nd	nd	nd
M-5-B-92	1.93	nd	nd	nd	nd	nd	nd	nd
M-5-B-93	1.23	nd	nd	nd	nd	nd	nd	nd
M-5-B-94	1.08	nd	nd	nd	nd	nd	nd	nd
M-5-B-95	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-96	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-97	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-98	nd	nd	nd	nd	nd	nd	nd	nd

Table 2
Geoprobe Groundwater Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey

	PCE	TCE	cis-1,2-DCE	Chlorobenzene	Benzene	Toluene	Ethylbenzene	Total Xylenes
M-5-B-99	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-100	2.48	nd	nd	nd	nd	nd	nd	nd
M-5-B-101	2.66	nd	nd	nd	nd	nd	nd	nd
M-5-B-102	1.46	nd	nd	nd	nd	nd	nd	nd
M-5-B-103	1.37	nd	nd	nd	nd	nd	nd	nd
M-5-B-104	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-105	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-106	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-107	1.33	nd	nd	nd	nd	nd	nd	nd
M-5-B-108	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-109	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-110	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-111	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-112	1.22	nd	nd	nd	nd	nd	nd	nd
M-5-B-113	6.44	nd	nd	nd	nd	nd	nd	nd
M-5-B-114	3.21	nd	nd	nd	nd	nd	nd	nd
M-5-B-115	6.28	nd	nd	nd	nd	nd	nd	nd
M-5-B-116	2.68	nd	nd	nd	nd	nd	nd	nd
M-5-B-117	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-118	1.63	nd	nd	nd	nd	nd	nd	nd
M-5-B-119	3.74	nd	nd	nd	nd	nd	nd	nd
M-5-B-120	18.38	nd	nd	nd	nd	nd	nd	nd
M-5-B-121	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-122	1.00	nd	nd	nd	nd	nd	nd	nd
M-5-B-123	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-124	6.70	nd	nd	nd	nd	nd	nd	nd
M-5-B-125	6.21	nd	nd	nd	nd	nd	nd	nd
M-5-B-126	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-127	1.68	nd	nd	nd	nd	nd	nd	nd
M-5-B-128	5.30	nd	nd	nd	nd	nd	nd	nd
M-5-B-129	1.02	nd	nd	nd	nd	nd	nd	nd
M-5-B-130	23.65	nd	nd	nd	nd	nd	nd	nd
M-5-B-131	1.23	nd	nd	nd	nd	nd	nd	nd
M-5-B-132	1.20	nd	nd	nd	nd	nd	nd	nd
M-5-B-133	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-134	6.66	nd	nd	nd	nd	nd	nd	nd
M-5-B-135	7.20	nd	nd	nd	nd	nd	nd	nd
M-5-B-136	2.41	nd	nd	nd	nd	nd	nd	nd
M-5-B-137	3.73	nd	nd	nd	nd	nd	nd	nd
M-5-B-138	2.16	nd	nd	nd	nd	nd	nd	nd
M-5-B-139	1.78	nd	nd	nd	nd	nd	nd	nd
M-5-B-140	3.58	nd	nd	nd	nd	nd	nd	nd
M-5-B-141	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-142	3.89	nd	nd	nd	nd	nd	nd	nd
M-5-B-143	1.95	nd	nd	nd	nd	nd	nd	nd
M-5-B-144	2.12	nd	nd	nd	nd	nd	nd	nd
M-5-B-145	2.25	nd	nd	nd	nd	nd	nd	nd
M-5-B-146	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-147	2.90	nd	nd	nd	nd	nd	nd	nd
M-5-B-148	nd	nd	nd	nd	nd	1.26	nd	nd

Table 2
Geoprobe Groundwater Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey

	PCE	TCE	cis-1,2-DCE	Chlorobenzene	Benzene	Toluene	Ethylbenzene	Total Xylenes
M-5-B-149	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-150	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-151	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-152	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-153	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-154	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-155	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-156	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-157	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-158	4.22	nd	nd	nd	nd	nd	nd	nd
M-5-B-159	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-160	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-161	nd	nd	9.07	nd	nd	nd	nd	nd
M-5-B-162	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-163	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-164	2.11	nd	nd	nd	nd	nd	nd	nd
M-5-B-165	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-166	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-167	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-168	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-169	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-170	50.03	nd	nd	nd	2.67	nd	nd	nd
M-5-B-171	2.67	nd	nd	nd	nd	nd	nd	nd
M-5-B-172	1.95	nd	nd	nd	nd	nd	nd	nd
M-5-B-173	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-174	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-175	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-176	4.03	nd	nd	nd	nd	nd	nd	nd
M-5-B-177	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-178	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-179	nd	nd	nd	nd	nd	3.29	nd	nd
M-5-B-180	nd	nd	nd	nd	nd	1.61	nd	nd
M-5-B-181	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-182	13.54	nd	nd	nd	nd	nd	nd	nd
M-5-B-183	8.32	nd	nd	nd	nd	nd	nd	nd
M-5-B-184	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-185	2.07	nd	nd	nd	nd	nd	nd	nd
M-5-B-186	13.60	nd	nd	nd	nd	nd	nd	nd
M-5-B-187	12.65	nd	nd	nd	nd	nd	nd	nd
M-5-B-188	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-189	1.69	nd	nd	nd	nd	nd	nd	nd
M-5-B-190	1.02	nd	nd	nd	nd	nd	nd	nd
M-5-B-191	2.97	nd	nd	nd	nd	nd	nd	nd
M-5-B-192	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-193	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-194	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-195	3.17	1.98	1.96	nd	nd	nd	nd	nd
M-5-B-196	nd	nd	0.48	nd	nd	nd	nd	nd
M-5-B-255	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-256	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-257	1.15	nd	nd	nd	nd	nd	nd	nd

Table 2
Geoprobe Groundwater Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey

	PCE	TCE	cis-1,2-DCE	Chlorobenzene	Benzene	Toluene	Ethylbenzene	Total Xylenes
M-5-B-258	6.26	nd	nd	nd	nd	nd	nd	nd
M-5-B-259	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-260	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-261	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-262	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-264	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-265	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-266	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-267	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-268	nd	nd	1.74	nd	nd	nd	nd	nd
M-5-B-269	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-270	4.59	nd	nd	nd	nd	nd	nd	nd
M-5-B-271	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-272	5.14	4.40	16.47	nd	nd	nd	nd	nd
M-5-B-273	nd	nd	4.53	nd	nd	nd	nd	nd
M-5-B-274	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-275	nd	nd	nd	73.23	2.60	nd	1.83	15.18
M-5-B-276	nd	nd	nd	13.34	1.87	2.05	1.76	8.13
M-5-B-277	nd	nd	nd	nd	1.89	nd	nd	nd
M-5-B-278	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-279	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-280	nd	nd	nd	nd	1.98	nd	nd	nd
M-5-B-281	nd	nd	nd	30.34	8.52	nd	1.13	1.52
M-5-B-282	nd	nd	nd	52.25	15.89	nd	5.70	7.09
M-5-B-283	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-284	nd	nd	nd	2.01	nd	2.06	3.15	11.84
M-5-B-285	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-286	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-287	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-288	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-289	nd	1.99	12.18	nd	nd	nd	nd	nd
M-5-B-290	nd	nd	11.16	nd	nd	nd	nd	nd
M-5-B-291	nd	nd	2.28	nd	nd	nd	nd	nd
M-5-B-292	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-293	nd	nd	1.81	nd	nd	nd	nd	nd
M-5-B-294	nd	nd	4.61	nd	nd	nd	nd	nd
M-5-B-295	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-296	5.22	nd	nd	nd	nd	nd	nd	nd
M-5-B-297	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-298	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-299	2.52	nd	nd	nd	nd	nd	nd	nd
M-5-B-300	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-301	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-302	321.24	nd	nd	nd	nd	nd	nd	nd
M-5-B-303	1459.64	nd	nd	nd	nd	nd	nd	nd
M-5-B-304	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-305	3.36	nd	nd	nd	nd	nd	nd	nd
M-5-B-306	1.26	nd	nd	nd	nd	18.11	1.69	9.43
M-5-B-307	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-308	nd	nd	nd	nd	nd	nd	nd	nd

Table 2
Geoprobe Groundwater Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey

	PCE	TCE	cis-1,2-DCE	Chlorobenzene	Benzene	Toluene	Ethylbenzene	Total Xylenes
M-5-B-309	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-310	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-311	2.85	nd	nd	nd	nd	nd	nd	nd
M-5-B-312	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-313	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-314	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-315	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-316	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-317	nd	nd	nd	nd	nd	nd	nd	nd
M-5-B-318	nd	nd	nd	nd	nd	nd	nd	nd

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
Concentrations exceeding the NJDEP Ground Water Quality Criteria (GWQC) are listed in bold print.
PCE: tetrachloroethene.
TCE: trichloroethene.
cis-1,2-DCE: cis-1,2-dichloroethene.

Table 3
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-10, Landfill M-5
May 1997 - September 1999

Lab Sample ID Sample Date	2516.02 08-May-97	2885.04 08-Aug-97	3116.04 29-Oct-97	3348.01 18-Feb-98	3552.01 06-May-98	3784.03 04-Aug-98	4010.04 27-Oct-98	4237.03 02-Feb-99	4416.03 13-Apr-99	4444.03 27-Apr-99	4786.08 13-Sep-99	NJDEP GWQC (ug/L)
Volatiles												
Acetone	ND	ND	ND	ND	ND	5.08	9.43	ND	ND	ND	ND	700
2 - Butanone (MEK)	ND	ND	ND	ND	ND	ND	4.10	ND	ND	ND	ND	300
Semi-Volatiles												
Di-n-butylphthalate	2.51	30.78	2.13	6.20	ND	ND	ND	ND	ND	ND	ND	900
Bis (2 - ethylhexyl) pht	ND	ND	ND	ND	ND	ND	ND	5.57	ND	ND	ND	30
Pesticides/PCBs												
none detected												
Metals												
Aluminum	61.7	33.8	105.0	96	60.1	103	106	ND	43.9	44.5	ND	200
Antimony	ND	ND	ND	ND	ND	3.01	5.96	ND	ND	ND	ND	20
Arsenic	3.0	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	8
Barium	67.49	ND	78.0	108	99	26.5	34.4	114	93.2	89.5	40.4	2,000
Beryllium	0.19	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.28	0.560	4
Calcium	10650.0	8050.0	31340.0	17870	8165	10300	12900	15200	13100	14600	14400	NLE
Chromium	0.7	76.0	2.6	ND	ND	3.33	3.98	3.17	4.09	3.51	5.11	100
Cobalt	ND	ND	ND	ND	ND	ND	0.695	ND	ND	ND	ND	NLE
Copper	9.0	7.0	11.0	10	10.0	ND	6.27	5.29	22.1	8.55	10.1	1,000
Iron	**4083.0**	**1680.0**	**7386.0**	**4899**	**6027**	**2850**	**3690**	**8760**	**6110**	**4320**	**4330**	300
Lead	1.8	1.0	8.0	ND	ND	ND	2.45	ND	3.79	ND	ND	10
Magnesium	10,040.00	11160.0	16140.0	14860	5989	12500	13400	6920	8050	7990	14600	NLE
Manganese	**87.0**	**59.0**	**200.0**	**138**	**75**	35.4	47.8	**175**	**135**	**152**	**66.7**	50
Mercury	ND	ND	ND	ND	ND	0.19	ND	0.17	ND	ND	ND	2
Nickel	ND	ND	1.3	2.3	2.2	ND	1.53	1.81	0.584	1.16	ND	100
Potassium	9610.0	14410.0	13450.0	11160	6453	22700	20700	3300	6350	4990	15100	NLE
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	3.91	ND	ND	50
Silver	**40.0***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Sodium	35250.0	29150.0	**82150.0**	**114800**	39780	23400	29100	42400	35200	39000	47100	50,000
Vanadium	ND	ND	ND	ND	2.9	1.51	2.67	1.54	1.49	1.44	1.58	NLE
Zinc	20.0	4.0	71.0	16	15.5	20.1	85.9	46.7	21.0	18.7	8.68	5,000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
ND: Analyte not detected in sample.
NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.
NLE: No GWQC exists for this analyte.
* : Laboratory contamination

Table 4
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-11, Landfill M-5
May 1997 - September 1999

Lab Sample ID Sample Date	2516.01 08-May-97	2885.03 08-Aug-97	3116.03 29-Oct-97	3348.02 18-Feb-98	3552.02 06-May-98	3784.04 04-Aug-98	4010.03 27-Oct-98	4237.04 02-Feb-99	4416.04 13-Apr-99	4444.04 27-Apr-99	4786.07 13-Sep-99	NJDEP GWQC (ug/L)
Volatiles												
Acetone	ND	ND	ND	ND	ND	9.43	2.91	ND	ND	ND	ND	700
2 - Butanone (MEK)	ND	ND	ND	ND	ND	2.92	ND	ND	ND	ND	ND	300
Tetrachloroethene	**62.85**	**57.74**	**64.96**	**39.33**	**24.39**	**18.37**	**52.64**	**5.16**	**33.38**	**12.84**	**49.25**	1
Semi-Volatiles												
Di-n-butylphthalate	3.25	13.68	4.75	10.05	ND	ND	ND	ND	ND	ND	ND	900
Bis (2 - ethylhexyl) pht	ND	ND	ND	ND	ND	ND	5.28	ND	ND	ND	ND	30
Pesticides/PCBs												
none detected												
Metals												
Aluminum	76.7	55.1	**669.0**	**222**	ND	**4570**	78.8	**267**	92.9	92.0	ND	200
Arsenic	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8
Barium	12.23	ND	13.4	12	10.4	18.7	9.02	19.1	9.95	8.41	11.0	2,000
Beryllium	0.16	0.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Cadmium	ND	ND	ND	ND	1.0	1.35	ND	ND	ND	1.74	0.556	4
Calcium	11750.0	8730.0	10060.0	10710	8788	19500	9090	14800	11700	11000	14100	NLE
Chromium	0.5	73.0	5.4	ND	ND	16.5	ND	3.34	1.72	1.39	2.11	100
Cobalt	20.0	ND	1.1	ND	ND	1.44	ND	ND	ND	0.870	0.648	NLE
Copper	4.0	4.0	16.0	17	6.8	3.37	7.86	ND	8.28	5.55	4.28	1,000
Iron	ND	110.0	**1551.0**	**305**	58	**1500**	184	**1670**	227	198	**680**	300
Lead	ND	ND	8.0	ND	ND	2.38	ND	ND	ND	ND	ND	10
Magnesium	4580.0	3630.0	3380.0	2990	2781	6090	2960	3930	3300	3660	7840	NLE
Manganese	45.0	**66.0**	12.7	32	6.4	16.9	7.74	44.4	9.71	18.0	16.5	50
Mercury	ND	ND	ND	ND	ND	ND	ND	0.18	ND	ND	ND	2
Nickel	ND	ND	3.9	4.9	4.3	3.19	3.87	2.94	2.62	2.28	2.62	100
Potassium	2250.0	2320.0	6120.0	5260	4573	33000	3480	8340	4340	2670	5420	NLE
Selenium	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
Silver	**39.0***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Sodium	19470.0	20630.0	19220.0	14550	14570	20800	10200	22300	12400	15100	45900	50,000
Vanadium	ND	ND	1.0	ND	1.2	1.62	ND	1.75	ND	4.05	ND	NLE
Zinc	237.0	165.0	168.0	172	170	149	96.1	118	126	142	163	5,000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
ND: Analyte not detected in sample.
NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.
NLE: No GWQC exists for this analyte.
*: Laboratory contamination

Table 5
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-12, Landfill M-5
October 1998 - September 1999

Lab Sample ID Sample Date	3967.03 07-Oct-98	3994.06* 21-Oct-98	4237.05 02-Feb-99	4416.05 13-Apr-99	4444.05 27-Apr-99	4786.06 13-Sep-99	NJDEP GWQC (ug/L)
Volatiles							
Acetone	9.00	ND	ND	ND	ND	ND	700
2 - Butanone (MEK)	13.66	ND	ND	ND	ND	ND	300
Semi-Volatiles							
none detected		*					
Pesticides/PCBs							
none detected							
Metals							
Aluminum	**3310**	**359**	**1910**	**1880**	**6720**	119	200
Arsenic	**10**	3.22	ND	ND	3.54	ND	8
Barium	224	157.0	112	103	67.8	243	2,000
Cadmium	ND	ND	1.37	0.954	3.97	0.788	4
Calcium	111000	98000	28200	17400	14300	152000	NLE
Chromium	28.5	5.87	13.2	14.8	31.6	13.3	100
Cobalt	1.5	ND	0.638	1.25	2.88	ND	NLE
Copper	40	ND	ND	11.1	11.0	ND	1,000
Iron	**51400**	**28400**	**26600**	**29500**	**24600**	**36500**	300
Lead	7	ND	5.45	7.66	**16.2**	ND	10
Magnesium	168000	145000	26300	20500	20200	284000	NLE
Manganese	**1340**	**853**	**1030**	**263**	**84.0**	**566**	50
Mercury	0.3	ND	0.16	ND	ND	ND	2
Nickel	5.7	ND	8.54	3.79	4.43	ND	100
Potassium	65300	42100	15900	18300	22600	89200	NLE
Sodium	**1860000**	**1240000**	**235000**	**75300**	**65000**	**2040000**	50,000
Vanadium	14	2.69	4.17	7.14	17.2	2.12	NLE
Zinc	116	ND	169	178	119	ND	5,000

* MW-12 was resampled on 10/26/98 (Sample #4006.01), because the original semi-volatile sample was broken.

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

ND: Analyte not detected in sample.

NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.

NLE: No GWQC exists for this analyte.

Table 6
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-13, Landfill M-5
October 1998 - September 1999

Lab Sample ID Sample Date	3967.04 07-Oct-98	4001.03 23-Oct-98	4237.06 02-Feb-99	4416.06 13-Apr-99	4444.06 27-Apr-99	4786.05 13-Sep-99	NJDEP GWQC (ug/L)
Volatiles							
Acetone	6.34	ND	ND	ND	ND	ND	700
2 - Butanone (ME	9.08	ND	ND	ND	ND	ND	300
Semi-Volatiles							
none detected							
Pesticides/PCBs							
none detected							
Metals							
Aluminum	**1450**	**287**	**244**	64.8	**1150**	**225**	200
Antimony	ND	ND	ND	ND	ND	2.61	20
Arsenic	4.0	ND	ND	ND	ND	ND	8
Barium	160	196	108	24.2	48.3	193	2,000
Cadmium	0.7	ND	0.886	ND	2.06	0.716	4
Calcium	64100	67000	13700	35100	15600	130000	NLE
Chromium	12.1	5.25	5.80	3.40	10.6	14.1	100
Cobalt	5.9	ND	ND	ND	1.27	0.576	NLE
Copper	5	ND	5.72	5.00	4.27	7.59	1,000
Iron	**21800**	**11700**	**9810**	**1170**	**8350**	**9520**	300
Lead	ND	ND	**17.6**	2.37	3.60	ND	10
Magnesium	113000	112000	9990	17700	12200	324000	NLE
Manganese	**211**	**203**	**137**	18.4	**131**	**203**	50
Mercury	ND	ND	0.17	ND	ND	ND	2
Nickel	11.8	ND	3.35	0.743	1.05	2.75	100
Potassium	55800	46400	5090	13100	8650	114000	NLE
Sodium	**1160000**	**1030000**	**80100**	7630	**62700**	**2690000**	50,000
Vanadium	8	2.48	3.05	ND	5.05	2.51	NLE
Zinc	106	ND	126	14.6	43.9	12.2	5,000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
ND: Analyte not detected in sample.
NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.
NLE: No GWQC exists for this analyte.

Table 7
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-14, Landfill M-5
October 1998 - September 1999

Lab Sample ID Sample Date	3967.05 07-Oct-98	4001.04 23-Oct-98	4237.07* 02-Feb-99	4416.07 13-Apr-99	4444.07 27-Apr-99	4786.04 13-Sep-99	NJDEP GWQC (ug/L)
Volatiles							
Acetone	3.54	4.87	ND	ND	ND	ND	700
2 - Butanone (MEK)	2.97	3.18	ND	ND	ND	ND	300
Semi-Volatiles							
none detected							
Pesticides/PCBs							
none detected			*				
Metals							
Aluminum	**1210**	120	172	**658**	**303**	ND	200
Barium	33.4	23.5	31.2	81.8	33.9	22.4	2,000
Cadmium	0.7	ND	ND	0.670	1.15	0.655	4
Calcium	38000	34600	36100	16400	39600	41300	NLE
Chromium	10.8	1.16	5.25	9.65	3.37	3.31	100
Cobalt	2.3	ND	ND	0.662	ND	ND	NLE
Copper	ND	ND	8.60	7.48	ND	10.5	1,000
Iron	**4740**	**911**	**1910**	**14000**	**2450**	**571**	300
Lead	ND	ND	ND	6.77	ND	ND	10
Magnesium	23900	19300	17900	11600	18800	17600	NLE
Manganese	22.1	15.0	20.7	**191**	19.0	16.4	50
Mercury	0.2	ND	0.22	ND	ND	ND	2
Nickel	2.2	ND	1.96	2.70	ND	ND	100
Potassium	27000	16200	12900	7220	15100	13300	NLE
Sodium	45400	8970	9450	**63400**	9170	7290	50,000
Thallium	5	ND	ND	ND	3.44	ND	10
Vanadium	5	ND	ND	4.73	ND	ND	NLE
Zinc	26	ND	68.1	53.7	15.1	18.3	5,000

* MW-14 was resampled on 2/4/99 (Sample #4246.01), because the original pesticide/PCB sample was broken.

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

ND: Analyte not detected in sample.

NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.

NLE: No GWQC exists for this analyte.

Table 8
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-15, Landfill M-5
April 1999 - September 1999

Lab Sample ID Sample Date	4419.04 14-Apr-99	4447.06 28-Apr-99	4788.05 14-Sep-99	NJDEP GWQC (ug/L)
Volatiles				
Tetrachloroethene (P	ND	ND	**2.15**	1
Semi-Volatiles				
none detected				
Pesticides/PCBs				
none detected				
Metals				
Aluminum	**606**	**564**	**702**	200
Barium	184	180	153	2000
Beryllium	0.734	0.788	1.37	20
Cadmium	ND	1.98	1.13	4
Calcium	11100	7240	4890	NLE
Chromium	2.98	1.97	5.30	100
Cobalt	8.02	8.28	7.50	NLE
Copper	ND	ND	5.18	1000
Iron	**654**	108	**1050**	300
Magnesium	9370	10600	9050	NLE
Manganese	30.2	20.7	15.7	50
Mercury	ND	0.27	ND	2
Nickel	15.2	15.2	13.4	100
Potassium	4240	4540	4920	NLE
Sodium	11800	14000	10100	50000
Thallium	ND	5.17	ND	10
Vanadium	ND	ND	1.25	NLE
Zinc	91.4	91.0	122	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
ND: Analyte not detected in sample.
NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.
NLE: No GWQC exists for this analyte.

Table 9
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-16, Landfill M-5
April 1999 - September 1999

Lab Sample ID Sample Date	4419.05 14-Apr-09	4447.07 28-Apr-99	4788.04 14-Sep-99	NJDEP GWQC (ug/L)
Volatiles				
Tetrachloroethene (PCE)	**96.57**	**8.35**	**639.74**	1
Semi-Volatiles				
none detected				
Pesticides/PCBs				
none detected				
Metals				
Aluminum	**1030**	**1240**	**3510**	200
Arsenic	ND	4.11	ND	8
Barium	101	156	149	2000
Beryllium	ND	ND	0.597	20
Cadmium	ND	2.62	**7.58**	4
Calcium	11200	12500	10800	NLE
Chromium	8.33	8.43	37.4	100
Cobalt	3.30	2.78	4.08	NLE
Copper	ND	ND	12.5	1000
Iron	**4770**	**11800**	**11100**	300
Magnesium	4020	3580	4990	NLE
Manganese	29.2	31.9	32.1	50
Nickel	6.65	5.88	10.8	100
Potassium	6230	8260	9670	NLE
Sodium	11700	15100	10000	50000
Thallium	ND	5.17	ND	10
Vanadium	3.42	3.47	16.1	NLE
Zinc	36.5	36.3	46.2	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
ND: Analyte not detected in sample.
NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.
NLE: No GWQC exists for this analyte.

Table 10
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-18, Landfill M-5
April 1999 - September 1999

Lab Sample ID Sample Date	4416.10 13-Apr-99	4444.10 27-Apr-99	4788.06 14-Sep-99	NJDEP GWQC (ug/L)
Volatiles				
none detected				
Semi-Volatiles				
none detected				
Pesticides/PCBs				
none detected				
Metals				
Aluminum	**327**	61.1	**541**	200
Barium	41.8	47.0	104	2000
Cadmium	0.621	1.99	1.30	4
Calcium	18700	22200	22600	NLE
Chromium	1.97	1.02	4.06	100
Cobalt	0.996	0.916	3.11	NLE
Copper	5.04	ND	4.58	1000
Iron	**6550**	**8140**	**9640**	300
Lead	**11.8**	ND	ND	10
Magnesium	3380	3920	5800	NLE
Manganese	40.9	42.1	**65.8**	50
Mercury	0.12	ND	ND	2
Nickel	2.63	1.86	7.64	100
Potassium	6660	8150	7540	NLE
Sodium	8680	10200	15100	50000
Thallium	ND	4.32	ND	10
Zinc	34.2	19.6	52.9	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
ND: Analyte not detected in sample.
NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.
NLE: No GWQC exists for this analyte.

Table 11
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-19, Landfill M-5
April 1999 - September 1999

Lab Sample ID Sample Date	4416.09 13-Apr-99	4444.09 27-Apr-99	4788.07 14-Sep-99	NJDEP GWQC (ug/L)
Volatiles				
Tetrachloroethene (P	**11.53**	**3.72**	**10.24**	1
Semi-Volatiles				
none detected				
Pesticides/PCBs				
none detected				
Metals				
Aluminum	**1110**	**1710**	**2320**	200
Antimony	ND	ND	3.01	20
Barium	39.7	67.2	61.3	2000
Cadmium	ND	3.22	2.74	4
Calcium	18400	20000	14400	NLE
Chromium	10.6	12.1	32.8	100
Cobalt	0.888	1.36	4.79	NLE
Copper	6.31	ND	5.35	1000
Iron	**7900**	**12300**	**9230**	300
Lead	4.92	ND	ND	10
Magnesium	3800	4220	6380	NLE
Manganese	**50.1**	49.1	33.8	50
Mercury	0.11	ND	ND	2
Nickel	3.22	1.80	14.0	100
Potassium	8060	9650	8200	NLE
Sodium	9830	11300	24900	50000
Thallium	ND	4.93	ND	10
Vanadium	4.13	5.20	11.1	NLE
Zinc	34.5	21.3	56.2	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
ND: Analyte not detected in sample.
NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.
NLE: No GWQC exists for this analyte.

Table 12
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-20, Landfill M-5
April 1999 - September 1999

Lab Sample ID Sample Date	4416.08 13-Apr-99	4444.08 27-Apr-99	4447.09 13-Sep-99	NJDEP GWQC (ug/L)
Volatiles				
Tetrachloroethene (PCE)	**142.59**	**169.54**	**156.58**	1
Semi-Volatiles				
none detected				
Pesticides/PCBs				
none detected				
Metals				
Aluminum	**3150**	**2980**	64.6	200
Barium	45.2	36.3	38.7	2000
Cadmium	ND	3.16	2.45	4
Calcium	17000	21600	14400	NLE
Chromium	30.7	24.9	2.80	100
Cobalt	1.84	2.11	2.15	NLE
Copper	4.46	6.08	6.05	1000
Iron	**9380**	**7520**	**376**	300
Lead	9.54	2.50	ND	10
Magnesium	6060	7270	5790	NLE
Manganese	36.6	29.2	28.0	50
Mercury	0.12	ND	ND	2
Nickel	6.43	5.41	6.13	100
Potassium	5860	6670	4330	NLE
Sodium	29200	35000	22000	50000
Vanadium	12.9	9.93	ND	NLE
Zinc	40.5	32.7	20.3	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
ND: Analyte not detected in sample.
NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.
NLE: No GWQC exists for this analyte.

Table 13
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-23, Landfill M-5
April 1999 - September 1999

Lab Sample ID Sample Date	4419.08 13-Apr-99	4447.08 27-Apr-99	4447.03 13-Sep-99	NJDEP GWQC (ug/L)
Volatiles				
Tetrachloroethene (PCE)	**84.93**	**44.43**	**29.53**	1
Semi-Volatiles				
none detected				
Pesticides/PCBs				
none detected				
Metals				
Aluminum	148	195	**1410**	200
Barium	12.7	28.0	21.5	2000
Cadmium	1.17	2.89	0.786	4
Calcium	11700	24400	7180	NLE
Chromium	13.4	8.97	22.6	100
Cobalt	1.07	1.53	1.09	NLE
Copper	ND	ND	6.92	1000
Iron	**848**	**1590**	**10700**	300
Magnesium	2990	6840	2580	NLE
Manganese	9.64	19.8	10.4	50
Nickel	3.94	6.27	2.59	100
Potassium	3720	5640	3670	NLE
Sodium	16500	28300	12700	50000
Thallium	ND	6.70	ND	10
Vanadium	ND	ND	9.78	NLE
Zinc	30.8	31.2	17.8	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
ND: Analyte not detected in sample.
NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.
NLE: No GWQC exists for this analyte.

Table 14
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M5MW-25, Landfill M-5
April 1999 - September 1999

Lab Sample ID Sample Date	4419.06 14-Apr-99	4447.04 28-Apr-99	4788.08 14-Sep-99	NJDEP GWQC (ug/L)
Volatiles				
Chloroform	1.47	ND	ND	6
Semi-Volatiles				
none detected				
Pesticides/PCBs				
none detected				
Metals				
Aluminum	**5640**	**4630**	151	200
Antimony	ND	ND	2.66	20
Barium	47.5	37.2	50.1	2000
Cadmium	1.05	3.63	0.895	4
Calcium	12100	15500	17700	NLE
Chromium	56.3	40.5	2.32	100
Cobalt	3.67	2.81	0.970	NLE
Copper	ND	14.3	ND	1000
Iron	**18000**	**12300**	**8930**	300
Lead	4.75	6.35	ND	10
Magnesium	6120	4960	3440	NLE
Manganese	41.9	48.3	43.9	50
Mercury	ND	0.16	ND	2
Nickel	8.13	7.43	ND	100
Potassium	9700	8700	8110	NLE
Sodium	18900	25200	8680	50000
Thallium	ND	3.58	ND	10
Vanadium	22.4	15.6	ND	NLE
Zinc	78.4	94.1	22.1	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
ND: Analyte not detected in sample.
NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.
NLE: No GWQC exists for this analyte.

Table 15
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M8MW-12, Landfill M-8
June 1997 - June 1999

Lab Sample ID Sample Date	2731.03 24-Jun-97	2930.06 25-Aug-97	3125.06 31-Oct-97	3366.03 25-Feb-98	3619.03 04-Jun-98	3843.07 28-Aug-98	4029.03 04-Nov-98	4227.03 27-Jan-99	4419.07 14-Apr-99	4447.05 28-Apr-99	4566.03 22-Jun-99	4811.04 23-Sep-99	NJDEP GWQC (ug/L)
Volatiles													
Methylene Chloride	ND	ND	**3.75**	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
2 - Butanone (MEK)	ND	ND	ND	ND	ND	2.50	ND	ND	ND	ND	2.89	ND	300
Toluene	ND	ND	1.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	1000
Tetrachloroethene	**5.04**	**4.96**	**7.64**	**2.25**	**5.49**	**5.56**	**21.68**	**4.27**	ND	ND	**46.06**	**11.77**	1
Semi-Volatiles													
4 - Methylphenol	ND	ND	ND	ND	1.03	ND	ND	ND	ND	ND	ND	ND	NLE
Di - n - butylphthalate	ND	ND	23.36	5.49 B	ND	ND	ND	ND	ND	ND	ND	ND	900
bis (2-Ethylhexyl)phthalate	1.51	ND	ND	2.48	ND	ND	2.23	ND	ND	ND	ND	ND	30
Pesticides/PCBs													
none detected													
Metals													
Aluminum	56.4	170.4	182.0	**7205**	**1210**	**6580**	**1110**	**5040**	**373**	**265**	197	**1930**	200
Antimony	ND	ND	ND	ND	ND	4.83	ND	ND	ND	ND	ND	ND	20
Arsenic	ND	ND	ND	7.0	2.6	6.10	ND	ND	ND	ND	ND	ND	8
Barium	6.4	ND	5.8	28.6	9.3	25.9	7.16	14.8	7.85	7.26	8.49	9.31	2000
Beryllium	ND	ND	ND	ND	ND	0.797	ND	ND	ND	ND	ND	ND	20
Cadmium	ND	ND	ND	ND	ND	ND	ND	1.81	ND	0.579	0.841	ND	4
Calcium	10240.0	8750.0	7750.0	4190	5161	9480	10300	4950	6210	6660	18200	7650	NLE
Chromium	ND	83.0	2.3	53.3	1.4	56.0	8.23	42.5	2.91	1.52	1.53	14.40	100
Cobalt	ND	ND	ND	1.2	ND	1.06	0.778	1.54	0.959	0.703	0.947	0.636	NLE
Copper	5.0	9.0	9.0	16	3.6	ND	ND	36.8	ND	ND	ND	11.0	1000
Iron	**370.0**	**760.0**	**378.0**	**18860**	**6520**	**18800**	**3360**	**16700**	**3750**	**2040**	**1380**	**5190**	300
Lead	ND	1.0	**19.0**	**10**	ND	**12.6**	ND	3.00	ND	ND	ND	ND	10
Magnesium	3330.0	43.0	1990.0	2690	1337	3890	3120	2390	1390	1350	4410	2330	NLE
Manganese	22.0	**4000.0**	7.7	34.8	14.1	**55.5**	13.0	27.3	8.98	6.31	13.6	12.9	50
Mercury	ND	ND	ND	0.5	ND	0.11	ND	ND	ND	0.14	ND	ND	2
Nickel	ND	ND	1.9	6.0	3.9	5.18	12.7	6.04	ND	ND	4.40	3.26	100
Potassium	2510.0	2550.0	2310.0	5710	2692	12000	3400	4430	1750	1560	3120	3130	NLE
Selenium	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
Silver	**28.0***	**25.0***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Sodium	38400.0	32350.0	18610.0	15640	16820	30700	ND	20800	14300	13700	38000	25000	50000
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	4.10	6.04	ND	ND	10
Vanadium	ND	ND	ND	29	7.8	28.3	4.96	20.7	2.27	1.55	1.21	8.26	NLE
Zinc	18.0	2.0	51.0	55	7.7	ND	43.4	39.8	11.9	9.70	ND	16.2	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
ND: Analyte not detected in sample.
NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.
NLE: No GWQC exists for this analyte.
*: Laboratory contamination

Table 16
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M8MW23, Landfill M-8
April 1999

Lab Sample ID Sample Date	4419.09 13-Apr-99	4447.09 27-Apr-99	4811.16 23-Sep-99	NJDEP GWQC (mg/L)
Volatiles				
cis-1,2-Dichloroethene	ND	2.74	6.44	10
Vinyl Chloride	ND	ND	1.18	5
Trichloroethene	ND	ND	**1.94**	1
Tetrachloroethene (PCE)	**6.56**	ND	**1.62**	1
Semi-Volatiles				
none detected				
Pesticides/PCBs				
none detected				
Metals				
Aluminum	**8440**	150	27.6	200
Arsenic	**26.4**	**15.8**	3.47	8
Barium	142	65.9	89.9	2000
Beryllium	0.723	ND	ND	20
Cadmium	**6.11**	1.13	0.607	4
Calcium	24900	30700	28000	NLE
Chromium	58.9	4.30	5.63	100
Cobalt	18.2	13.2	1.55	NLE
Copper	371	ND	21.4	1000
Iron	**27700**	**1940**	**5290**	300
Lead	**464**	8.10	5.92	10
Magnesium	10800	7640	10700	NLE
Manganese	**1720**	**787**	**1280**	50
Mercury	**2.74**	0.18	ND	2
Nickel	47.4	31.8	6.15	100
Potassium	10100	5780	5260	NLE
Sodium	19200	28200	46900	50000
Vanadium	31.5	ND	ND	NLE
Zinc	**5440**	3690	237	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
ND: Analyte not detected in sample.
NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.
NLE: No GWQC exists for this analyte.

Table 17
Quarterly Groundwater Sampling Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey
Monitoring Well M8MW24, Landfill M-8
April 1999

Lab Sample ID Sample Date	4419.03 14-Apr-99	4447.03 28-Apr-99	4811.17 23-Sep-99	NJDEP GWQC (ug/L)
Volatiles				
Chlorobenzene	ND	ND	1.01	4
Ethylbenzene	1.78	ND	4.05	700
Total Xylenes	6.04	1.16	10.76	1000
Semi-Volatiles				
2,4-Dimethylphenol	ND	3.14	ND	100
Naphthalene	1.24	ND	3.24	NLE
Bis(2-Ethylhexyl)phthalate	ND	ND	1.74	30
Pesticides/PCBs				
none detected				
Metals				
Aluminum	**531**	**5960**	**327**	200
Antimony	ND	3.50	ND	20
Arsenic	ND	7.16	3.77	8
Barium	96.1	262	276	2000
Cadmium	ND	2.89	1.83	4
Calcium	384000	409000	470000	NLE
Chromium	8.01	39.3	8.75	100
Cobalt	1.17	2.07	ND	NLE
Copper	22.4	196	29.3	1000
Iron	**13100**	**13500**	**36600**	300
Lead	**50.5**	**385**	**27.1**	10
Magnesium	21100	25500	29200	NLE
Manganese	**885**	**1260**	**1500**	50
Mercury	ND	1.03	0.2	2
Nickel	1.51	7.97	3.59	100
Potassium	10000	15100	16700	NLE
Selenium	7.13	10.6	ND	50
Silver	ND	18.6	ND	20
Sodium	15400	29600	59600	50000
Vanadium	2.64	21.3	3.74	NLE
Zinc	85.3	779	69.1	5000

All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
ND: Analyte not detected in sample.
NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.
NLE: No GWQC exists for this analyte.

Table 18
Periodic Stream Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey

Stream Sampling Location SS-4
October 1996 - June 1999

Lab Sample ID Sample Date	08-Oct-96	25-Nov-96	12-Dec-96	29-Jan-97	26-Feb-97	10-Mar-97	08-Apr-97	17-Jul-97	30-Oct-97	10-Feb-98	21-Apr-98	19-Aug-98	17-Nov-98	25-Feb-99	4579.14 29-Jun-99	NJDEP SWQS (ug/L)
Acetone	NA	NA	NA	30.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NLE
cis - 1,2 - Dichloroethene	NA	NA	NA	1.16	1.14	ND	2.18	1.63	ND	ND	ND	1.92	1.19	ND	2.41	NLE
Methylene chloride	3.75	3.03	3.62	2.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1600
Trichloroethene (TCE)	0.64	1.60	0.75	ND	ND	ND	ND	ND	ND	ND	ND	1.10	ND	ND	1.56	81
Tetrachloroethene (PCE)	2.35	**6.26**	2.28	**4.42**	**6.37**	2.33	ND	1.61	1.24	**6.61**	**4.42**	**2.85**	1.62	**5.61**	**5.27**	4.29

Stream Sampling Location SS-5
October 1996 - June 1999

Lab Sample ID Sample Date	08-Oct-96	25-Nov-96	12-Dec-96	29-Jan-97	26-Feb-97	10-Mar-97	08-Apr-97	17-Jul-97	30-Oct-97	10-Feb-98	21-Apr-98	19-Aug-98	17-Nov-98	25-Feb-99	4579.15 29-Jun-99	NJDEP SWQS (ug/L)
Acetone	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NLE
cis - 1,2 - Dichloroethene	NA	NA	NA	1.19	ND	ND	1.80	3.66	1.83	ND	ND	2.28	1.67	ND	2.74	NLE
Methylene chloride	3.52	3.08	3.47	3.41	ND	ND	1.96	ND	ND	ND	ND	ND	ND	ND	ND	1600
Trichloroethene (TCE)	0.81	1.86	0.71	1.04	ND	ND	ND	ND	ND	ND	ND	1.27	ND	ND	1.74	81
Tetrachloroethene (PCE)	2.76	**7.53**	2.98	**4.76**	**5.32**	2.42	2.28	3.54	1.70	**6.34**	**4.48**	3.39	2.17	**5.45**	**6.04**	4.29

Only detected compounds are listed.
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
NA: Sample not analyzed for this parameter.
ND: Parameter not detected in this sample.
NLE: No regulatory limit has been established for this parameter.
SWQS: New Jersey Department of Environmental Protection Surface Water Quality Standards.
Exceedances of the NJDEP SWQS are highlighted and printed in bold-faced type.

Table 18, continued
Periodic Stream Sampling Analytical Results
Fort Monmouth Main Post, Fort Monmouth, New Jersey

Stream Sampling Location SS-15
October 1996 - June 1999

Lab Sample ID Date	08-Oct-96	25-Nov-96	12-Dec-96	29-Jan-97	26-Feb-97	10-Mar-97	08-Apr-97	17-Jul-97	30-Oct-97	10-Feb-98	21-Apr-98	19-Aug-98	17-Nov-98	25-Feb-99	4579.11 29-Jun-99	NJDEP SWQS (ug/L)
Acetone	NA	NA	NA	4.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NLE
cis - 1,2 - Dichloroethene	NA	NA	NA	1.57	1.46	ND	2.69	5.53	2.57	ND	1.22	3.69	ND	ND	4.17	NLE
Methylene chloride	3.85	2.98	5.51	2.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1600
Trichloroethene (TCE)	2.58	2.54	1.31	1.33	ND	ND	1.60	2.50	ND	1.03	1.21	3.06	ND	ND	2.40	81
Tetrachloroethene (PCE)	**8.11**	**10.38**	**5.63**	**5.68**	**7.84**	3.39	**6.00**	**7.12**	2.72	**6.90**	**5.72**	**5.39**	ND	**7.33**	**7.86**	4.29

Stream Sampling Location SS-16
November 1996 - June 1999

Lab Sample ID Date	25-Nov-96	12-Dec-96	29-Jan-97	26-Feb-97	10-Mar-97	08-Apr-97	17-Jul-97	30-Oct-97	10-Feb-98	21-Apr-98	19-Aug-98	17-Nov-98	25-Feb-99	4579.12 29-Jun-99	NJDEP SWQS (ug/L)
Acetone	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NLE
cis - 1,2 - Dichloroethene	NA	NA	1.30	1.27	ND	2.05	2.55	1.76	ND	ND	2.94	ND	ND	3.56	NLE
Methylene chloride	3.08	4.65	3.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1600
Trichloroethene (TCE)	1.86	1.00	1.14	1.20	ND	1.26	ND	ND	ND	ND	1.63	ND	ND	2.25	81
Tetrachloroethene (PCE)	**7.53**	3.82	**5.19**	**6.75**	2.31	**4.47**	**4.72**	1.86	**6.23**	**4.58**	**4.33**	1.48	**5.08**	**7.70**	4.29

Only detected compounds are listed.
All concentrations are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
NA: Sample not analyzed for this parameter.
ND: Parameter not detected in this sample.
NLE: No regulatory limit has been established for this parameter.
SWQS: New Jersey Department of Environmental Protection Surface Water Quality Standards.
Exceedances of the NJDEP SWQS are highlighted and printed in bold-faced type.

Table 19
Well Search Summary
Fort Monmouth Main Post
Fort Monmouth, New Jersey

Well ID Number	Well Owner	Well Address	Total Depth (feet bgs)	Casing Length (feet)	Static Water Elevation (feet bgs)	Use Code	NJDEP Permit Number
5	Eatontown Senior Housing	55 Wyckoff Rd., Eatontown	192	177	25	G	29-15006
14	Shell Oil Company	Block 100, Lot 25, Oceanport	12	2	4	M	29-24953
15	Shell Oil Company	Block 100, Lot 25, Oceanport	12	2	3	M	29-24953
16	Shell Oil Company	Block 100, Lot 25, Oceanport	12	2	3	M	29-24953
17	Shell Oil Company	Block 100, Lot 25, Oceanport	11	2	3	M	29-24953
34	Boro of Eatontown	Block 14, Lot 17, Eatontown	20	10	12.1	M	29-28236
35	Dennis Bertweiler	Orchard St. Block 73, Lot 36,	67	52	16	D	29-23690
36	Walter and Particia Zinn	92 Sunnybrook Dr., Shrewsbury Boro	50	50	5	G	29-22571
37	V. J. Russo Realty	170 Ave. of Commons, Shrewsbury Boro	250	245	4	G	29-27756
38	Price Communications Corp.	1 Register Plaza, Shrewsbury Boro	28	15	8	M	29-26185
39	A. Khristiansen	Trafalger Pl., Block 69.04, Lot 4, Shrewsbury Boro	50	50	5	G	29-22571
40	H. Kodama	83 Sunnybrook Dr., Shrewsbury Bro	250	210	8	D	29-26704
41	Boro of Eatontown	Block 14, Lot 17, Eatontown	20	10	11.7	M	29-29158
42	Boro of Eatontown	Block 14, Lot 17, Eatontown	18	8	10.1	M	29-29159
43	Bill Rudolph	Relwof Ave., Block 98, Lot 1 and 2, Oceanport	45	35	2	G	29-21780
44	Kleiner Bros.	Allenhurst and Myrtle Aves.,	50	40	5	D	29-6499
64	Travis Thomas	112 Orchid St., Oceanport	323	317	16	D, G	29-14244
65	N. J. Transit	Silverside and Fairview Ave.,	*	*	*	M	29-13825
97	Shell Oil Company	1 Main St., Oceanport	10	2	2.5	M/S	29-12553
98	Shell Oil Company	1 Main St., Oceanport	9	1	2	M/S	29-12554
99	Shell Oil Company	1 Main St., Oceanport	9	1	2	M/S	29-12555
100	Anthony S. Camara	121 Horseneck Point Rd., Oceanport	15	12	5	D	29-5084
101	Bridgewater Townhouse	57 Bridgewater Dr., Oceanport	180	155	12	G	29-22549
113	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.38	M	29-14180
114	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	5.1	M	29-14181

Table 19
Well Search Summary
Fort Monmouth Main Post
Fort Monmouth, New Jersey

Well ID Number	Well Owner	Well Address	Total Depth (feet bgs)	Casing Length (feet)	Static Water Elevation (feet bgs)	Use Code	NJDEP Permit Number
115	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.47	M	29-14182
116	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.39	M	29-14183
117	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.75	M	29-14184
118	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.10	M	29-14185
119	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.82	M	29-14186
120	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.30	M	29-14187
121	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.54	M	29-14188
122	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.34	M	29-14189
123	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	4.22	M	29-14190
124	Shell Oil Company	Rte. 35 and South St., Eatontown	12	2	3.9	M	29-14191
125	Shell Oil Company	Rte. 35 and South St., Eatontown	14.83	4	4	E	29-14192
127	Vincent J. Russo, builder	Block 70.1, Lot 90, Shrewsbury	184	165	5	G	29-14168
128	William Godspeed	30 Alwin Terrace, Little Silver	173	158	6	G	29-22526
129	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	15	5	*	M	29-23732
130	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	15	5	*	M	29-23733
131	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	15	5	*	M	29-23734
132	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	15	5	*	M	29-23735
133	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	15	5	*	M	29-23738
134	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	15	4	*	M	29-23739
135	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	15	5	*	M	29-23740
136	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	15	5	*	M	29-23741
137	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	20	5	7	M	29-27072

Table 19
Well Search Summary
Fort Monmouth Main Post
Fort Monmouth, New Jersey

Well ID Number	Well Owner	Well Address	Total Depth (feet bgs)	Casing Length (feet)	Static Water Elevation (feet bgs)	Use Code	NJDEP Permit Number
138	Exxon Company, USA	Branch & Sycamore Ave., Little Silver	16	3	6	M	29-29208
139	Hunter's Superior Service	333 Willow Dr., Little Silver	10	1	6.36	M	29-12793
140	Hunter's Superior Service	333 Willow Dr., Little Silver	10	1	7.08	M	29-12794
141	Hunter's Superior Service	333 Willow Dr., Little Silver	10	1	6.34	M	29-12795
142	Hunter's Superior Service	333 Willow Dr., Little Silver	10	1	7.59	M	29-12796
143	Hunter's Superior Service	333 Willow Dr., Little Silver	10	1	6.63	M	29-12797
144	Hunter's Superior Service	333 Willow Dr., Little Silver	10	1	6.07	M	29-12798
145	Citgo Oil Co.	700 Branch Ave., Little Silver	9	1	*	M	29-12785
146	Citgo Oil Co.	700 Branch Ave., Little Silver	9	1	*	M	29-12786
147	Citgo Oil Co.	700 Branch Ave., Little Silver	9	1	*	M	29-12787
148	Citgo Oil Co.	700 Branch Ave., Little Silver	10	1	*	M	29-12788
149	Citgo Oil Co.	700 Branch Ave., Little Silver	9	1	*	M	29-12789
150	Citgo Oil Co.	700 Branch Ave., Little Silver	9	1	*	M	29-12790
151	Citgo Oil Co.	700 Branch Ave., Little Silver	9	1	*	M	29-12792
152	Citgo Oil Co.	700 Branch Ave., Little Silver	10	1	*	M	29-12793
153	Mobil Oil Corporation	700 Branch Ave., Little Silver	11	1	*	M	29-12794
154	Mobil Oil Corporation	700 Branch Ave., Little Silver	11	1	*	M	29-12795
155	Mobil Oil Corporation	700 Branch Ave., Little Silver	15	5	7	M	29-25317
156	Mobil Oil Corporation	Hwy. 35 and Tinton Ave., Eatontown	15	2	7	M	29-25316
157	Mobil Oil Corporation	Hwy. 35 and Tinton Ave., Eatontown	15	5	7	M	29-25318
158	Mobil Oil Corporation	Hwy. 35 and Tinton Ave., Eatontown	15	5	7	M	29-25319
159	Mobil Oil Corporation	Hwy. 35 and Tinton Ave., Eatontown	15	5	7	M	29-25320

Table 19
Well Search Summary
Fort Monmouth Main Post
Fort Monmouth, New Jersey

Well ID Number	Well Owner	Well Address	Total Depth (feet bgs)	Casing Length (feet)	Static Water Elevation (feet bgs)	Use Code	NJDEP Permit Number
160	Exxon Oil Company	Hwy. 35 and Tinton Ave., Eatontown	16	3	4.7	M	29-26806
161	Exxon Oil Company	Hwy. 35 and Tinton Ave., Eatontown	17	2	6	M	29-26807
162	Exxon Oil Company	Hwy. 35 and Tinton Ave., Eatontown	15	3	8.2	M	29-26808
163	Exxon Oil Company	Hwy. 35 and Tinton Ave., Eatontown	15	3	5.8	M	29-26809
164	Exxon Oil Company	Hwy. 35 and Tinton Ave., Eatontown	12	2	2.35	M	29-28143
165	Allied Signal, Inc.	118 Rte. 35, Eatontown	*	*	*	M	*
814/1	U.S Army, Ft. Monmouth	Main Post, Bldg. 814, Ft. Monmouth	14	4	4	M	29-26939
750/1	U.S Army, Ft. Monmouth	Main Post, Bldg. 750, Ft. Monmouth	15	5	7.5	M	29-28992
750/2	U.S Army, Ft. Monmouth	Main Post, Bldg. 750, Ft. Monmouth	15	5	7.5	M	29-28993
751/3	U.S Army, Ft. Monmouth	Main Post, Bldg. 750, Ft. Monmouth	15	5	7.5	M	29-28994
751/4	U.S Army, Ft. Monmouth	Main Post, Bldg. 750, Ft. Monmouth	15	5	7.5	M	29-28995
699/1	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	2	4	M	29-23677-1
699/2	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	17	1.5	5	M	29-23678-9
699/3	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	2	4	M	29-23679-1
699/4	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	20	2	3	M	29-23680-7
699/5	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	3	5	M	29-23808-1
699/6	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	1	4.5	M	29-23809-9
699/7	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	3	3	M	29-23810-2
699/8	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	2	4	M	29-23811-1
699/9	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	2	3	M	29-24639
699/10	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	14	1	3	M	29-24640
699/11	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	*	*	R	29-28031
699/12	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	15	5	7.1	M	29-28907

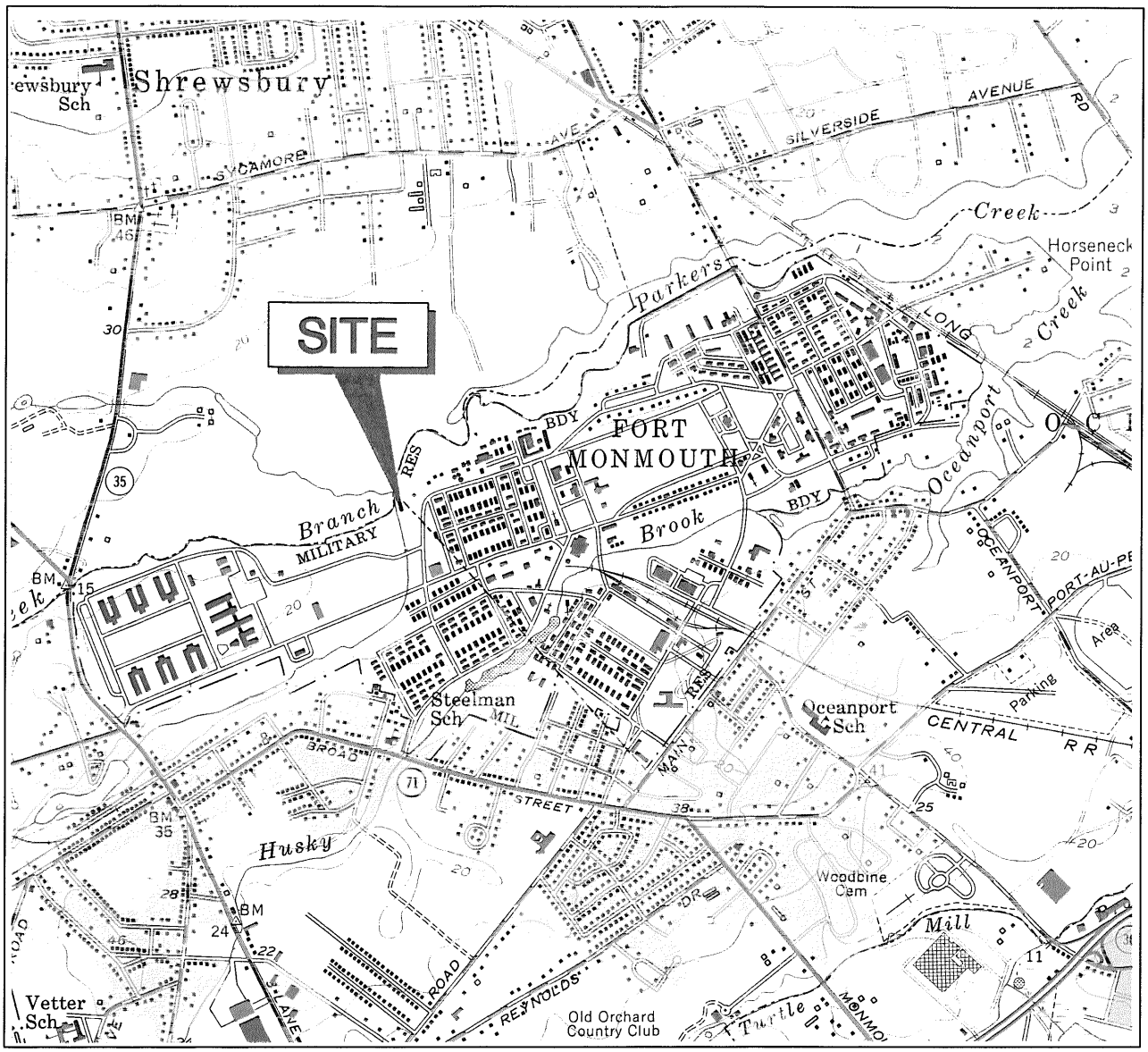
Table 19
Well Search Summary
Fort Monmouth Main Post
Fort Monmouth, New Jersey

Well ID Number	Well Owner	Well Address	Total Depth (feet bgs)	Casing Length (feet)	Static Water Elevation (feet bgs)	Use Code	NJDEP Permit Number
699/13	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	5	*	*	M	**
699/14	U.S Army, Ft. Monmouth	Main Post, Bldg. 699, Ft. Monmouth	5.7	*	*	M	**
1076/1	U.S Army, Ft. Monmouth	Main Post, Bldg. 1076, Ft. Monmouth	15	3	5.5	M	29-26940
1076/2	U.S Army, Ft. Monmouth	Main Post, Bldg. 1076, Ft. Monmouth	14	4	5	M	29-26941
1076/3	U.S Army, Ft. Monmouth	Main Post, Bldg. 1076, Ft. Monmouth	15	5	6	M	29-26942
65A/1	U.S Army, Ft. Monmouth	Main Post, Bldg. 65A, Ft. Monmouth	12	2	4	M	29-26938
L/1	U.S Army, Ft. Monmouth	Main Post, Landfill, Ft. Monmouth	9.85	3.05	5.08	M	49-000551
L/2	U.S Army, Ft. Monmouth	Main Post, Landfill, Ft. Monmouth	16.99	1.30	*	M	49-000552
L/3	U.S Army, Ft. Monmouth	Main Post, Landfill, Ft. Monmouth	16.43	1.62	10.83	M	49-000553
L/4	U.S Army, Ft. Monmouth	Main Post, Landfill, Ft. Monmouth	10.25	1.90	*	M	49-000554
108/1	U.S Army, Ft. Monmouth	Main Post, Bldg. 108, Ft. Monmouth	13	3	4	M	29-29739
108/2	U.S Army, Ft. Monmouth	Main Post, Bldg. 108, Ft. Monmouth	13	3	4	M	29-29740
108/3	U.S Army, Ft. Monmouth	Main Post, Bldg. 108, Ft. Monmouth	13	3	4	M	29-29741
M2MW1	U.S Army, Ft. Monmouth	Main Post, Landfill M2, Ft. Monmouth	18	17	*	M	29-32584
M2MW2	U.S Army, Ft. Monmouth	Main Post, Landfill M2, Ft. Monmouth	18	17	*	M	29-32585
M2MW3	U.S Army, Ft. Monmouth	Main Post, Landfill M2, Ft. Monmouth	16	15.14	*	M	29-32586
M3MW4	U.S Army, Ft. Monmouth	Main Post, Landfill M3, Ft. Monmouth	23.72	23.26	*	M	29-32568
M3MW5	U.S Army, Ft.	Main Post, Landfill M3, Ft.	16.43	15.97	*	M	29-23569
M3MW6	U.S Army, Ft. Monmouth	Main Post, Landfill M3, Ft. Monmouth	15.33	14.87	*	M	29-32570
M4MW7	U.S Army, Ft. Monmouth	Main Post, Landfill M4, Ft. Monmouth	16.01	15.55	*	M	29-32571
M4MW8	U.S Army, Ft. Monmouth	Main Post, Landfill M4, Ft. Monmouth	18.64	18.18	*	M	29-32572
M4MW9	U.S Army, Ft. Monmouth	Main Post, Landfill M4, Ft. Monmouth	22.23	22.69	*	M	29-32573
M5MW1	U.S Army, Ft.	Main Post, Landfill M5, Ft.	15.00	14.54	*	M	29-32574
M5MW1	U.S Army, Ft.	Main Post, Landfill M5, Ft.	15.00	14.85	*	M	29-32575

Table 19
Well Search Summary
Fort Monmouth Main Post
Fort Monmouth, New Jersey

Well ID Number	Well Owner	Well Address	Total Depth (feet bgs)	Casing Length (feet)	Static Water Elevation (feet bgs)	Use Code	NJDEP Permit Number
M8MW1	U.S Army, Ft.	Main Post, Landfill M8, Ft.	15.00	14.54	*	M	29-32560
M8MW1	U.S Army, Ft.	Main Post, Landfill M8, Ft.	15.00	14.54	*	M	29-32561
M8MW1	U.S Army, Ft.	Main Post, Landfill M8, Ft.	15.00	14.54	*	M	29-32562
M8MW1	U.S Army, Ft.	Main Post, Landfill M8, Ft.	15.00	14.54	*	M	29-32563
M12MW	U.S Army, Ft.	Main Post, Landfill M12, Ft.	14.50	14.01	*	M	29-32576
M12MW	U.S Army, Ft.	Main Post, Landfill M12, Ft.	14.50	14.35	*	M	29-32577
M12MW	U.S Army, Ft.	Main Post, Landfill M12, Ft.	14.50	14.04	*	M	29-32578
M14MW	U.S Army, Ft.	Main Post, Landfill M14, Ft.	15.00	14.54	*	M	29-32579
M14MW	U.S Army, Ft.	Main Post, Landfill M14, Ft.	14.50	14.05	*	M	29-32580
M14MW	U.S Army, Ft.	Main Post, Landfill M14, Ft.	16.00	15.54	*	M	29-32581
M16MW	U.S Army, Ft.	Main Post, Landfill M16, Ft.	14.50	14.04	*	M	29-32582
M18MW	U.S Army, Ft.	Main Post, Landfill M18, Ft.	15.00	14.54	*	M	29-32565
M18MW	U.S Army, Ft.	Main Post, Landfill M18, Ft.	15.00	14.54	*	M	29-32566
B1-	U.S Army, Ft.	Main Post, Ft. Monmouth	14.00	13.54	*	M	29-32587
B2-	U.S Army, Ft.	Main Post, Ft. Monmouth	20.00	19.54	*	M	29-32588
B3-MW3B	U.S Army, Ft. Monmouth	Main Post, Ft. Monmouth	26.00	25.54	*	M	29-32589
B4-MW4B	U.S Army, Ft. Monmouth	Main Post, Ft. Monmouth	15.00	14.54	*	M	29-32567
B5-MW5B	U.S Army, Ft. Monmouth	Main Post, Ft. Monmouth	14.50	14.04	*	M	29-32583

FIGURES



N

500 1000 0 2000

Scale in Feet

NEW JERSEY
QUADRANGLE LOCATION

VATC ASSOCIATES INC.
Three Terri Lane
Burlington, NJ 08016

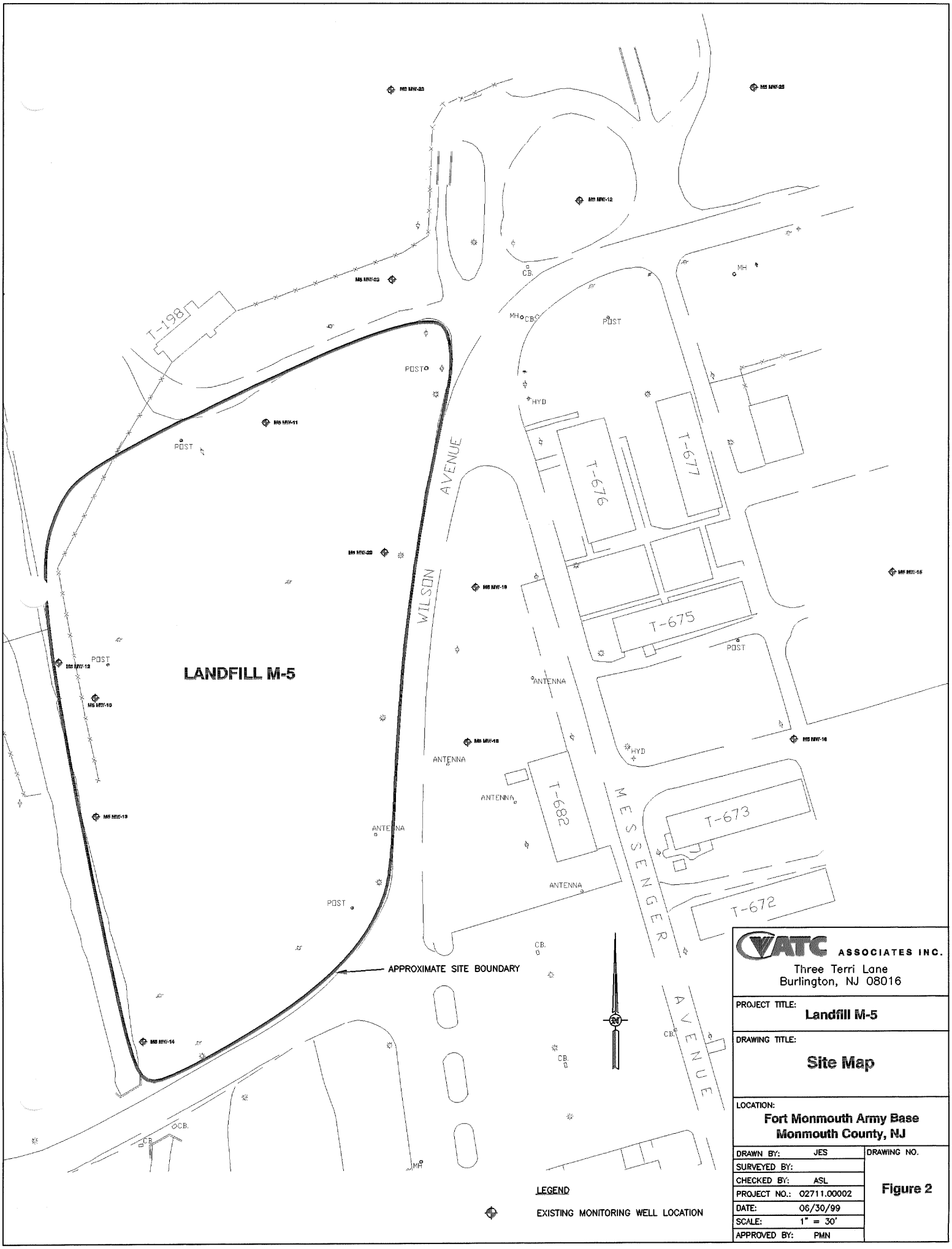
PROJECT TITLE: Landfill M-5

DRAWING TITLE: Site Location Map

LOCATION: Fort Monmouth Army Base
Monmouth County, NJ

DRAWN BY:	JES	DRAWING NO.
SURVEYED BY:		
CHECKED BY:	ASL	Figure 1
PROJECT NO.:	02711.00002	
DATE:	07/28/99	
SCALE:	AS NOTED	
APPROVED BY:	PMN	

Source: USGS Topographic Map, Long Branch, New Jersey Quadrangle



ATC ASSOCIATES INC.
Three Terri Lane
Burlington, NJ 08016

PROJECT TITLE: **Landfill M-5**

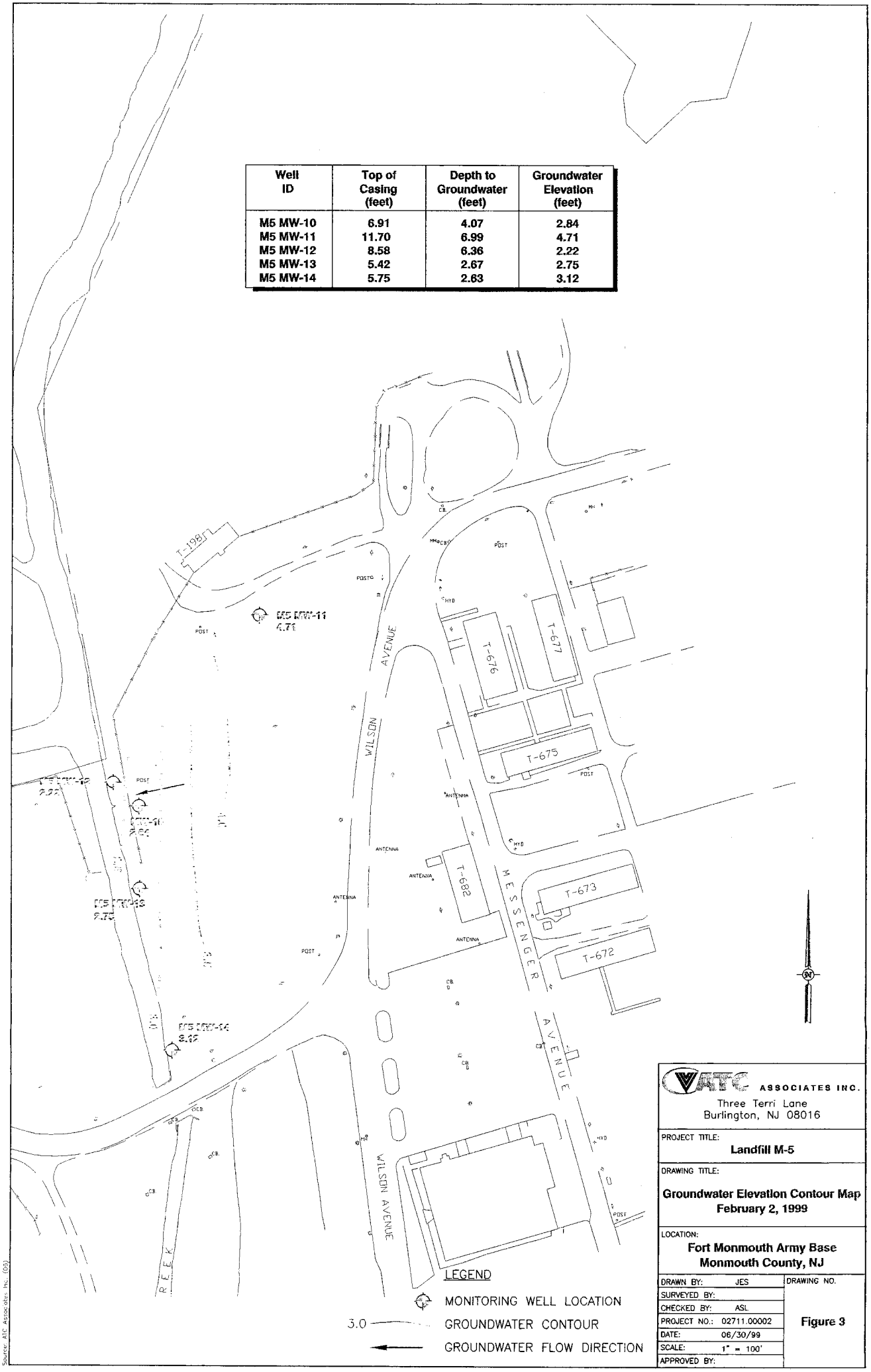
DRAWING TITLE: **Site Map**

LOCATION: **Fort Monmouth Army Base**
Monmouth County, NJ

DRAWN BY:	JES	DRAWING NO.
SURVEYED BY:		
CHECKED BY:	ASL	**Figure 2**
PROJECT NO.:	02711.00002	
DATE:	06/30/99	
SCALE:	1" = 30'	
APPROVED BY:	PMN	

Source: ATC Associates Inc. (02)

Well ID	Top of Casing (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)
M5 MW-10	6.91	4.07	2.84
M5 MW-11	11.70	6.99	4.71
M5 MW-12	8.58	6.36	2.22
M5 MW-13	5.42	2.67	2.75
M5 MW-14	5.75	2.63	3.12



ATC ASSOCIATES INC.
Three Terri Lane
Burlington, NJ 08016

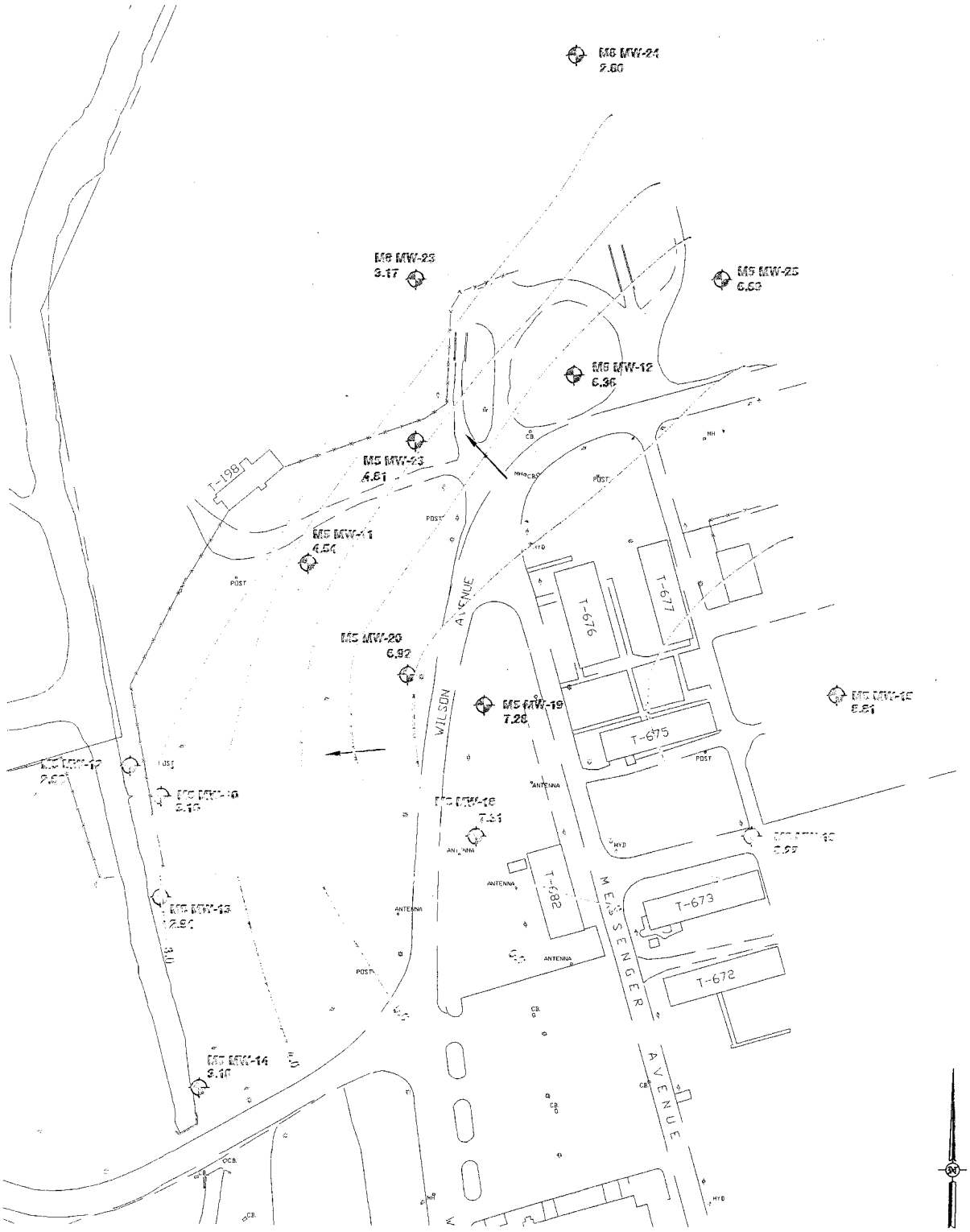
PROJECT TITLE: **Landfill M-5**

DRAWING TITLE: **Groundwater Elevation Contour Map February 2, 1999**

LOCATION: **Fort Monmouth Army Base Monmouth County, NJ**

DRAWN BY:	JES	DRAWING NO.
SURVEYED BY:		
CHECKED BY:	ASL	
PROJECT NO.:	02711.00002	Figure 3
DATE:	06/30/99	
SCALE:	1" = 100'	
APPROVED BY:		

Source: ATC Associates Inc. (03)



Well ID	Top of Casing (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)
M5 MW-10	6.91	3.81	3.10
M5 MW-11	11.70	7.16	4.54
M5 MW-12	8.58	5.92	2.66
M5 MW-13	5.42	2.48	2.94
M5 MW-14	5.75	2.57	3.18
M5 MW-15	17.40	8.59	8.81
M5 MW-16	15.18	6.96	8.22
M5 MW-18	14.47	7.16	7.31
M5 MW-19	14.02	6.74	7.28
M5 MW-20	12.64	5.72	6.92
M5 MW-23	13.00	8.19	4.81
M5 MW-25	18.01	11.32	6.69
M8 MW-12	15.20	8.84	6.36
M8 MW-23	11.82	8.65	3.17
M8 MW-24	20.76	17.96	2.80

LEGEND

MONITORING WELL LOCATION

3.0 GROUNDWATER CONTOUR

GROUNDWATER FLOW DIRECTION

ATC ASSOCIATES INC.
Three Terri Lane
Burlington, NJ 08016

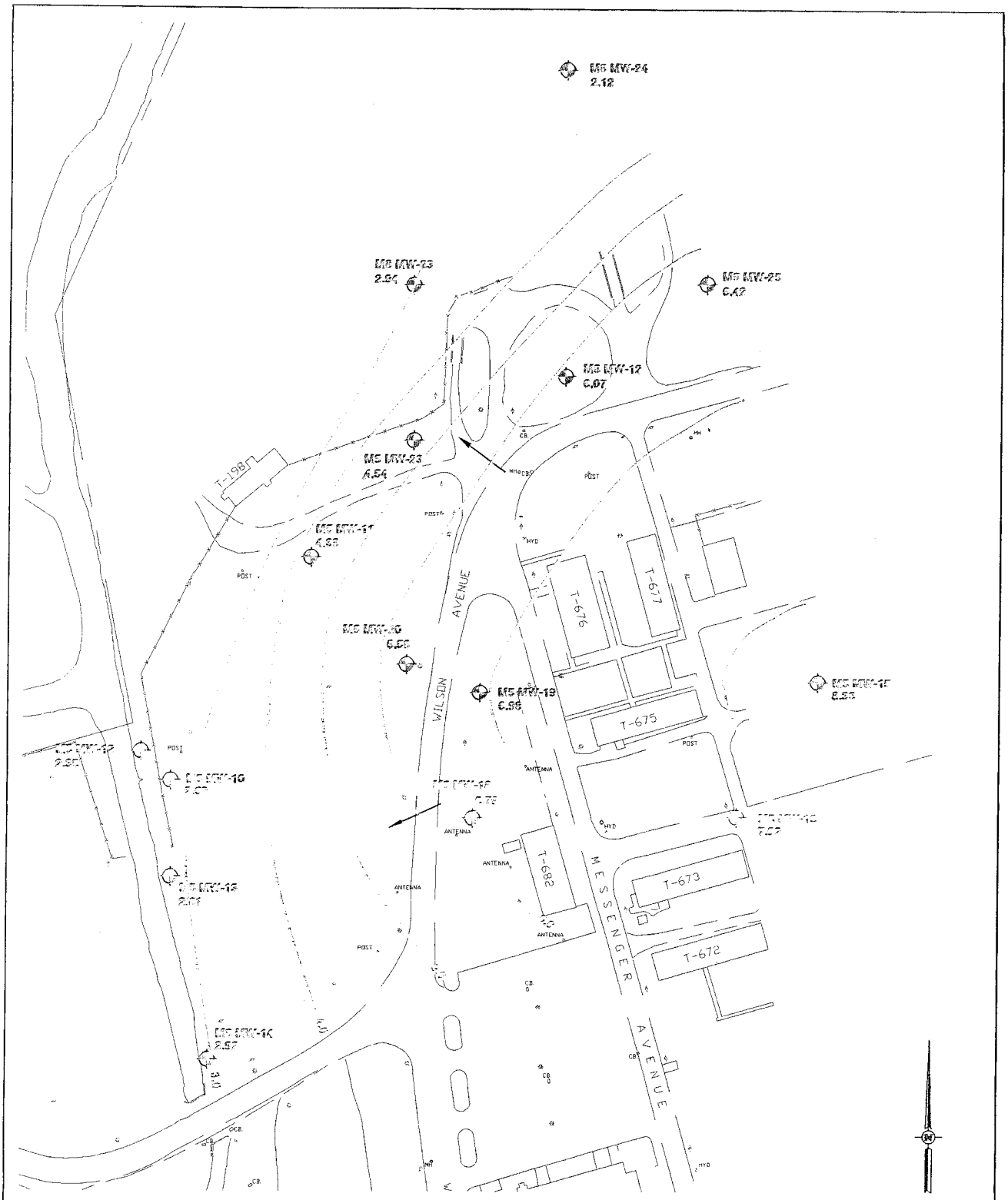
PROJECT TITLE: **Landfill M-5**

DRAWING TITLE: **Groundwater Elevation Contour Map April 13, 1999**

LOCATION: **Fort Monmouth Army Base Monmouth County, NJ**

DRAWN BY:	JES	DRAWING NO.
SURVEYED BY:		
CHECKED BY:	ASL	
PROJECT NO.:	02711.00002	Figure 4
DATE:	06/30/99	
SCALE:	1" = 100'	
APPROVED BY:		

Source: ATC Associates Inc. (07)



Well ID	Top of Casing (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)
M5 MW-10	6.91	4.22	2.69
M5 MW-11	11.70	7.32	4.38
M5 MW-12	8.58	6.23	2.35
M5 MW-13	5.42	2.81	2.61
M5 MW-14	5.75	2.83	2.92
M5 MW-15	17.40	9.04	8.36
M5 MW-16	15.18	7.26	7.92
M5 MW-18	14.47	7.68	6.79
M5 MW-19	14.02	7.04	6.98
M5 MW-20	12.64	6.08	6.56
M5 MW-23	13.00	8.46	4.54
M5 MW-25	18.01	11.59	6.42
M8 MW-12	15.20	9.13	6.07
M8 MW-23	11.82	8.88	2.94
M8 MW-24	20.76	18.64	2.12

LEGEND

MONITORING WELL LOCATION

3.0 GROUNDWATER CONTOUR

GROUNDWATER FLOW DIRECTION

ATC ASSOCIATES INC.
Three Terri Lane
Burlington, NJ 08016

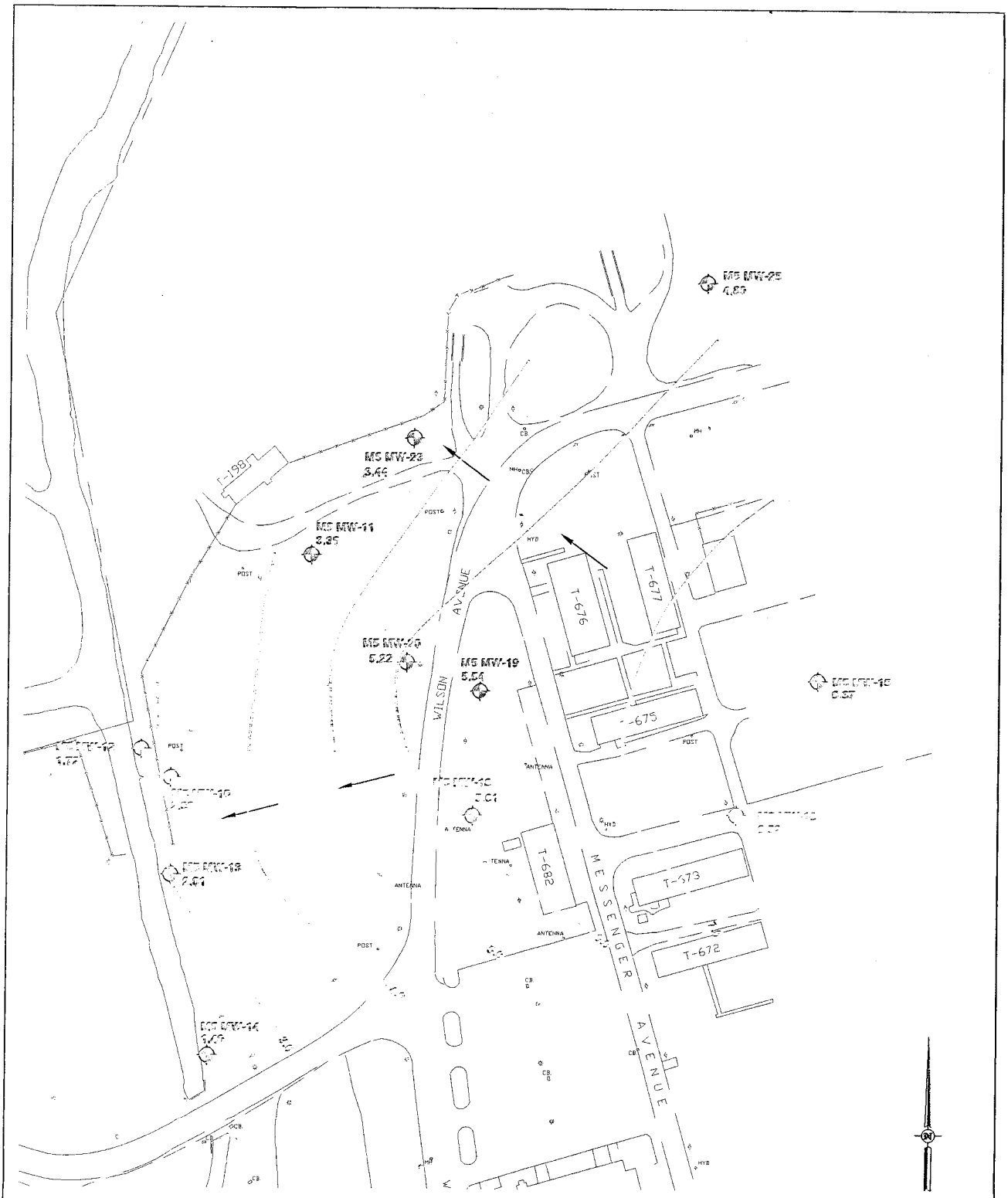
PROJECT TITLE:
Landfill M-5

DRAWING TITLE:
Groundwater Elevation Contour Map
April 27, 1999

LOCATION:
Fort Monmouth Army Base
Monmouth County, NJ

DRAWN BY:	JES	DRAWING NO.
SURVEYED BY:		
CHECKED BY:	ASL	
PROJECT NO.:	02711.00002	Figure 5
DATE:	06/30/99	
SCALE:	1" = 100'	
APPROVED BY:		

Source: ATC Associates Inc. (08)



Well ID	Top of Casing (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)
M5 MW-10	6.91	4.83	2.08
M5 MW-11	11.70	8.35	3.35
M5 MW-12	8.58	6.86	1.72
M5 MW-13	5.42	3.41	2.01
M5 MW-14	5.75	4.35	1.4
M5 MW-15	17.40	11.03	6.37
M5 MW-16	15.18	8.66	6.52
M5 MW-18	14.47	8.86	5.61
M5 MW-19	14.02	8.48	5.54
M5 MW-20	12.64	7.42	5.22
M5 MW-23	13.00	9.56	3.44
M5 MW-25	18.01	13.21	4.8

LEGEND

MONITORING WELL LOCATION

3.0 GROUNDWATER CONTOUR

GROUNDWATER FLOW DIRECTION

ATC ASSOCIATES INC.
Three Terri Lane
Burlington, NJ 08016

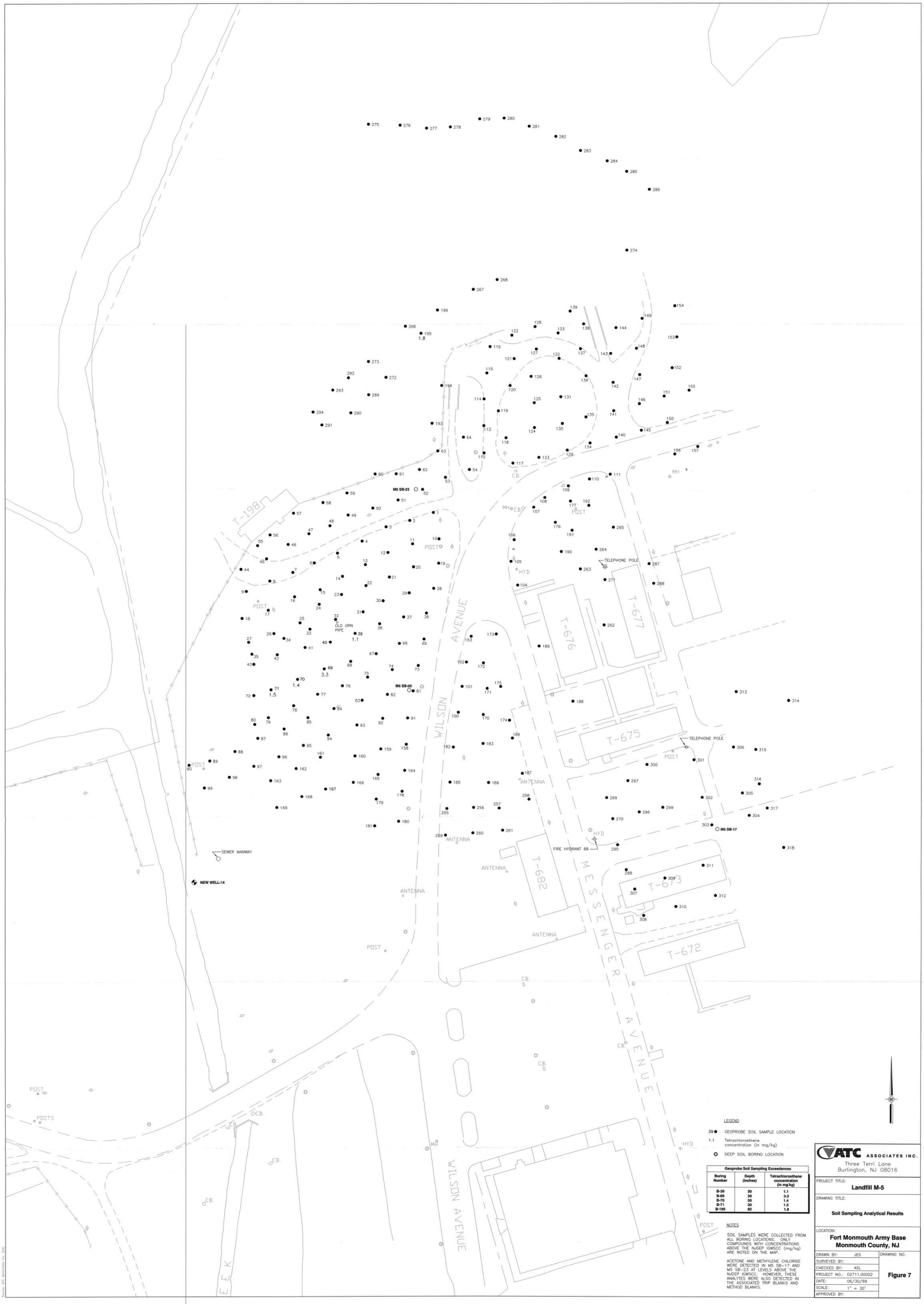
PROJECT TITLE: **Landfill M-5**

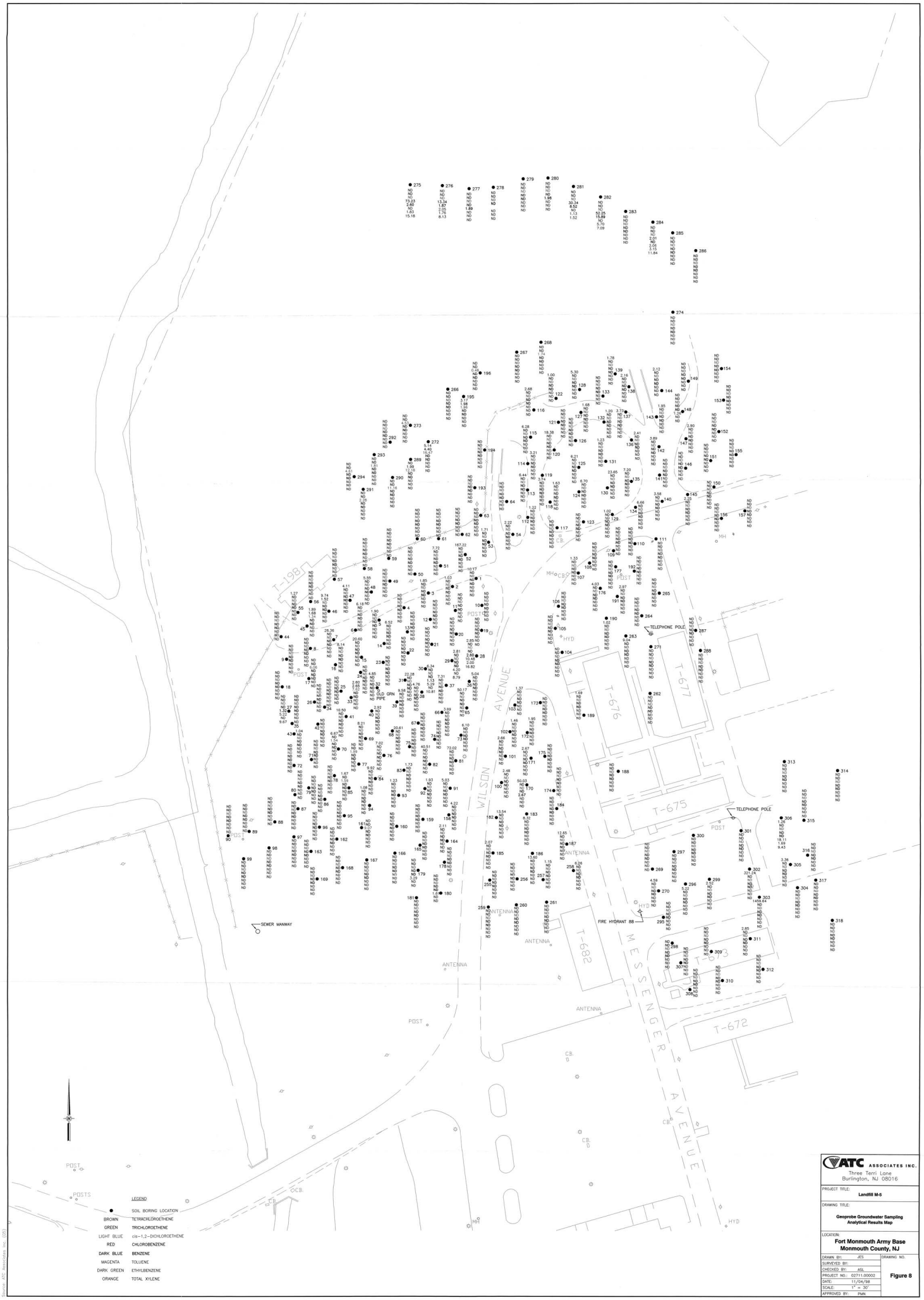
DRAWING TITLE: **Groundwater Elevation Contour Map September 13, 1999**

LOCATION: **Fort Monmouth Army Base Monmouth County, NJ**

DRAWN BY:	JES	DRAWING NO.
SURVEYED BY:		
CHECKED BY:	ASL	
PROJECT NO.:	02711.00002	Figure 6
DATE:	11/10/99	
SCALE:	1" = 100'	
APPROVED BY:		

Source: ATC Associates Inc. (15)


T-198
T-677
T-676
T-675
T-682
T-673
T-672
WILSON AVENUE
MESSENGER AVENUE
MS SB-23
MS SB-20
MS SB-17
OLD GRN PIPE
TELEPHONE POLE
FIRE HYDRANT 88
SEWER MANHOLE
NEW WELL-14
ANTENNA
POST
HYD
MH
CB.
LEGEND
39 GEOPROBE SOIL SAMPLE LOCATION
1.1 Tetrachloroethene concentration (in mg/kg)
DEEP SOIL BORING LOCATION
Geoprobe Soil Sampling Exceedances
Boring Number | Depth (inches) | Tetrachloroethene concentration (in mg/kg)
B-39 | 30 | 1.1
B-49 | 30 | 3.3
B-70 | 30 | 1.4
B-71 | 30 | 1.5
B-195 | 82 | 1.8
NOTES
SOIL SAMPLES WERE COLLECTED FROM ALL BORING LOCATIONS. ONLY COMPOUNDS WITH CONCENTRATIONS ABOVE THE NJDEP IGWSCC (mg/kg) ARE NOTED ON THE MAP.
ACETONE AND METHYLENE CHLORIDE WERE DETECTED IN M5 SB-17 AND M5 SB-23 AT LEVELS ABOVE THE NJDEP IGWSCC. HOWEVER, THESE ANALYTES WERE ALSO DETECTED IN THE ASSOCIATED TRIP BLANKS AND METHOD BLANKS.
ATC ASSOCIATES INC.
Three Terri Lane
Burlington, NJ 08016
PROJECT TITLE:
Landfill M-5
DRAWING TITLE:
Soil Sampling Anaiytical Results
LOCATION:
Fort Monmouth Army Base
Monmouth County, NJ
DRAWN BY: JES
SURVEYED BY:
CHECKED BY: ASL
PROJECT NO.: 02711.00002
DATE: 06/30/99
SCALE: 1" = 30'
APPROVED BY:
DRAWING NO.
Figure 7



ATC ASSOCIATES INC.
Three Terri Lane
Burlington, NJ 08016

PROJECT TITLE:	Landfill M-S
DRAWING TITLE:	Geoprobe Groundwater Sampling Analytical Results Map
LOCATION:	Fort Monmouth Army Base Monmouth County, NJ
DRAWN BY:	JES
SURVEYED BY:	
CHECKED BY:	ASL
PROJECT NO.:	02711.00002
DATE:	11/24/98
SCALE:	1" = 30'
APPROVED BY:	PMN
DRAWING NO.	Figure 8

Source: ATC Associates Inc. (1/03)

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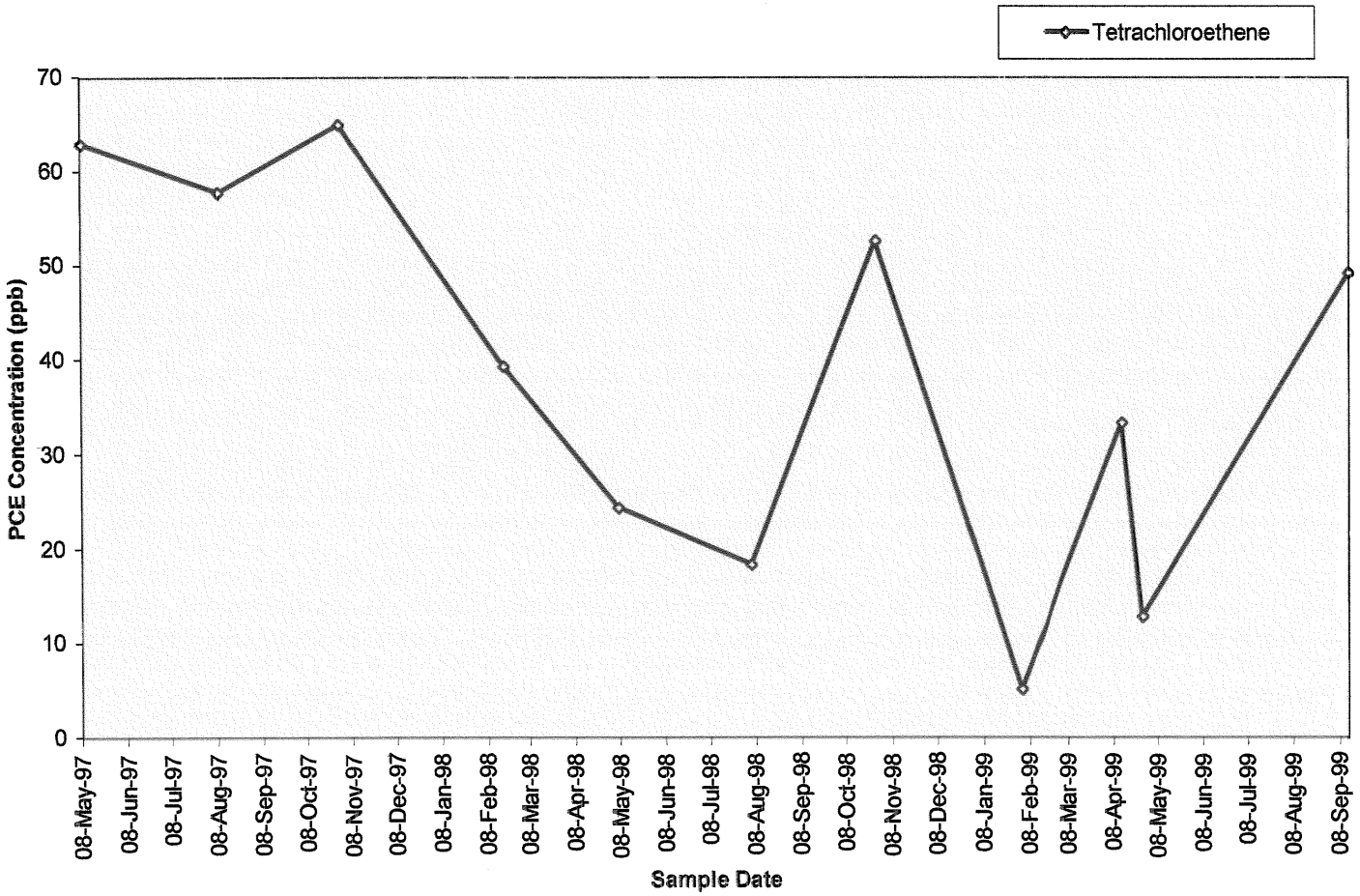
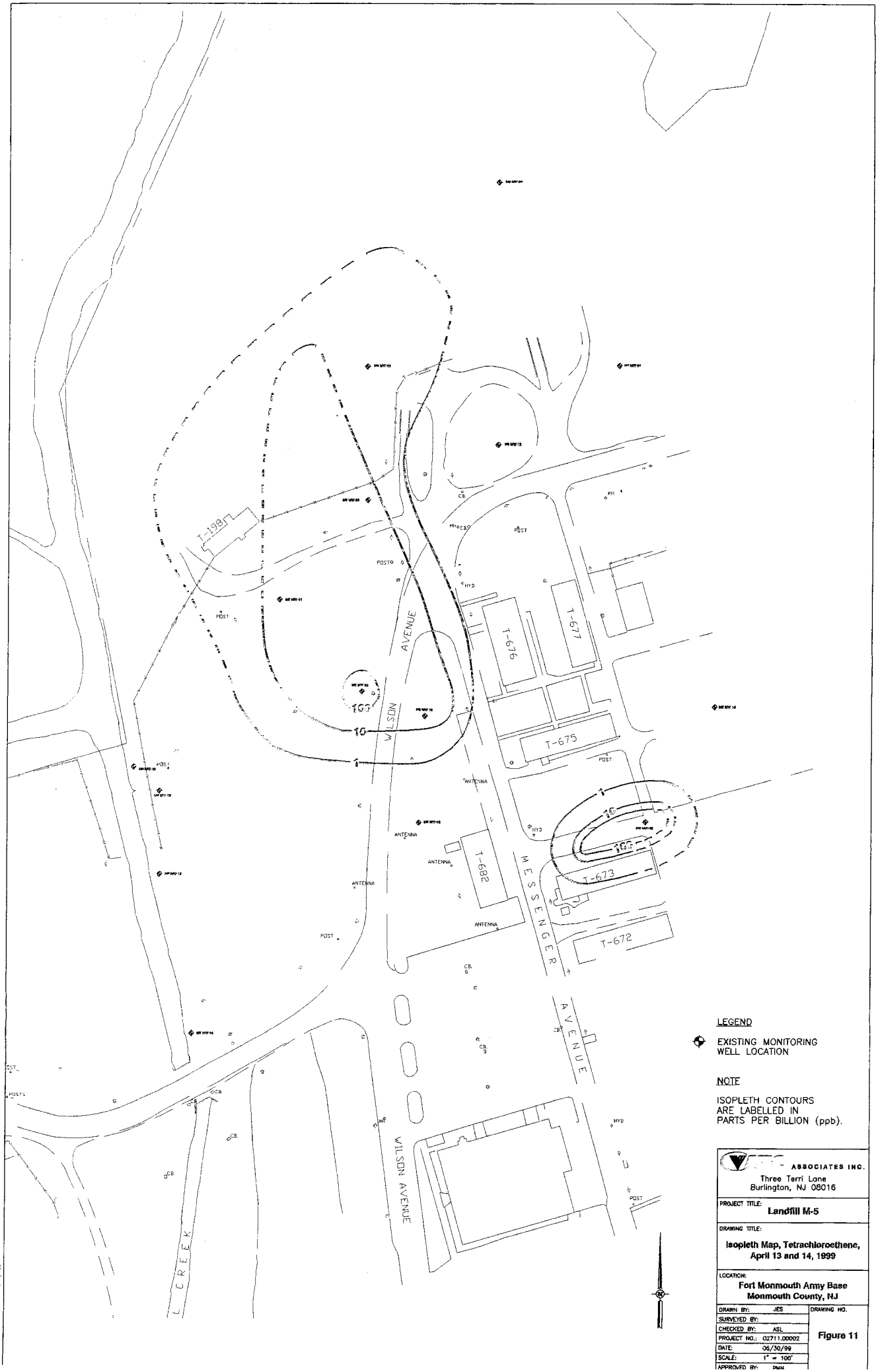
FIGURE 10
HISTORICAL PCE CONCENTRATIONS AT MW-11

LANDFILL M-5
FORT MONMOUTH ARMY BASE, NEW JERSEY





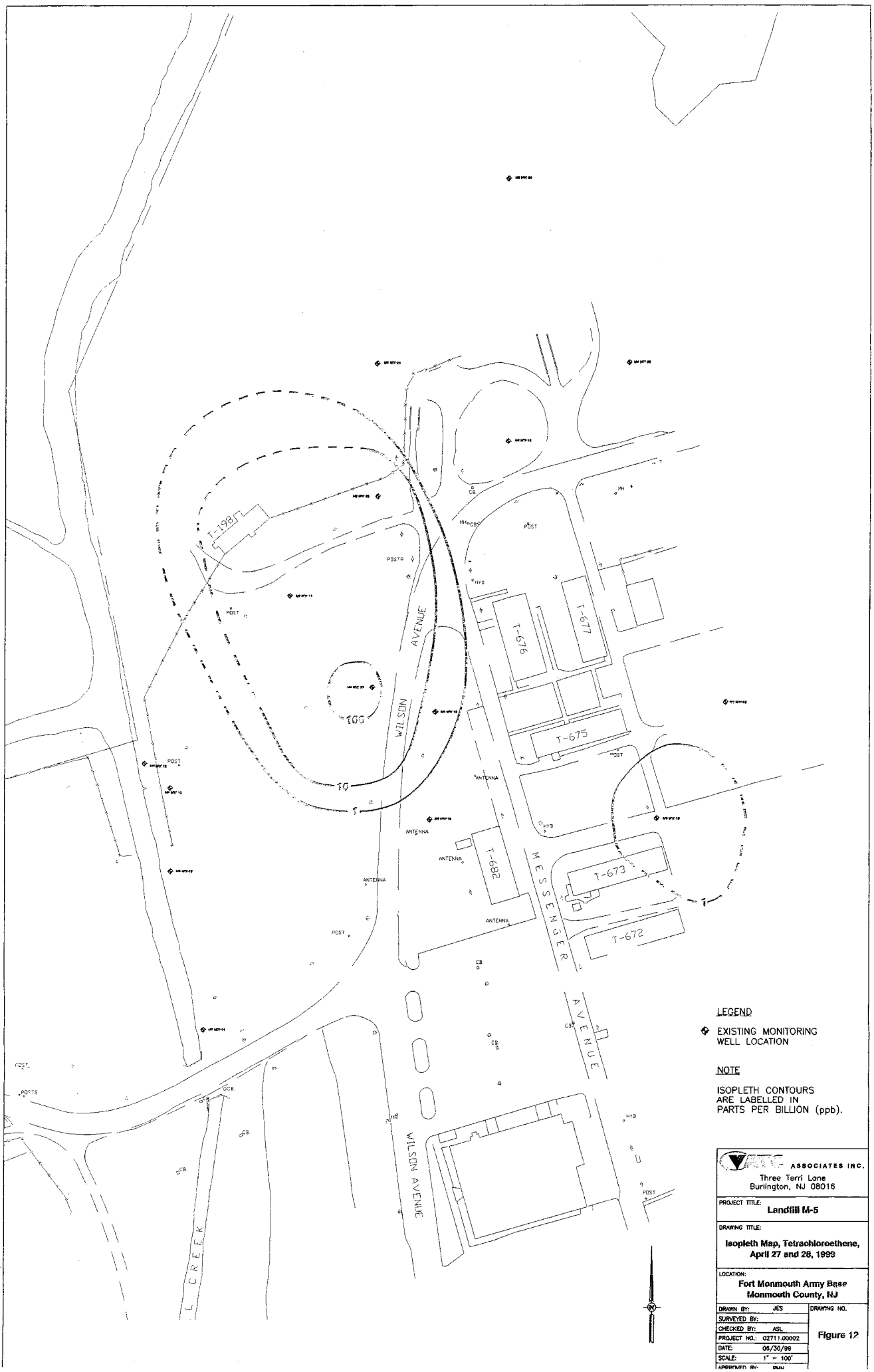
ASSOCIATES INC.
Three Terri Lane
Burlington, NJ 08016

PROJECT TITLE: **Landfill M-5**

DRAWING TITLE: **Isopleth Map, Tetrachloroethene, April 13 and 14, 1999**

LOCATION: **Fort Monmouth Army Base Monmouth County, NJ**

DRAWN BY:	JES	DRAWING NO.
SURVEYED BY:		Figure 11
CHECKED BY:	ASL	
PROJECT NO.:	02711.00002	
DATE:	06/30/99	
SCALE:	1" = 100'	
APPROVED BY:	PMN	



LEGEND

EXISTING MONITORING WELL LOCATION

NOTE

ISOPLETH CONTOURS ARE LABELLED IN PARTS PER BILLION (ppb).

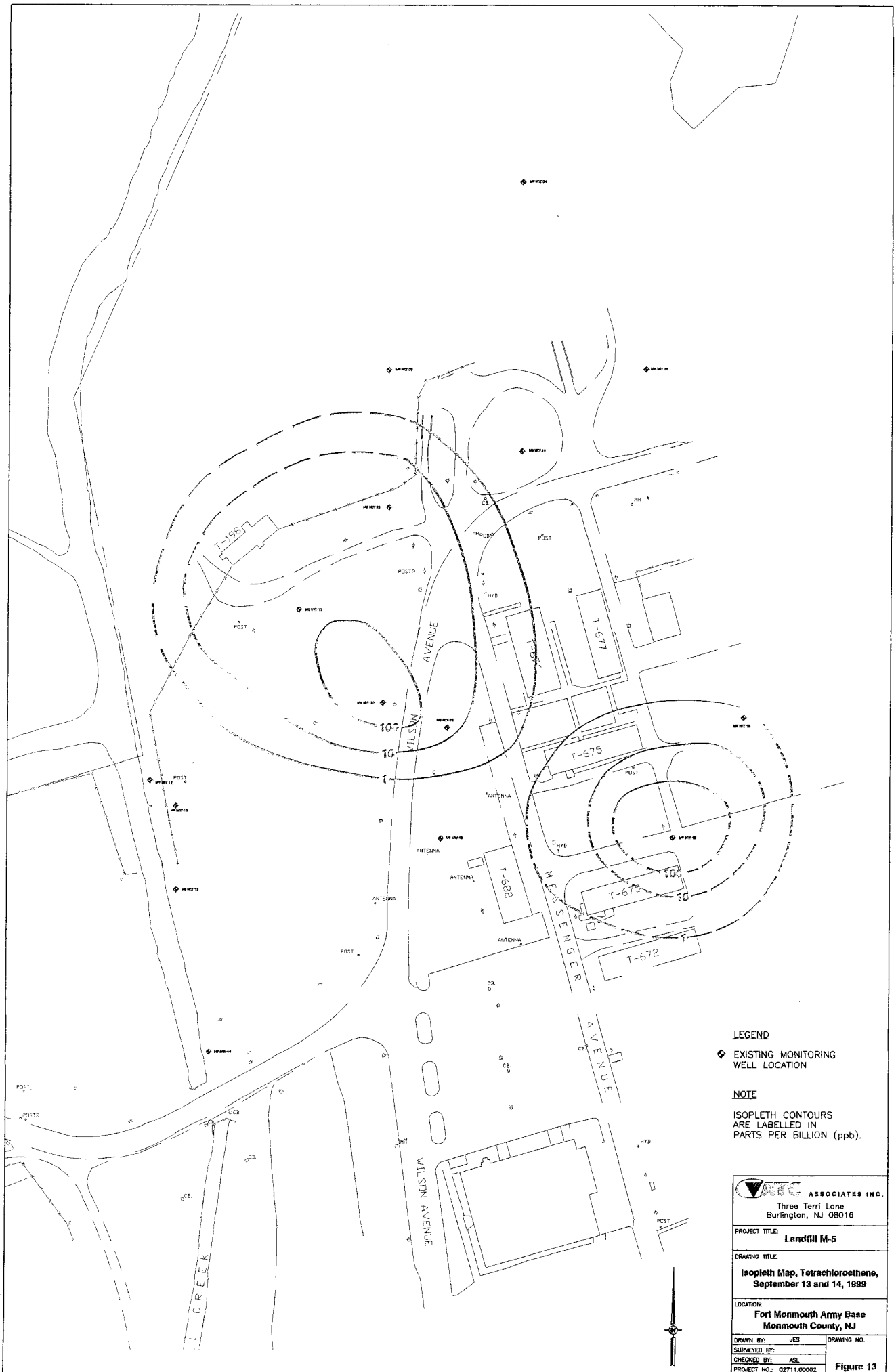
ASSOCIATES INC.
Three Terri Lane
Burlington, NJ 08016

PROJECT TITLE: **Landfill M-5**

DRAWING TITLE: **Isopleth Map, Tetrachloroethene, April 27 and 28, 1999**

LOCATION: **Fort Monmouth Army Base Monmouth County, NJ**

DRAWN BY:	JES	DRAWING NO.
SURVEYED BY:		Figure 12
CHECKED BY:	ASL	
PROJECT NO.:	02711.0000Z	
DATE:	06/30/99	
SCALE:	1" = 100'	
APPROVED BY:	RMN	



ARC ASSOCIATES INC.
Three Terri Lane
Burlington, NJ 08016

PROJECT TITLE: **Landfill M-5**

DRAWING TITLE: **Isopleth Map, Tetrachloroethene, September 13 and 14, 1999**

LOCATION: **Fort Monmouth Army Base Monmouth County, NJ**

DRAWN BY:	JES	DRAWING NO.
SURVEYED BY:		
CHECKED BY:	ASL	Figure 13
PROJECT NO.:	02711.00002	
DATE:	11/10/99	
SCALE:	1" = 100'	

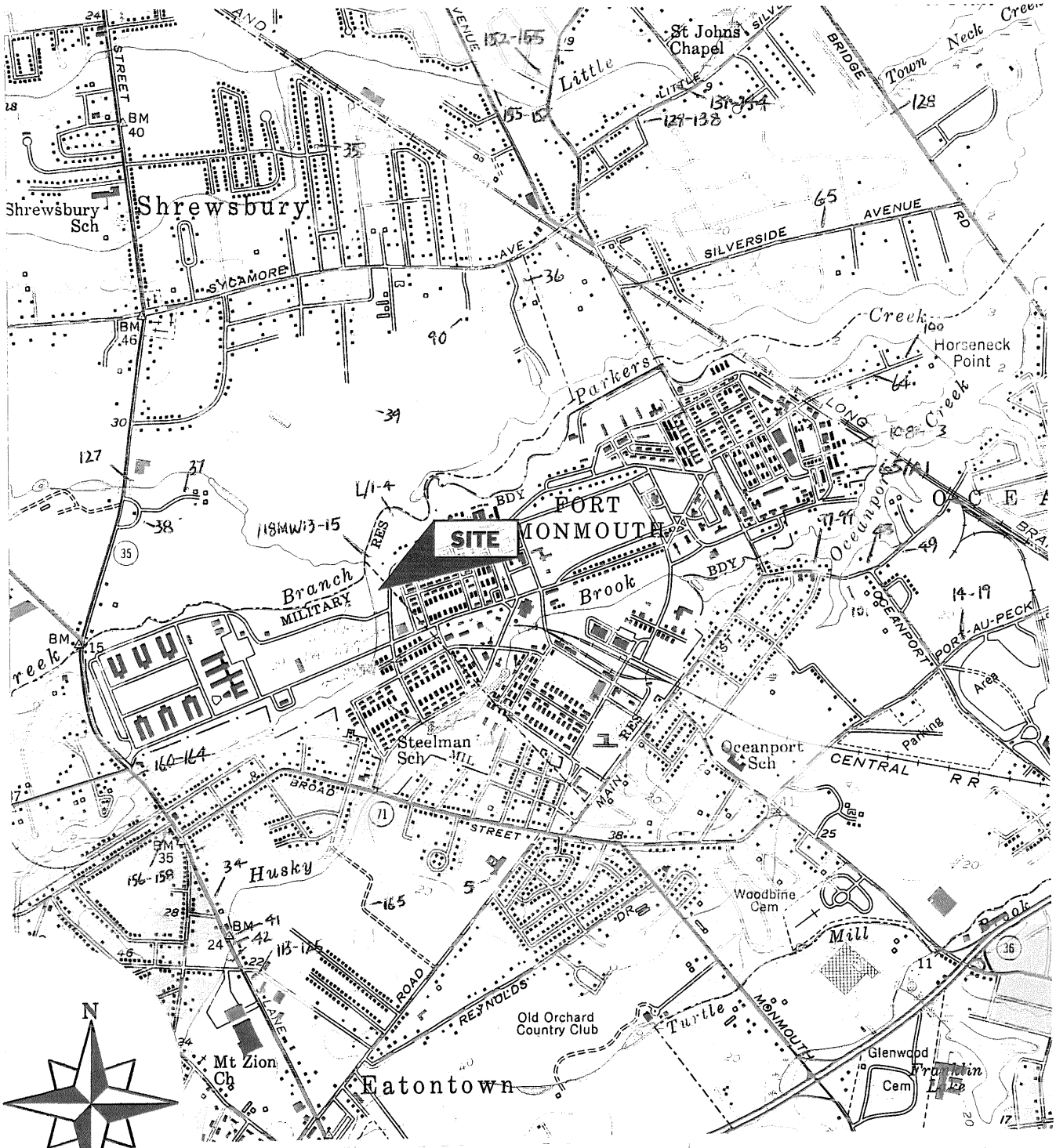
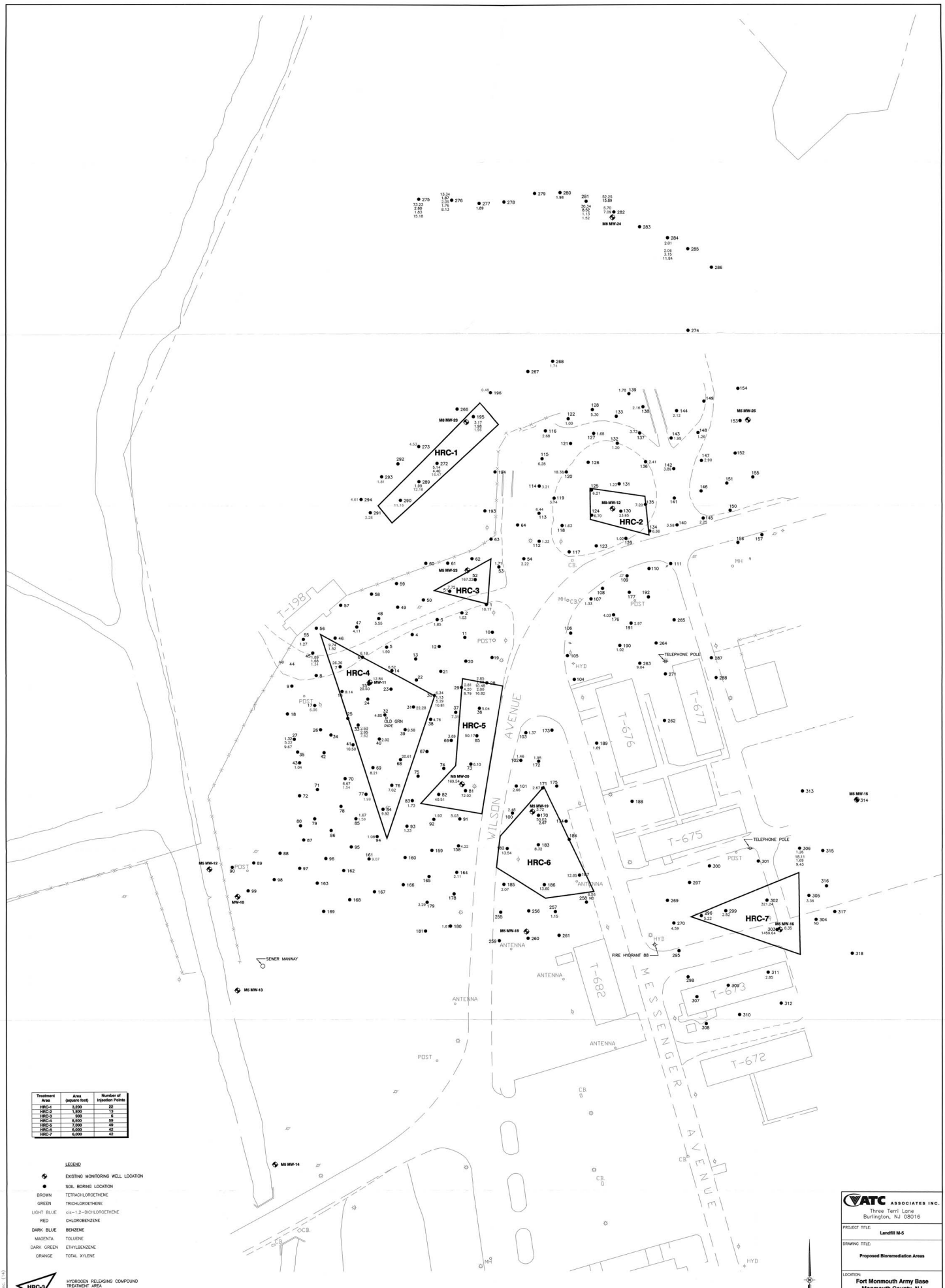


FIGURE 14 – WELLSEARCH MAP

Client: U. S. Army Fort Monmouth	ATC ASSOCIATES INC. Three Terri Lane, Burlington, New Jersey 08016
Site Address: Fort Monmouth Main Post, Landfill M5 Fort Monmouth, New Jersey	
Project Number: 02711.00002	**Scale:** 1: 24,000

Copied From: United States Geological Survey Topographic Map 7.5 Minute Series, Long Branch, New Jersey Quadrangle (1954, photorevised 1970).



Treatment Area	Area (square feet)	Number of Injection Points
HRC-1	3,200	22
HRC-2	1,800	12
HRC-3	500	3
HRC-4	8,500	59
HRC-5	7,000	49
HRC-6	6,000	42
HRC-7	6,000	42

LEGEND

EXISTING MONITORING WELL LOCATION

SOIL BORING LOCATION

BROWN	TETRACHLOROETHENE
GREEN	TRICHLOROETHENE
LIGHT BLUE	cis-1,2-DICHLOROETHENE
RED	CHLOROBENZENE
DARK BLUE	BENZENE
MAGENTA	TOLUENE
DARK GREEN	ETHYLBENZENE
ORANGE	TOTAL XYLENE

HRC-3 HYDROGEN RELEASING COMPOUND TREATMENT AREA

ATC ASSOCIATES INC.
Three Terri Lane
Burlington, NJ 08016

PROJECT TITLE: Landfill M-S

DRAWING TITLE: Proposed Bioremediation Areas

LOCATION: Fort Monmouth Army Base
Monmouth County, NJ

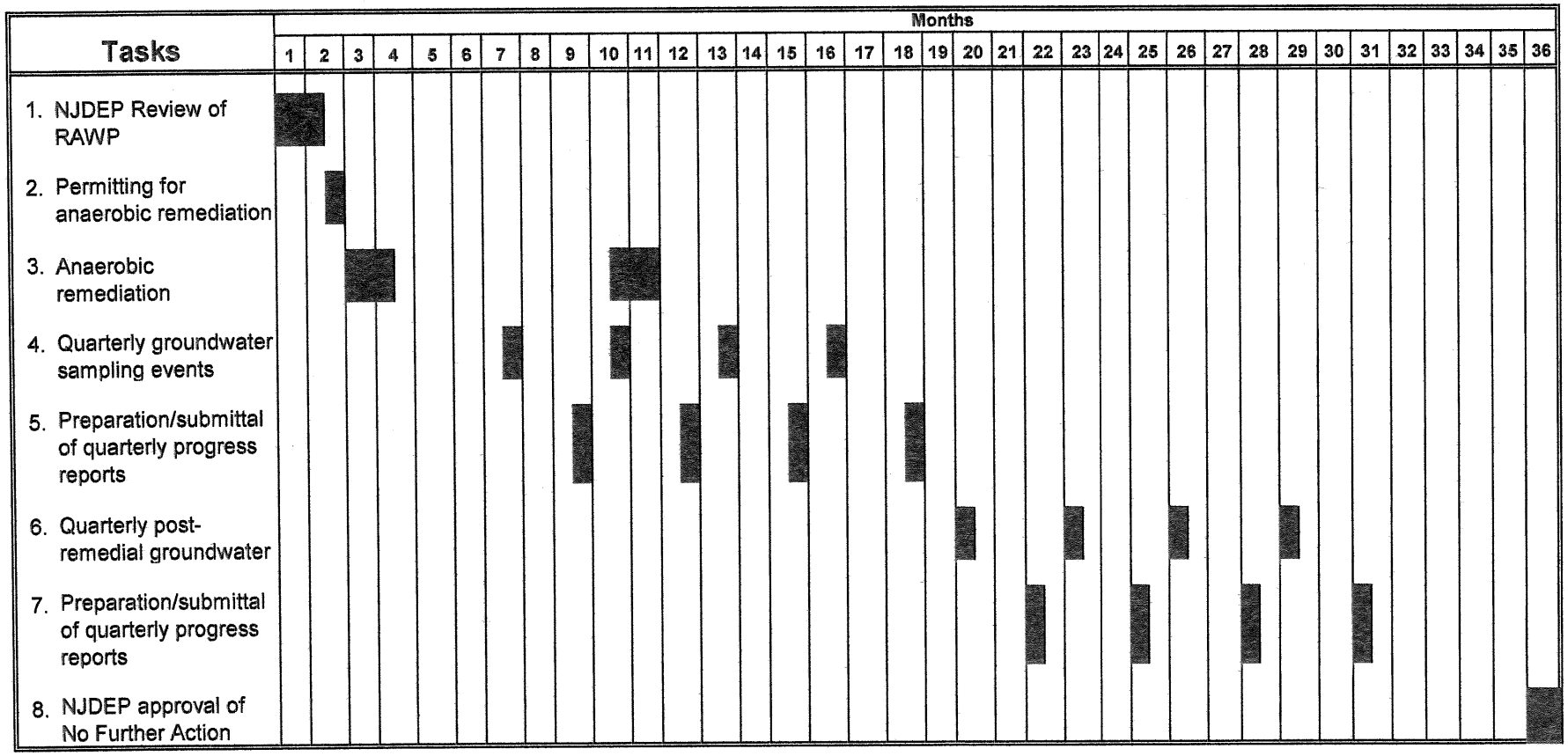
DRAWN BY:	JES
SURVEYED BY:	
CHECKED BY:	ASL
PROJECT NO.:	02711.00002
DATE:	11/04/98
SCALE:	1" = 30'
APPROVED BY:	PMN

DRAWING NO.

Figure 15

Source: ATC Associates Inc. (14)

Figure 16
Project Schedule
Fort Monmouth Main Post, Fort Monmouth, New Jersey



APPENDIX A

DEPARTMENT OF PUBLIC WORKS – STANDARD OPERATING PROCEDURES

STANDARD OPERATING PROCEDURE

SOP No.: SAM-0204 A
Revision No.: New
Date Revised: 6-21-99

CATEGORY: Sample Handling
TITLE: Geoprobe Sampling Methods for Site M-5

1 PURPOSE: To document the procedures utilized to facilitate the collection of soil and ground water samples at Site M-5.

2 RESPONSIBILITY: Designated field samplers who have been properly instructed and trained in field sampling protocol and techniques.

3 REFERENCES:

3.1 Field Sampling Procedures Manual, May 1992, New Jersey Department of Environmental Protection.

3.2 Geoprobe Tools and Equipment Catalog 98/99.

4 SUMMARY: This SOP represents all general field sampling requirements as required by the NJDEP. It specifically addresses the proper use of personal protective equipment, collection of QA/QC samples, field decontamination procedures, proper documentation of all field activities, collection of samples into proper containers with the proper preservation and the techniques for collecting each type of sample.

4.1 As a minimum, all field personnel were required to have work boots (steel toe construction), safety glasses or goggles, hard hat and gloves available for all sampling activities. Standard latex surgical gloves were worn at all times when samples were collected or handled.

4.2 Proper documentation of all site activities was crucial. Documentation was maintained to trace the possession and handling of samples from the time of collection, through analysis and disposal.

Prepared By	Mark Jam	Date	8-11-99
Approved By	Jackie Hemer QA Manager / Laboratory Director	Date	8/11/99

4.3 Every field sampler (team) was required to maintain a bound field-sampling logbook with permanently numbered pages. All field activities and notes were documented in this book. Notations were made in logbook fashion, noting the time and date of all entries. Information recorded in the logbook included name and location of site investigation, date and time of arrival and departure, persons contacted, weather conditions, samples taken, method and time of collection and depths if required. Field instrument calibrations are kept in separate books.

4.4 Sample containers were labeled after sample collection. Sample labels included the following information: well or sample number, parameters, preservatives, date and time of sample collection, sampler's initials and site name/location.

4.5 Sample container types utilized during the execution of this project are as follows:
4.5.1 (1) Two ounce clear glass containers with teflon lined lids.
4.5.2 (1) Two ounce clear glass containers with septum.
4.5.3 (2) 40ml clear VOA vials.

4.6 A chain of custody (COC) form was completed in the field and accompanied each set of samples collected. The COC is a legal record of sample possession to include the request for analysis. It bears the name of the person assuming responsibility for the samples. A copy of a COC can be found in SAM-0201, Attachment 2 (Sample Receiving, Log-In and Disposal).

4.7 Sample collection techniques were accomplished as follows:

4.7.1 A Macro Core Sampler ® was utilized for the purpose of collecting soil samples (Ref.5.1). Samples were collected using the methanol extraction method (Ref. SAM 0207).

4.7.2 After completion of soil sampling activities, a pre-probe was driven approximately three feet into the saturated water zone and extracted (Ref.6.2).

4.7.3 A one-inch polyvinyl chloride (PVC) screen was carefully placed in the bore-hole into the saturated zone (Ref.6.2).

4.7.4 A peristaltic pump was then used to purge the ground water from the PVC screen (Ref.6.3).

4.7.5 A sample was taken using a disposable polyethylene bailer.

4.8 Samples were properly preserved and the correct size, shape and color containers were used. Guidelines for sample containers and preservation can be found in SOP SAM-0200 (Sample Containers, Preservation and Holding Time).

4.9 Equipment List:
- 4.9.1 Geoprobe Macrocore Sampler® Assembly
- 4.9.2 Bedrock one inch .10 slot, schedule 40, PVC screen
- 4.9.3 Bedrock one inch schedule 80 PVC point
- 4.9.4 Bedrock one inch schedule 40 PVC riser
- 4.9.5 3/8" inch food grade polyethylene tubing (disposable)
- 4.9.6 ¼" inch I.D. surgical tubing
- 4.9.7 Masterflex® Peristaltic Pump

4.10 Decontamination Procedures for Field Sampling Equipment
- 4.10.1 Items decontaminated are as follows:
- 4.10.2 Macro Core Sampler® and associated parts.
- 4.10.3 Pre-probe point and rods implemented in its use.
- 4.10.4 Aqueous Sampling Decontamination Steps:
  - 4.10.4.1 Detergent plus tap water wash
  - 4.10.4.2 Generous tap water rinse
  - 4.10.4.3 DI water rinse
  - 4.10.4.4 Nitric acid rinse (if sampling for metals)
  - 4.10.4.5 DI water rinse
  - 4.10.4.6 Acetone rinse (if sampling for organic parameters)
  - 4.10.4.7 Total air dry
  - 4.10.4.8 DI water rinse

- 4.10.5 Non-Aqueous Sampling Decontamination Steps:
  - 4.10.5.1 Detergent plus tap water wash
  - 4.10.5.2 Generous tap water rinse
  - 4.10.5.3 DI water rinse

5 GEOPROBE SAMPLING FOR SOILS:

5.1 Sampling with the Macro Core Sampler: The Macro Core sampler is a steel tube that measures two inches in diameter by forty-eight inches in length. The complete assembly consists of the tube, a cutter shoe, a liner tube, and a drive head that is connected to drill rod and advanced into the soil strata. The liner is manufactured of Polyethylene Tera-Phthalate Glycol (PETG) material as well as other materials. The liner is one point seventy-five inches in diameter and forty-six inches long. It can hold up to approximately thirteen hundred milliliters of soil when full recovery is obtained. The sampler is decontaminated (Ref.4.11.5), put together and introduced into the soil from zero grade and driven to the desired depth. The sampler is meant to be used mainly as an open advanced bore-hole system. The sampler was pushed and/or percussion hammered into the soil, extracted out of the soil, and opened.

5.2 Sampling Procedures: After the sampler was extracted out of the bore-hole, the liner was removed, cut open and screened with a photo ionization instrument (HNU®) and/or a flame ionization instrument (OVA®). Samples recovered from the vadose zone for VOA analysis were collected using the methanol extraction method (REF.SAM 207). These samples were collected as soon as possible to prevent contaminant volatilization. Additional VOA samples may have been collected from other intervals of the soil column based upon visual observations and field instrument readings. Field notes were written as to note soil structures, colors and any other materials. Odors and any other factors regarding the sample were noted as well.

6 GEOPROBE SAMPLING FOR GROUNDWATER:

6.1 Ground Water Sampling with the use of a Passively Placed Narrow Diameter Point (PPNDP): A narrow diameter point (PPNDP) is a small diameter («-1 inch OD) screened casing passively placed in a bore-hole. A solid push rod (pre-probe) was used to create a narrow diameter hole to a depth below the water table. This was performed with a rotary hammer. A piece of schedule 40 PVC screen with 0.010-inch slots and an end cap was placed at the bottom of each bore-hole from the point where the last soil sample was collected. No filter or gravel pack was used in the construction of each well sampling point. Each well point was utilized for period of less than 48 hours.

6.2 Installation: Within each bore-hole, commencing from the point where the last soil sample was collected, the pre-probe was driven to a depth of 1-3 feet below the water table. The screened section of PVC was placed into the bore-hole so the screened interval was across the ground water table. Prior to installation of the PPNDP, knowledge of the depth to water was established from previous soil sampling activities.

6.3 Sampling Procedure: Three to five volumes of the standing water in the PPNDP were purged prior to sample collection. This was accomplished utilizing a peristaltic pump. The tubing used for the well purging was food grade polyethylene and silicon surgical tubing that was discarded after each purging event. Disposable polyethylene bailers were used to collect ground water samples for VOA analysis. Following sample collection, the PVC screen was removed from each bore-hole. Granular bentonite was then added to a level just above the saturated zone. Soils previously removed during sampling activities were then reintroduced back into each bore-hole and compacted.

6.4 Quality Assurance/Quality Control: The PPNDP and associated equipment (bull point, riser pipe, etc.) were decontaminated between borings using the following procedure: 1) Removed all adherent soil material. 2) Washed with a laboratory grade glassware detergent. 3) Rinsed with potable water. Rinsed with distilled and de-ionized ASTM Type II water. Field blanks were obtained in the same manner as the sample. The blank water was passed through the sample device and the PPNDP prior to installation, then into the sample container. The parameters and frequency for field blanks are designated in the May 1992 edition of the NJDEP Field Sampling Procedures Manual.

7 QUALITY CONTROL:

7.1 QA/QC samples are intended to provide control over the collection of environmental measurements and subsequent validation, review and interpretation of generated analytical data.

7.1.1 Trip blanks were used exclusively for volatile organic analysis, (aqueous sampling only) and their purpose was to measure possible cross contamination of samples during shipment to and from the site. The trip blanks were never opened and traveled to the site with the empty sample bottles and back from the site with the collected samples. Contaminated trip blanks may also indicate bottle cleaning or blank water of questionable quality. Trip blanks were included at the rate of one per day.

7.1.2 The purpose of a field blank is to place a mechanism of control on sample equipment handling, preparation, storage and shipment. Field blanks traveled and were stored with the sample bottles. Field blanks were collected in the following manner. Two identical sets of bottles were prepared. One set was filled with laboratory demonstrated analyte free water (same water used for trip and method blanks). All of the filled bottles were shipped with the other empty sample containers. At the field location, in an area where contamination was suspected, the water was passed from the full set of like-bottles through the dedicated or field decontaminated sampling device and into the empty set of like-bottles. Field blanks were preserved identically to samples receiving the same analyses. Field blanks were collected and analyzed for all of the same parameters as the samples collected that day.

7.1.3 Duplicate sample collection. For aqueous samples, duplicates were taken by alternating filling containers from the same sampling device for each of the required parameters. VOA samples, to include duplicate samples, were always taken from discrete locations or intervals without compositing or mixing. Duplicates were collected at the rate of one per twenty.

CATEGORY: Sample Handling
TITLE: Field Sampling / Methanol Extraction

1 PURPOSE: To document the current procedures for sample collection using the Methanol Extraction Method.

2 RESPONSIBILITY: Designated field samplers who have been properly instructed and trained in field sampling protocol and techniques.

3 REFERENCES: NJDEP Methodology For The Field Extraction/ Preservation Of Soil Samples With Methanol For Volatile Compounds. February 1997.

4 SUMMARY: This method describes the container preparation,field sampling and field extraction/preservation procedure to be used in conjunction with the analysis of soil samples for volatile organics.

4.1 Soil samples collected for volatile organic analysis must be handled in a manner which will minimize the loss of contaminants due to volatilization and biodegradation. Field extraction/preservation with methanol must be conducted to ensure that contaminants do not degrade or volatilize during sample handling and transport.

4.2 A small diameter soil core sampling device is used to collect a 10 gram soil sample.The sample is extruded into a tared sample container, supplied by the laboratory performing the analysis.

5 SAMPLE COLLECTION METHODOLOGY:

5.1 Soil sample collection for volatile organic analysis must be performed with the use of a decontaminated small diameter coring device. A modified 10-30 ml disposable syringe or commercially available small diameter tube/plunger sampler is acceptable. The small diameter coring device must be capable of collecting the required amount of sample from larger diameter core samplers (split spoons, etc.) or from freshly exposed soils.

5.2 If a modified disposable syringe is used it can be prepared in-house by cutting off the injection tip. Depending upon the construction of the syringe, small air vents must be cut into the plunger or if a modified disposable syringe is used it can be prepared in-

Prepared By	Mark R Fern	Date	7-19-99
Approved By	D. Wright QA Manager / Laboratory Director	Date	7-19-99

house by cutting off the injection tip. Depending upon the construction of the syringe, small air vents must be cut into the plunger or the rubber tip and retaining post must be removed. These alterations to the plunger will prevent air from being forced through or around the soil plug during subcoring and sample extrusion.

5.3 The small diameter core sampler must be capable of delivering the sample directly into the sample container. The outer diameter of the core sampler must be smaller than the inner diameter of the sample container to avoid loss of sample and ease the soil transfer process.**The sample from the small diameter core cannot be transferred to a secondary container such as another sample bottle, zip lock bag, aluminum foil, etc. prior to placement into the sample container with the methanol preservative.**

5.4 Use a small electronic balance or manual scale for measuring the weight of the soil in the syringe. The scale must be calibrated before use, and intermittently the calibration should be checked during the sampling day to ensure accuracy of the weight measurements.

5.5 Tare weigh the small diameter core sampler

5.6 Once the sampling interval has been selected, trim off the surface soils of the sample interval to expose a fresh soil surface. The loss of volatile organics from the surface soils will occur if the soil has been exposed for a short period of time (during screening, etc.). The removal of the surface soils can be accomplished by scraping the soil surface using a decontaminated spatula or trowel The sampling procedure must commence immediately once a fresh soil surface has been exposed.

5.7 Using a decontaminated coring device, collect 10g ≮2g (8-12grams) of sample (wet weight). Wipe the outside of the subcoring device to remove any adherent soil. The plunger of the coring device can be pulled back or completely removed allowing the open barrel of the subcore to be inserted into the soil. Depending upon the soil texture, depth or moisture content, the subcore can be inserted straight into the soil, on an angle or multiple insertions can be performed to obtain the required sample weight.

5.8 Quickly weigh the sample while contained in the small diameter core sampler. Excess soil sample can be removed from the coring device by extruding a small portion of the core and cleaning away with a decontaminated trowel or spatula. **If soil weight is below the weight limit, obtain additional sample. Reweigh after each addition or removal of sample to the subcore until the target weight is attained (8-12g). Analytical results from a sample exceeding the weight maximums and minimums may be rejected and thus require resampling.**

5.9 When sampling soils consisting of similar textures and water content, sample weight can be estimated based on volume of previously weighed samples from sampling or practice core sampling to determine sample weights.

5.10 Immediately open the sample container and slowly extrude the soil core into the preweighed and prenumbered sample container supplied by the laboratory

performing the analysis. Avoid splashing methanol out of the sample container. Do not insert the small diameter coring device into the mouth of small diameter sample containers (40ml or 60ml VOA vials) or immerse the small diameter soil coring device into the methanol.

5.11 Ensure the threads on the sample container and cap are free of soil particles. Use a clean brush or paper towel to remove the particles off the threads. The presence of soil particles compromises the seal of the container resulting in loss of methanol which may invalidate the sample.

5.12 Secure the lid of the sample container. Gently swirl the sample to mix and break up the soil aggregate until soil is covered with methanol. **Do not shake.**

5.13 Do not attach any additional adhesive backed labels or tape to the sample containers. Record sample numbers on container avoiding covering laboratory identification number. Labels with wire or rubber band attachments may be used provided they can be removed easily for sample weighing. Record laboratory and field identification numbers on chain of custody and field notes.

5.14 The actual weight of soil will be determined by the laboratory performing the analysis.

5.15 Do not use or submit samples for analysis if any methanol has spilled from a sample container during shipment to the site or during sampling. Extra sample containers can be made available by the laboratory in case of accidental spillage of methanol in the field.

5.16 After sample collection, immediately return the containers to an iced cooler in an upright position. Sample containers can be placed in separate ziplock bags to protect other containers in case of leakage during transport. The laboratory sample number or field sample identification number may be placed on the bag and crossed referenced on the Chain of Custody. Do not place additional adhesive backed labels or tape on the sample containers. If any methanol is lost from a sample container upon arrival at the laboratory, the sample is invalid and resampling must be performed.

6 MOISTURE DETERMINATION:

6.1 To report the sample results on a dry weight basis, collect one duplicate sample **not preserved with methanol** from each sample location for moisture determination. Tightly seal the container to prevent the loss of soil moisture. This sample does not require to be weighed or preserved with methanol. This is taken for a percent solids analysis and a two ounce container is sufficient for this sample, it is taken for each methanol sample taken including duplicates.

7 QA/QC SAAMPLE AND DECONTAMINATION REQUIREMENTS

7.1 **The collection of an Ambient Blank is not required when sampling is performed using the methanol extraction/preservation technique**. It will be optional at the discretion of the site investigation team, or will be required on a site specific basis if previous elevated analytical results are suspected due to contamination from the sampling environment.

7.2 If Ambient Blanks are employed, the frequency of collection should be one (1) per day or at the discretion of the investigation team based on site conditions.

8 FIELD BLANK:

8.1 A Field Blank is a QA/QC sample which will determine potential contamination from sampling equipment used to collect and transfer samples from the point of collection to the sample container.

8.2 **A Field Blank is not required when sampling with the methanol extraction/preservation technique.** It is optional, or will be required on a site specific basis if previous elevated analytical results are suspected due to cross contamination from sampling equipment.

8.3 A Field Blank is performed by pouring demonstrated analyte free water from one sample container, over each piece of sampling equipment required for sample collection and into a separate set of identical sample containers. Additional information on Field Blanks can be found in the NJDEP Field Sampling Procedures Manual, May 1992.

9 TRIP BLANK:

9.1 A Trip Blank is a QA/QC sample which will determine additional sources of contamination that may potentially influence the samples. The sources of the contamination may be from the lab, sample bottles or during shipment.

9.2 **A Trip Blank is required when sampling with the methanol extraction/preservation technique.** It will be required due to potential cross contamination from sample shipment or from handling at the laboratory.

9.3 A Trip Blank is prepared at the same time and in the same manner as the sample containers as described in Section 4.0. The Trip Blank must accompany the sample containers to the field and back to the laboratory along with the collected samples for analysis. It must remain sealed at all times until it is analyzed at the laboratory.

9.4 The frequency of collection for the Trip Blank must be at a rate of one (1) per sample shipment.

10 DUPLICATE SAMPLES:

10.1 Perform duplicate samples at a rate of five (5) percent (1 per 20 samples).

10.2 Duplicate samples must be obtained from the same location and soil type to minimize location as a potential source of variation in the analytical results. Separate core samples should be obtained for the sample and duplicate sample.

11 SAFETY:

11.1 Methanol is a toxic and flammable liquid. Therefore, methanol must be handled with all safety precautions related to toxic and flammable liquids. Inhalation of methanol vapors must be avoided. Vials should be opened and closed quickly during the sample preservation procedure. Methanol must be handled in a ventilated area. Use protective gloves when handling the methanol vials. Store methanol away from sources of ignition such as extreme heat or open flames. The vials of methanol should always be stored in a cooler with ice at all times.

STANDARD OPERATING PROCEDURE

SOP No.: SAM-0200
Revision No.: New
Date Revised: New

CATEGORY: Sample Handling
TITLE: Sample Containers, Preservation and Holding Times

1 PURPOSE: To document the sample containers, preservation and holding times requirements.

2 RESPONSIBILITY: Quality Assurance shall be responsible for maintaining and updating the sample containers, preservation and holding times SOP. These updates will occur annually at a minimum or as the methods' requirements change.

3 REFERENCES: Field Sampling Procedures Manual, May 1992. New Jersey Department of Environmental Protection.

4 SUMMARY: The following table is a summary of the sample containers, method required preservation and holding times of various analytical parameters. The summary will provide information to field sampling personnel and laboratory analysts. Additionally, this summary will aid individuals involved with data validation, quality assurance and sample receiving.

Table 1

Parameter	Container	Preservation	Holding Time*	Method
VOA AQ	2-40 ml septum, G Teflon lined cap	HCL, to pH <2 Cool, 4°C	14 days	624 (4), 8260 (2)
VOA Non-AQ	2 oz wide, G Teflon lined cap	Methanol, Cool, 4°C	14 days	8260 (2)
BNA AQ	1 L amber, G Teflon lined cap	Cool, 4°C	Extraction. 7 days Analysis 40 days	625 (4), 8270 (2)
BNA Non-AQ	4 oz wide, G Teflon lined cap	Cool, 4°C	Extraction. 14 days Analysis 40 days	8270 (2)

Prepared By Jackie Hemer Date 7-15-98

Approved By _____ Date 7-15-98
QA Manager / Laboratory Director

CATEGORY: Sample Handling
TITLE: Sample Containers, Preservation and Holding Times

Parameter	Container	Preservation	Holding Time*	Method
Pest/PCB AQ	1 L amber, G Teflon lined cap	Cool, 4°C	Extraction. 7 days Analysis 40 days	608 (4), 8080 8081/8082 (2)
Pest/PCB Non-AQ	4 oz wide, G Teflon lined cap	Cool, 4°C	Extraction. 7 days Analysis 40 days	8081/8082 (2)
Herbicides AQ	1 L amber, G Teflon lined cap	Cool, 4°C	Extraction. 7 days Analysis 40 days	8151 (2)
TPHC AQ	1 L amber, G Teflon lined cap	Cool, 4°C	Extraction. 7 days Analysis 40 days	OQA-QAM-25
TPHC Non-AQ	4 oz wide, G Teflon lined cap	Cool, 4°C	Extraction. 14 days Analysis 40 days	OQA-QAM-25
Metals AQ Minus Hg, Cr^{+6}	500ml Plastic	HNO_3 to pH <2	6 Months	600 Series(4), SW846 (2)
Metals Non-AQ Minus Hg, Cr^{+6}	4 oz wide, G Teflon lined cap	None	6 Months	SW846 (2)
Hg AQ	500ml Plastic	HNO_3 to pH <2	28 Days	600 Series(4), SW846 (2)
Hg Non-AQ	4 oz wide, G Teflon lined cap	None	28 Days	SW846 (2)
TSS AQ	100 ml Plastic	Cool, 4°C	7 Days	160.2 (1)
TS AQ	100 ml Plastic	Cool, 4°C	7 Days	160.3 (1)
DO AQ	300 ml BOD bottle	Fix on Site Store in Dark	8 Hours	405.1 (1)
COD AQ	100 ml Plastic	Cool, 4°C H_2SO_4 to pH <2	28 Days	410.4 (1)
BOD_5 AQ	1 L Plastic	Cool, 4°C	48 Hours	5210B (5)
pH AQ	25 ml Plastic or Glass	None	Immediately	9040 (2) 150.1 (1)
pH Non-AQ	4 oz wide, G Teflon lined cap	None	Immediately	9045 (2)

*Holding time begins at time of sample collection.

CATEGORY: Sample Handling
TITLE: Sample Containers, Preservation and Holding Times

Parameter	Container	Preservation	Holding Time*	Method
Total Organic Carbon (TOC) AQ	Glass Teflon lined cap	Cool, 4°C H_2SO_4 to pH <2	28 Days	415.1 (1)
Total Organic Carbon (TOC) Non AQ	4 oz Glass Teflon lined cap	Cool, 4°C	28 Days	9060 (2)
Ammonia AQ	1 L Plastic	Cool, 4°C H_2SO_4 to pH <2	28 Days	350.3 (1)
Chemical Oxygen Demand (COD) AQ	1 L Glass	Cool, 4°C H_2SO_4 to pH <2	28 Days	410.2 (1)
Cyanide, Total AQ	1 L Plastic	Cool, 4°C NaOH to pH>12	14 Days	335.2 (1)
Cyanide, Total Non-AQ	4 oz Glass Teflon lined cap	Cool, 4°C	14 Days	9010 (2)
Hardness as $CaCO_3$ AQ	100 ml Plastic	HNO_3 to pH<2	6 Months	130.2 (1)
Kjeldahl, Total AQ	1 //l Plastic	Cool, 4°C H_2SO_4 to pH <2	28 Days	351.3 (1)
Nitrate/Nitrite AQ	100 ml Plastic	Cool, 4°C H_2SO_4 to pH <2	28 Days	353.3 (1)
Nitrate AQ	100 ml Plastic	Cool, 4°C	48 Hours	352.1 (1)
Nitrite AQ	100 ml Plastic	Cool, 4°C	48 Hours	354.1 (1)
Phenolics AQ	1 L Amber	Cool, 4°C H_2SO_4 to pH <2	28 Days	420.1 (1)
Phosphorus, Total AQ	100 ml Plastic	Cool, 4°C H_2SO_4 to pH <2	28 Days	365.2 (1)
Sulfate AQ	100 ml Plastic	Cool, 4°C	28 Days	375.4 (1)
Specific Conductivity AQ	100 ml Plastic	Cool, 4°C	28 Days	120.1 (1)
Turbidity AQ	500 ml Plastic	Cool, 4°C	48 Hours	180.1 (1)
Surfactants, MBAS AQ	500 ml Plastic	Cool, 4°C	48 Hours	425.1 (1)

*Holding time begins at time of sample collection.

CATEGORY: Sample Handling
TITLE: Sample Containers, Preservation and Holding Times

Parameter	Container	Preservation	Holding Time*	Method
Ignitability	P, G	None	NA	1010 (2)
Reactivity - (HCN)	P, G	Cool, 4°C	14 Days	7.3.3 (2)
Reactivity- (H_2S)	P, G	Cool, 4°C	7 Days	7.3.4 (2)
Paint Filter Test	P, G	None	NA	9095 (2)

*Holding time begins at time of sample collection.

(1)-"Methods of Chemical Analysis of Water and Wastes", Environmental Monitoring and Support Laboratory, Office of Research and Development, U.S. Environmental Protection Agency, March 1983, EPA-600 4-79-020.

(2)-"Test Methods for Evaluating Solid Waste", Physical/Chemical Methods, SW-846, 3rd Edition.

(3)-Code of Federal Regulations, Title 40, Part 136.

(4)-"Methods for the Determination of Organic Compounds in Drinking Water", EPA-600/4-88/039, EMSL, USEPA, Cincinnati, OH 45268.

(5)-"Standard Methods for Water and Wastewater", 16th Edition.

STANDARD OPERATING PROCEDURE

SOP No.: SAM-0201
Revision No.: 1
Date Revised: 6/16/98

CATEGORY: Sample Handling
TITLE: Sample Receiving, Log-In and Disposal

1 PURPOSE: To document the procedure for the handling of coolers, logging in samples and disposal within the laboratory.

2 RESPONSIBILITY: Designated laboratory or administrative personnel who have been properly instructed and trained in the log-in procedure shall be responsible for checking in samples.

3 REFERENCE: Standard Methods for the Examination of Water and Wastewater, 18th Ed., 1989.

4 SUMMARY:

4.1 Using the Master Logbook, assign the next consecutive number as the FMETL project number for the samples.

4.1.1 Open the cooler and immediately check and record the cooler temperature by measuring the temperature of the cooler blank (bottle of water transported with samples).

4.1.2 Record the cooler temperature on the SAMPLE RECEIPT FORM, (Attachment 1).

4.1.3 Inspect the cooler contents by completing the top section of the SAMPLE RECEIPT FORM - Preliminary Examination Phase.

4.1.3.1 Remove samples and verify against the chain of custody to insure documentation accuracy and completeness.

4.1.3.2 Verify field identification numbers against the CHAIN OF CUSTODY FORM, (Attachment 2).

4.1.3.3 Assign each individual sample an FMETL ID # which is designated by the project number with a hyphenated suffix beginning with -1, and increasing consecutively for each sample in the project.

4.2 Inspect the samples for breakage, preservation, and overall condition by completing the center portion of the SAMPLE RECEIPT FORM - Log-In Phase.

Prepared By Jackie Heimer Date 8/4/98

Approved By [signature] Date 8/4/98
QA Manager / Laboratory Director

4.2.1 Any individual sample that requires acidic or basic preservation methods, determine its pH using pH paper.
4.2.2 Record the sample ID# and pH on the SAMPLE RECEIPT FORM.

4.3 In the event of any discrepancies with either the coolers or the samples, complete the laboratory corrective action memo in the lower section of the SAMPLE RECEIPT FORM.
4.3.1 Reference any discrepancies and document the corrective action taken (e.g. pH adjustment or re-attaching loose label).
4.3.2 Where corrective action requires notifying appropriate persons of the problem (e.g. for incorrect sample volumes or broken bottles that would require resampling), contact client or appropriate person immediately to resolve any discrepancies. Record the time and date of the notification on the lower section of the SAMPLE RECEIPT FORM and initiate a Corrective Action Report.

4.4 Record the required information on the CHAIN OF CUSTODY FORM:
4.4.1 Lab Sample ID#.
4.4.2 Date received and time received.
4.4.3 Project information (e.g. number of samples received, type of analyses).

4.5 Information on all samples received will then be entered into a bound logbook. This logbook will be of ledger type with columns and numbered pages. Each sample logbook will be sequentially numbered and on the outside cover, the starting date and sample numbers will be indicated. All entries will be made using a ballpoint pen with permanent ink. All errors will be crossed out with a single line and initialed. The following will be entered into the logbook:
4.5.1 Sample ID#
4.5.2 Location
4.5.3 Sample Date/Time
4.5.4 Matrix
4.5.5 Sampler
4.5.6 Analysis
4.5.7 Comments

4.6 A job folder will then be created. The job folder will be kept, sequentially, in a designated filing cabinet. The folder will contain the original chain of custody, sample receipt form and any field notes or maps. Data will be inserted into the folder, as it becomes available.

4.7 Deliver the logged-in samples to the proper storage areas (designated refrigerators). Proper storage of all samples prior to preparation and analysis is critical to the determination of accurate and high quality analytical results. Samples that are not properly stored may suffer degradation, volatilization, or reaction.

Refrigerator #	Samples
1	Volatiles
2	Semivolatiles
3	Extractions
4	Sample Receipt
5	Extracts
6	Metals/Wet Chemistry

4.8 Store samples that may easily be contaminated by other samples (such as drinking water samples) in a refrigerator separate from one where more highly contaminated samples are stored.

4.8.1 Monitor the temperatures of storage refrigerators daily to ensure sample integrity (see OQC-0303).

4.9 Deliver a copy of the CHAIN OF CUSTODY FORM to the various departments to notify analysts of the presence of the samples.

4.10 Each analysis has specified limits on Holding Times (see SAM-0200).

4.10.1 For samples received within 72 hours of sampling or before one-half of the holding time period is expired (whichever is less), the analyst will initiate sample preparation and/or analysis within the prescribed holding times.

4.10.2 For samples arriving after this, the client will immediately be informed of the status of the sample and told whether preparation and/or analysis can still be performed within established holding times. If preparation or analysis within the designated holding times is impossible, the client will be contacted for further instructions.

4.11 Due to limited refrigerator space, samples will be removed after a 90-day period or when analysis is complete.

4.11.1 Soil samples are emptied and returned to the site location.

4.11.2 Unpreserved aqueous samples are returned to their effluent discharge.

4.11.3 Preserved aqueous samples are disposed of into a 55-gallon acid/aqueous drum.

4.12 All waste materials classified as hazardous are managed in accordance with the Fort Monmouth Hazardous Waste Management Plan.

CATEGORY: Sample Handling
TITLE: Sample Receiving, Log-In and Disposal

Attachment 1

SAMPLE RECEIPT FORM

Date Received: _____ Lab Project ID#: _____

Site/Project Name: _____ Cooler Temp (d. C): _____

Received By: _____ Sign: _____
(print name)

Circle the appropriate answer

1. Did the samples come in a cooler?	yes	no
2. Were the chain of custody papers filled out correctly and legibly?	yes	no
3. Did you sign the chain of custody in the appropriate place?	yes	no
4. Did all the labels agree with the chain of custody and in good condition?	yes	no
5. Were the correct containers and/or preservatives used for the tests indicated?	yes	no
6. Was a sufficient amount of sample sent for the tests indicated?	yes	no
7. Were bubbles absent from aqueous VOC sample containers?	yes	no

Fill out the following table for each sample bottle

Sample ID	pH	Preservative	Sample ID	pH	Preservative

Comments: _____

CATEGORY: Sample Handling
TITLE: Sample Receiving, Log-In and Disposal

Attachment 2

CHAIN OF CUSTODY FORM

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:		Project No:				Analysis Parameters											**Comments:**
Phone #:		Location:															
( )DERA ( )OMA ( )Other:_____																	
Samplers Name / Company :				Sample Type	# bottles												Remarks / Preservation Method
Lab Sample I.D.	Sample Location	Date	Time														

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

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

Remarks:

STANDARD OPERATING PROCEDURE

SOP No.: SAM-0202
Revision No.: 1
Date Revised: 6/16/98

CATEGORY: Sample Handling
TITLE: Field Sampling

1 PURPOSE: To document the current procedures for sample collection.

2 RESPONSIBILITY: Designated field samplers who have been properly instructed and trained in field sampling protocol and techniques.

3 REFERENCES: Field Sampling Procedures Manual, May 1992. New Jersey Department of Environmental Protection.

4 SUMMARY: This SOP represents all general field sampling requirements as required by the NJDEP. It specifically addresses the proper use of protective equipment, collection of QA/QC samples, field decontamination procedures, proper documentation of all field activities, collection of samples into proper containers with the proper preservation and the techniques for collecting each type of sample.

4.1 Employees must use personal protective equipment (PPE) for adequate protection and to limit the level of exposure on site. The equipment selected must be appropriate to protect against all known and potential hazards. All field personnel are required to be familiar with the potential hazards that may be encountered on site prior to entry.

4.2 As a minimum, all field personnel are required to have work boots (steel toe construction), safety glasses or goggles, hard hat and gloves available for all sampling activities). Standard latex surgical gloves will be worn at all times when samples are collected or handled.

4.3 Proper documentation of all site activities is crucial. Documentation must be maintained to trace the possession and handling of samples from the time of collection, through analysis and disposal.

4.4 Every field sampler (team) is required to maintain a bound field-sampling logbook with permanently numbered pages. All field activities and notes will be documented in this book. Notations should be made in logbook fashion, noting the time and date of all entries. Information recorded in the logbook will include: name and location of site investigation, date and time of arrival and departure, persons contacted, weather conditions, samples taken, method and time of collection and depths if required.

Prepared By	Jackie Hemes	Date	7-2-98
Approved By	QA Manager / Laboratory Director	Date	7-15-98

Field instrument calibrations are kept in separate books.

4.5 Sample containers should be pre-labeled before sample collection. Sample labels should include the following: well or sample number, parameters, preservatives, date and time of sample collection, sampler's initials and site name/location.

4.6 A chain of custody (COC) form must be completed in the field and accompany each set of samples collected. The COC is a legal record of possession of the samples and of request for analysis. It bears the name of the person assuming responsibility of the sample. A copy of a chain of custody is enclosed for reference (Appendix 1).

4.7 Due to the variety of sampling techniques, it is impractical to summarize then in this document. It is therefore required that each field technician read and review the May 1992 NJDEP Field Sampling Guidebook for the required techniques.

4.8 The QA/QC samples are intended to provide control over the collection of environmental measurements and subsequent validation, review and interpretation of generated analytical data.

4.8.1 The trip blank is used exclusively for volatile organic analysis, (aqueous sampling only) and its purpose is to measure possible cross contamination of samples during shipping to and from the site. The trip blank is never opened and travels to the site with the empty sample bottles and back from the site with the collected samples. Contaminated trip blanks may also indicate bottle cleaning or blank water of questionable quality. Trip blanks must be included at the rate of one per sample shipment (not to exceed two consecutive field days).

4.8.2 The purpose of a field blank is to place a mechanism of control on sample equipment handling, preparation, storage and shipment. The field blank travels and is stored with the sample bottles. It is a representative of bottle shipment effects on sample quality. Field blanks are collected in the following manner. Two identical sets of bottles are prepared. One set is filled with laboratory demonstrated analyte free water (same water used for trip and method blanks). All of the filled bottles are shipped with the other empty sample containers. At the field location, in an area where contamination is suspected, the water is passed from the full set of like-bottles through the dedicated or field decontaminated sampling device and into the empty set of like-bottles. Field blanks are to be preserved identically to samples receiving the same analyses. Field blanks are collected and analyzed for all of the same parameters as the samples collected that day.

4.8.3 Duplicate samples may be required on a contract or site specific basis. For aqueous samples, duplicates are taken by alternating filling containers from the same sampling device for each of the required parameters. For non-aqueous matrices, obtaining duplicates requires homogenization of the

sample aliquot prior to filling sample containers. Regardless, volatile organic samples must always be taken from discrete locations or intervals without compositing or mixing.

4.9 Samples shall be properly preserved and the correct size, shape and color containers shall be used at all times. Guidelines for sample containers and preservation can be found in SOP SAM-0200.

4.10 Decontamination Procedures for Field Sampling Equipment

4.10.1 Aqueous Sampling

4.10.1.1 Detergent plus tap water wash
4.10.1.2 Generous tap water rinse
4.10.1.3 DI water rinse
4.10.1.4 Nitric acid rinse (if sampling for metals)
4.10.1.5 DI water rinse
4.10.1.6 Acetone rinse (if sampling for organic parameters)
4.10.1.7 Total air dry
4.10.1.8 DI water rinse

4.10.2 Non-Aqueous sampling

4.10.2.1 Detergent plus tap water wash
4.10.2.2 Generous tap water rinse
4.10.2.3 DI water rinse

CATEGORY: Sample Handling
TITLE: Field Sampling

Attachment 1

CHAIN OF CUSTODY

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer:	Project No:	Analysis Parameters	Comments:
Phone #:	Location:		
( )DERA ( )OMA ( )Other:_____			

Samplers Name / Company :

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles									Remarks / Preservation Method

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

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

Remarks:

STANDARD OPERATING PROCEDURE

SOP No.: SAM-0203
Revision No.:1
Date Revised:6/24/98

CATEGORY: Sample Handling
TITLE: Preparation of Soil Sample Jars for Methanol Volatile Analysis

1 PURPOSE: To document the NJDEP requirements for volatile soil sampling.

2 RESPONSIBILITY: Designated sample log-in and field sampling personnel who have been properly instructed and trained.

3 REFERENCES: Field Extraction/Preservation of Soil Samples with Methanol for VOC Analysis, Van Sciver & Andreas.

4 SUMMARY: Two-ounce screw capped soil sample jars are prepared in advance by adding Methanol and volatile surrogate mix to the jar and obtaining a weight of the prepared jar. After sampling, the filled jars are weighed again and the weight of soil is determined by the difference.

5 EQUIPMENT AND MATERIALS:
- 5.1 Two-ounce screw capped wide mouth jars with Teflon cap liners.
- 5.2 Purge & Trap grade Methanol.
- 5.3 250 ul gastight syringe.
- 5.4 25 ml gastight syringe.

6 STANDARDS/REAGENTS: Volatile Surrogate Mix –250 ppm

7 PROCEDURE:
- 7.1 Preparation
  - 7.1.1 Add 25 ml of Purge & Trap grade Methanol to a clean, dry, 2 oz screw-capped soil jar with a Teflon cap liner.
  - 7.1.2 Add 250 ul of 250 ppm Volatile Surrogate Mix to the jar and cover tightly.
  - 7.1.3 Label the jar with the next available Jar Code number as determined by the Bottle Prep Log.
  - 7.1.4 Weigh the closed jar and record the weight in the log.
  - 7.1.5 Also record the following in the logbook.
  - 7.1.6 Methanol Lot #.

Prepared By _____ Date: 7-15-98

Approved By _____ Date: 7-15-98
QA Manager / Laboratory Director

7.1.7 Surrogate Lot #.
7.1.8 Amount of surrogate added (typically 250 ul of a 250-ppm solution).
7.1.9 Surrogate concentration in the jar (should always be 2500-ppb).
7.1.10 Date the jars expire (14 days from date of preparation).
7.1.11 Use a new page for each day that jar preparations are made.
7.1.12 Fill out the log neatly and completely each time that jar preparations are made.
7.1.13 Fill out each log page in the same manner as the example (see Attachment 1).

7.2 When jars are returned to the lab:
7.2.1 Completely dry the outside of the jar.
7.2.2 Weigh the jar and record the weight in the Volatile Bottle Prep log.
7.2.3 Calculate the total soil weight by subtracting the weight of the prepared jar (7.1.4) from the weight of the filled jar (7.2.2).
7.2.4 Apply a final label with the laboratory code number.

7.3 Refrigerate the Samples.

8 QUALITY CONTROL: Prepare one Trip Blank per batch (20) of prepared jars. Prepare as other jars (7.1.1-7.1.4).

APPENDIX 1
Volatile Bottle Prep Log

Bottle #	Init. Wt. (g)	Final Wt. (g)	Soil Wt. (g)	Made	Taken

Methanol Lot #:_____
Surrogate Added:_____
Amt. Surr. Added:_____
Surr. Conc.:_____
Date of Expiration:_____

STANDARD OPERATING PROCEDURE

SOP No.: SAM-0205
Revision No.: 1
Date Revised: 8/9/99

CATEGORY: Sample Handling
TITLE: Monitor Well Sampling for IRP Sites at Fort Monmouth

1 PURPOSE:

To document current procedures for monitoring well sampling.

2 RESPONSIBILITY:

Designated field samplers who have been properly trained and instructed in NJDEP field sampling procedures and protocol.

3 REFERENCES:

3.1 Field Sampling Procedures Manual, May 1992 (most current). New Jersey Department of Environmental Protection and Energy.

3.2 Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities developed by NIOSH, OSHA, USCG, EPA. Oct. 1985

3.3 NJDEP Field Analysis Manual, July 1994.

3.4 On the World Wide Web: www.state.nj.us/dep or www.state.nj.us/dep/srp.

3.5 Lab SOP: SAM-0200, SAM-0202, OQC-0302

4 SUMMARY:

The procedures, materials, and equipment describe the recommended methods for sampling monitoring wells. Necessary equipment, calibrations, calculations and appropriate QA/QC procedures are also included. These procedures are to be followed by all personnel involved with the sampling and purging of wells at Fort Monmouth. Persons following this SOP are recommended to also refer to the NJDEP Field Sampling Procedures Manual.

Prepared By	P. Wright	Date	8-11-99
Approved By	Jackie Hamon QA Manager / Laboratory Director	Date	8/11/99

5 EQUIPMENT AND MATERIALS:

5.1 Equipment

5.1.1 Dissolved oxygen meter
5.1.2 HNU photo ionizer
5.1.3 Conductivity/pH/temp meter
5.1.4 Peristaltic well pumps
5.1.5 Pump heads and power cables
5.1.6 Water level meter
5.1.7 Oil/water interface probe
5.1.8 Submersible well pumps
5.1.9 Various batteries
5.1.10 Buckets
5.1.11 Miscellaneous tools, i.e. screwdriver, well wrench, etc.

5.2 Materials:

5.2.1 Thick wall silicone tubing ¼ inch diameter,
5.2.2 Polyethylene (food grade) tubing ¼ inch diameter,
5.2.3 12 inch single sample 1 check stop teflon disposable bailers,
5.2.4 Mason string.

6 STANDARDS/REAGENTS:

6.1 Buffer solutions, calibration gases, decontamination materials, and acids for preservation.

6.1.1 Buffer solutions:

6.1.1.1 7.00 standard buffer solution
6.1.1.2 10.00 standard buffer solution
6.1.1.3 4.00 standard buffer solution
6.1.1.4 Distilled and deionized water
6.1.1.5 Alconox
6.1.1.6 10 % nitric acid rinse (trace metal or higher grade HNO3 diluted with distilled/deionized (ATSM Type II) H2O)
6.1.1.7 Acetone (pesticide grade)
6.1.1.8 Pure nitrogen 100 ppm Isobutylene cal gas.

6.1.2 Acids/materials used in preserving samples:

6.1.2.1 Nitric acid 69, 0-70.0%
6.1.2.2 Sulfuric acid 50% (w/w) solution
6.1.2.3 Hydrochloric acid (trace metal grade)
6.1.2.4 Ice for keeping samples at <4 degrees celcius.

Refer to NJDEP Field Sampling Procedure Manual Table 2-1 Aqueous Sampling Equipment Decontamination (Lab and Field).

7 CALIBRATION:

All instruments used for field readings are calibrated before each day of use. The use of pH meters must start out with a calibration using buffer solution standards to check or calibrate accuracy. HNU's are calibrated with a known calibration gas. Dissolved oxygen meters are checked against a winkler method test weekly. All calibrations for a given day's use are recorded in the log provided for each instrument. Refer to equipment directions for calibration instruction. Likewise, specific conductivity meters are checked against standards regularly. Cooler thermometers are calibrated against an NIST traceable thermometer annually.

8 PROCEDURE:

The following articles document the procedures for sampling monitor wells. They are to be used as a guide, by trained personnel, in conjunction with the NJDEP Field Sampling Procedures Manual.

8.1.1 Preparation: It should be noted that before going out into the field, certain preparations must be made. This includes the selection of PPE, safety plans, proper bottle acquisition for analytes being tested, site entry, map information, and equipment.

8.1.2 Selection of PPE: For adequate protection and prevention of contaminant exposure to workers at hazardous waste sites in all phases of work, PPE is properly used and supplied. Determination of PPE will be outlined in a Health and Safety Plan, and also by preliminary site investigations. Refer to NJDEP Field Sampling Procedures Manual, and the Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities.

8.1.3 Health and Safety Plans: These plans are developed to encompass all the aspects of site operations. Plans are available to personnel associated with site sampling and a copy is kept on file at the site (in this case, the laboratory). At a minimum, the plan includes all portions of Site Remediation Program's (SRP) Site Safety and Health Standard Operating Procedures deemed appropriate for site, detailed site description, emergency phone numbers, a map and directions to nearest hospital identified on the map, and all PPE needed.

8.1.4 Proper bottle selection: Please refer to QA/QC section 10.1.

8.1.5 Equipment: Please refer to Equipment section 5.

8.1.6 Before purge activities: Certain instruments and meters are calibrated before use. Also, certain measurements and calculations are obtained before any purge activities take place. The following is a list of information/data/steps required prior to the commencement of purge activities. Pertinent information is recorded in log books or on well sheets.

8.1.7 Date, time and weather conditions: Date and time are needed for holding time purposes and general record keeping. Weather conditions may affect ambient conditions at a particular site, therefore said information is recorded. Tidal influences may also be included here, if wells are in a tidal area.

8.1.8 Well number and permit number: These are prominently displayed on the outside of each well in accordance with NJDEP regulations for well construction.

8.1.9 Meter and instrument calibrations: Meters utilized in the course of site sampling activities are calibrated at this time, and the findings recorded in the appropriate logbook. Refer to section 7 for instrument/meter calibration directions.

8.1.10 PID or FID, HNU reading: This is taken from the well inner casing immediately after the cap is removed, findings are recorded.

8.1.11 Free product check: Using ORS meter for interfaces, the presence or absence of free product is determined. Thickness is measured and recorded.

8.1.11.1 Light Non-Aqueous Phase Liquids (LNAPLs) and Dense Non-Aqueous Phase Liquids (DNAPLs): Measurement of thickness for DNAPLs and LNAPLs are performed prior to well purging. An interface probe is used (ORS meter) for this task. If present, LNAPLs are sampled and analyzed for chemical and physical parameters. Sampling is conducted by using a bottom filling bailer which is lowered into the LNAPL layer. DNAPLs are sampled using a dual check valve bailer. If present, DNAPLs are also tested for chemical and physical properties.

8.1.12 Dissolved oxygen, pH, temperature, and specific conductivity: Readings are obtained and recorded on well sheets.

8.1.13 Total depth of well and depth to water: These readings are taken using a depth meter. Total depth of well, depth to water, and depth to screen are measured from the top of the inner casing or surveyors mark. All data is recorded on well sheet.

8.1.14 Calculations: Calculations are made as stated in section 9.

8.2 Purging: When pre-purge activities are complete, the purging of a well can begin. This includes pre-entry to the well and pump setup.

8.2.1 Pre-entry to well: Before tubing (refer to materials section) is inserted into a well, it is wiped down and rinsed with DI water. The tubing is then inserted into the well to a maximum depth of six feet below the water table. During purge activities, the depth of the tubing may be adjusted to prevent the static water level from dropping below the end of the tubing.

8.2.2 Pump setup: Once the battery powered peristaltic pump is set up, purging can begin. Evacuation rates never exceed that of well development, and total volume purged never exceeds 5 times the amount of standing water. Purge water management practices are described in section 10.1.8.

8.3 After Purge: When purging is complete, the pump is removed and tubing is disposed of properly. Data referenced in section 8.3.2 is then taken and recorded.

8.3.1 Pump removal: Tubing is removed from the bottom end while the pump is still running. Tubing is then disposed of. The pump is shut down and decontaminated for its next application.

8.3.2 The following data is recorded on the well sheet: Start and end time of purge, purge method, purge rate, total volume purged, dissolved oxygen, pH, temperature, and specific conductivity readings.

8.4 Field Blank Sample: At this time the field blank sample is collected. A new bailer is opened from its sealed package and field blank water is run over the bailer or sample equipment and collected into the proper sample containers.

8.5 Ground water sampling: Following well evacuation procedures, ground water sampling can begin. In most cases, sampling takes place immediately following purge activities. However, due to certain field conditions, well sampling may be postponed for a period not to exceed 2 hours following completion of purge activities. When multiple wells are being sampled, the least contaminated well is sampled first. Subsequent wells are sampled in order of ascending contamination. Sampling is conducted by using a bottom filling teflon bailer, dedicated to each particular monitoring well. The bailer is lowered slowly into water column until submerged, and then slowly retrieved. The sample is then carefully transferred to the appropriate sample containers. Ground water collected in the first bailing sequence is always used for sampling purposes, it is never discarded.

8.6 Sample order: Samples are collected in the following order:

- 8.6.1 volatile organics (VOA)
- 8.6.2 purgeable organic carbons (POC)
- 8.6.3 purgeable organic halogens (POX)
- 8.6.4 total organic halogens (TOX)
- 8.6.5 total organic carbon (TOC)
- 8.6.6 base neutrals/acid extractables
- 8.6.7 TPHC/oil and grease
- 8.6.8 PCB's/pesticides
- 8.6.9 total metals
- 8.6.10 dissolved metals
- 8.6.11 phenols, cyanide
- 8.6.12 sulfate and chloride
- 8.6.13 turbidity
- 8.6.14 nitrate and ammonia,
- 8.6.15 preserved inorganics
- 8.6.16 radionuclides
- 8.6.17 non-preserved inorganics
- 8.6.18 bacteria

8.7 Dupes and matrix spikes/matrix spike duplicates: These samples are taken in same order at same time. Refer to section 10.2.1.2.

8.8 After sampling: The following data is recorded on well sheets: Start and end time of sampling, dissolved oxygen, pH, temperature, specific conductivity, and sampling method.

9 CALCULATIONS:

Four calculations are made while in the field. The calculations are as follows: linear feet of water (height of water), the volume to be purged, the volume purged not to be exceeded, and purge rate.

9.1 Linear feet of water: This is calculated by knowing the total depth of a well and subtracting the depth to water as measured by a depth meter. These two numbers are measured to within .01 feet. Through this calculation, the linear feet of water is determined.

Equation: (Total well depth – Depth to water = linear feet of water)

9.2 Volume to be purged and volume not to be exceeded: The second calculation is to determine the minimum volume to be purged from a well before sampling. Utilizing the linear feet of water and then multiplying it by the volume per foot for the proper diameter casing (see Figure 1 below) equals the amount of water in casing. Multiplying the amount of water within a casing by 3 equals the minimum volume to be purged. It should be noted that the amount purged should not exceed 5x the amount of standing water in a well.

Equation:
linear feet of water x volume per ft for well diameter = amount of water in casing)
then,
(amount of water in casing x 3 = minimum volume to be purged)

Equation:
(amount of water in casing x 5 = total volume not to be exceeded)

Figure 1: Capacity of Common Casing Diameters
(Pp. 170 in NJDEP FSPM)

Casing Diameter (ft.)	Gallons/linear foot
2 inch (0.1667)	0.1632
4 inch (0.3333)	0.6528
6 inch (0.5000)	1.4688
8 inch (0.6667)	2.6112
10 inch (0.8333)	4.0800
12 inch (1.0000)	5.8752

9.3 Purge rate: The purge rate is determined by calculating the length of time it takes for a pump to fill a 1 gallon bucket with water. The time is then multiplied by the minimum volume to be purged. The gallons being purged is then divided by this number (which also happens to be the length of time the purge will take in minutes) which equals the gallons per minute or purge rate.

Equation:
(time x minimum volume to be purged = length of purge in minutes)
then,
(minimum volume to be purged / length of purge in minutes = gallons per minute or the purge rate)

10 QUALITY CONTROL:

The following QA/QC requirements are established in order to maintain sample integrity. The prime objective is to prevent sample contamination from other sources and ensure potential contaminant concentrations remain stable from sample collection to complete analysis. Refer to the NJDEP Field Sampling Procedures Manual Appendix 2-1 Analytical Methodology Reference Charts, Pp. 24-74. Also refer to SAM-0200 Sample Containers, Preservation and Holding Times.

10.1 Sample Containers: Before sample collection can begin consideration must be given as to what type container will be used to transport and store samples. The lab provides containers based upon requested methodologies. Selection is based on the matrix, potential contaminants, analytical methods, and the laboratory's internal QA/QC requirements. They are selected upon review of the following:

10.1.1 Reactivity of container material with sample. Glass is recommended for hazardous material samples since it is chemically inert to most substances. Plastics may be used when analytes of interest or sample characteristics dictate use instead of glass.

10.1.2 Volume of the container. The volume of sample needed is dictated by the analytical method and the sample matrix. The laboratory supplies bottles that allow for sufficient volumes of sample matrix to be collected.

10.1.3 Color of container. Whenever possible, amber glass is used to prevent photodegradation. If not available, samples are protected from light. One exception is the use of 40 ml clear glass vials which are used for VOA/aqueous analysis.

10.1.4 Container closures. All containers utilized have a leak-proof seal and are constructed out of inert material with respect to sampled materials. The closure may also be separated by a closure liner that is inert to sample material.

10.1.5 Decontamination of containers and chain of custody. Sample containers are laboratory cleaned or purchased as lab cleaned. Bottles being shipped are accompanied by a chain of custody in a cooler with a custody seal. Custody always accompanies containers to the field, during collection, back to lab, and during analysis. This helps to assure no tampering or contamination from outside sources occurs.

10.1.6 Storage and transport. Care is taken to avoid contamination. Clean transport and storage environments are observed. Sample or bottle storage is never near solvents, gasoline, or other equipment that is a potential source of contamination. Samples and chain of custody are secured in coolers or transport, with said chain of custody in with bottles or in the possession of authorized personnel. Also, a temperature blank is included in each cooler to measure temperature of samples on ice (ideally a constant 4 degrees Celsius).

10.1.7 Tubing decontamination: ASTM drinking water grade polyethylene tubing is used and discarded after each use. Care is taken to prevent the pump and tubing from coming into contact with the ground surface. Prior to well purging, all tubing is rinsed/wiped with distilled and deionized water to remove any possible residual materials which may be present.

10.1.8 Disposal of development, purge, pump test, and decon waters: To determine whether waste waters are contaminated, field instrument readings and previous analytical data is used to characterize it. Water not considered contaminated is re-applied directly to ground surface and permitted to percolate back to the water table. Care is taken to avoid nuisance situations where a discharge may cause undue concern. When water is considered contaminated, the water generated is reapplied only if the following conditions are met: ground water is not permitted to migrate offsite, no potential exists for contaminating a previously uncontaminated aquifer, discharge will not cause an increase to ground surface soil contamination. If these conditions are met, the water is re-applied to the ground surface. If these conditions aren't met, than water

is collected, containerized and secured in a single locale. Subsequently, the water is properly characterized and processed for offsite disposal.

10.2 QA/QC samples: These samples are intended to provide control over the collection of environmental measurements and subsequent validation, review, and interpretation of analytical data. Trip blanks are used exclusively for volatile organic analysis, (aqueous sampling only) and their purpose is to measure possible cross contamination of samples during shipment to and from a site. Trip blanks are never opened and travel to a site with the empty sample bottles and back from a site with the collected samples. Contaminated trip blanks may indicate bottle cleaning or blank water of questionable quality. Trip blanks are collected at the rate of one per day. Likewise, the purpose of a field blank is to place a mechanism of control on sample equipment handling, preparation, storage and shipment. Field blanks travel and are stored with the sample bottles. Field blanks are collected in the following manner. Two identical sets of bottles are prepared. One set is filled with laboratory demonstrated analyte free water (same water used for trip and method blanks). All of the filled bottles are shipped with the other empty sample containers. At the field location, in an area where contamination is suspected, the water is passed from the full set of like-bottles through the dedicated or field decontaminated sampling device and into the empty set of like-bottles. Field blanks are preserved identically to samples receiving the same analyses. Field blanks are collected and analyzed for all of the same parameters as the samples collected that day.

10.2.1 Additional QA/QC samples:

10.2.1.1 Duplicate samples: Collection of a dupe provides for evaluation of laboratory performance by comparing the analytical data of two samples from the same location. They are included 1 for every 20 samples (5% or 1 a day/site) and submitted as blind samples. They are obtained by alternately filling sample bottles from the same source/device for each parameter. VOA samples are same bailer and first set filled.

10.2.1.2 Matrix spike/Matrix spike duplicate analyses or MS/MSDS sample: The laboratory is supplied with triple volume in order to perform matrix spike and matrix spike dupes. This does not include trips or field blanks. Additional sample volume for MS/MSDS is taken within every set of 20 field samples.

10.3 Sample preservation: Sample bottles are preserved by lab staff based upon analytical requirements. Please refer to SAM-0200 Sample Containers, Preservation, and Holding Times SOP and also NJDEP Field Sampling Procedures Manual Appendix 2-1 Analytical Methodology reference Charts, Pp. 24-74.

SPECIFICATION

FOR

INSTALLATION AND SURVEY OF

ENVIRONMENTAL MONITORING WELLS

AT

FORT MONMOUTH, NEW JERSEY

Install and Survey Monitoring Wells

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Install and Survey Monitoring Wells

STATEMENT OF WORK

1. SCOPE OF WORK. The work to be performed under this contract is to establish terms upon which the contractor shall install and survey environmental monitoring wells as well as complete NJDEP and Directorate of Public Works requirements as specified in this document.

2. LOCATION OF WORK. The work is located at various facilities throughout Fort Monmouth and its outlying Sub-Posts. Fort Monmouth is located in Monmouth County, New Jersey.

3. The Government will consider and evaluate all bids based on the "Best Value" concept: Technical, Management, and Costs. A Matrix evaluation system will be used by the contracting officer and a technical representative from the Directorate of Public Works (DPW) to award this contract. All bids shall include a proposal which will be used for this purpose. The contractor shall provide costs for FY99 as well as option year costs for FY00.

4. The Government reserves the right to cancel any day of scheduled activity by notifying the contractor prior to noon the prior work day. The contractor shall provide the Government with the name and phone number of the person to be contacted for cancellation otherwise the company will be called at the general phone number.

Install and Survey Monitoring Wells

SECTION 01100

GENERAL REQUIREMENTS

1. GENERAL.

1.1 The following specification is for the installation and surveying of monitoring wells on Fort Monmouth, NJ and its sub posts.

1.1.1 All work shall be accomplished by mechanics skilled in the trades involved. Existing work which is damaged or disturbed by the Contractor's operations, shall be restored to its original condition by the Contractor at no extra cost to the Government.

1.2 The work to be performed includes but is not limited to the following:

1.2.1 Installing 4 inch diameter monitoring wells in accordance with NJDEP requirements. The wells may be flush mounted or stick-up. Flush mounted monitoring wells will only be permitted in areas paved or concreted and the Contracting Officer approves of the flush mounted system. In all other cases, the wells will be stick-up.

1.2.2 Wells will be surveyed by a New Jersey licensed surveyor.

1.3 The Contractor's on site employees shall provide proof that they each have had a minimum of 40 hours training (as per 29 CFR 1910-120) for each worker and 8 hours of additional supervisory training for each site supervisor as mandated by the Occupational Safety & Health Administration (OSHA) 29 CFR 1910-120. Evidence of such training shall be provided to the Contracting Officer's Representative after award of the contract and before work commences on contract start date. The contractor will prepare a Site Specific Health and Safety Plan (HSP) as described in (OSHA) 29 CFR 1910-120, for each work. All pertinent information shall be available on site with the HSP once work commences. In the event of change in contractor personnel or updating existing documentation, the information shall be submitted to the COR within 2 weeks of any regulated activity by the affected contractor personnel.

1.4 During the period of this contract, other contractors may be working on, or adjacent to the site of work under this contract. Members of the US Armed Forces may be performing work or occupying facilities on or adjacent to the area. Also the Contractor shall arrange, schedule, and perform this work so as to effectively cooperate with all other contractors and Government agencies.

1.5 Coordination Between Contractors. It shall be the responsibility of the prime contractor to be fully informed of the extent of the limits of work to be performed by the other prime contractors. Should there be any conflict between these limits, it shall be brought to the attention of the Contracting Officer and the Contracting Officer's decision shall be final.

1.6 A Pre-Construction Conference shall be conducted. Prior to commencing work, the Contractor shall meet with the Contracting Officer or his designated representative, and the DPW Facilities Management Specialist (FMS) to discuss and develop mutual understandings relative to scheduling and administration of work.

Install and Survey Monitoring Wells

1.6.1 Items to be covered at the Pre-Construction Conference shall include but are not limited to the following:

(1) Providing advance information to and coordinating schedules with officials of tenant agencies before setting the time and date for work to be performed.

(2) Assigning parking, if available, for the contractor's vehicles.

(3) Making storage space available for contractor's equipment, materials, and supplies.

(4) Providing any other assistance to make sure that work is accomplished on time.

(5) Ensuring the security of Government property.

(6) Making arrangements to monitor the contractor's activities, if necessary.

(7) Arranging necessary security clearances.

(8) Mutual understandings relative to administration of the safety program shall be discussed. The Contractor shall provide sufficient barriers, warning signs, and covers to protect all work and personnel as required or directed. Barriers shall be of good quality, constructed, and maintained to prevent access to the work site IAW existing OSHA and Army Corps Safety Regulation, 1992.

(9) Arranging for Mark-outs of the utilities.

1.7 Prior to commencement of the work the Contractor shall meet with representatives of the Contracting Officer's Representative (COR) to develop mutual understandings relative to compliance with this provision and administration of the environmental pollution control program.

1.8 The Contracting Officer will notify the Contractor in writing of any non-compliance with the foregoing provisions and the action to be taken. The Contractor shall, after receipt of such notice, immediately take corrective action. Such notice, when delivered to the Contractor or his authorized representative, shall be deemed sufficient for the purpose. If the Contractor fails or refuses to comply promptly, the Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. No part of the time lost due to any such stop orders shall be made the subject of a claim for extension of time or for excess costs or damages by the Contractor unless it was later determined that the Contractor was in compliance.

1.9 Protection of and Damage to Government Property.

1.9.1 Contractor shall provide all labor, materials, and equipment necessary for protection of personnel, furnishing, equipment, and building structure.

Install and Survey Monitoring Wells

1.9.2 All work shall be performed in a manner acceptable to the Contracting Officer or his representative. If the Contractor fails to respond and initiate repairs or replacement within 10 days of verbal or written direction from the Contracting Officer or his representative, the Government may cause said repairs or replacement to be undertaken and the cost thereof charged to the Contractor. Existing utility lines indicated on drawings are approximate. It is the Contractor's responsibility to survey and scope areas to determine exact location so damage to these utilities may be avoided. Any cost resulting from damage to existing utilities shall be the responsibility of the Contractor.

1.9.3 All damages or contamination caused by the Contractor during the activities conducted under this specification shall be corrected at the contractors expense.

1.10 Compliance with the provisions of this specification by subcontractors shall be the responsibility of the Contractor.

1.11 Omissions from the specifications or the misdescription of details of work which are manifestly necessary to carry out the intent of the specifications, or which are customarily performed, shall not relieve the contractor from performing such omitted or misdescribed details of the work but they shall be performed as if fully and correctly set forth and described in the specification.

1.12 A joint pre-drilling site visit/inspection shall be made to determine pre-existing conditions. The Contracting Officer's Representatives, a representative from the Contract Management Division, Directorate of Public Works(DPW), and the contractor shall be present at this time.

1.13 Existing Work

1.13.1 Existing work shall be cut, drilled, altered, removed, or temporarily removed and replaced as necessary for performance of work under this contract. Work that is replaced shall match similar existing work, except if otherwise directed by the Contracting Officer's Representative. Work remaining in place which is damaged or defaced during performance of work shall be restored to the condition existing at time of placement of delivery order, by the contractor.

1.13.2 Work out of alignment when exposed by removal of existing work shall be called to the Contracting Officer Representative's attention.

1.14 Use of Building Facilities: While performing required work, utility services and toilet facilities of the building may not be used, unless otherwise directed by the Facility Management Specialist.

1.15 Use of Water: While performing required work, water may be obtained from a DPW designated hydrant. A backflow preventer must be utilized. The contractor will notify the DPW one hour prior to using the hydrant. No other hydrants will be used by the contractor.

1.16 Existing utilities will be marked out IAW the attached SOP prior to the pre-drilling site visit. The contractor shall expect utilities to be within the area (4 feet to either side of the mark-out) and the contractor shall identify the exact utility location prior to drilling when drilling activities may disturb the utility.

Install and Survey Monitoring Wells

1.17 Submittals

1.17.1 Submission shall be made to the designated Contracting Officer's Representative.

1.17.2 Within 5 calendar days after the project award date all items shall be submitted for approval. In the event of change, addition or replacement of previously submitted items, the Contractor shall work IAW previously submitted items until new modifications are approved by the COR.

1.17.3 Contractor shall submit samples or shop drawings (including Contractor/sub Contractor regulatory compliance documentation, OSHA Compliance Documentation, etc.) for items not listed herein, upon request by the Contracting Officer's Representative.

1.18 The premises will be occupied during the performance of the work.

2.0 SCHEDULING OF WORK.

2.1 Working Hours: Unless otherwise specified, the Contractor shall be permitted to work under this contract five days of the week, Monday through Friday, during the hours of 0730 hours until 1630 hours inclusive, excluding Federal holidays. Exceptions to this rule must be requested, in writing to the Contracting Officer's Representative or the Facilities Management Specialist, three days in advance. No well drilling will be conducted during adverse weather conditions including rain. The instruments (FID/OVA) must work without fail due to environmental variations (high humidity, cold etc...). The Facilities Management Representative will notify the contractor if site conditions are unsuitable and therefor the contractor will be additionally prohibited from drilling.

2.2 Scheduling and Determination on Progress:

2.2.1 The Contractor shall submit to the Contracting Officer's Representative or Facilities Management Specialist, in writing, a five and fourteen day work schedule for accomplishment at each work site to include all work phases. The five day schedule shall be received the Thursday prior to work commencing. The fourteen day tentative work schedule will be for the following two week period.

2.2.2 The submitted schedule is subject to the approval of the Contracting Officer's Representative. Any deviation from the approved schedule must be approved by the Contracting Officer's Representative or Facilities Management Specialist prior to change.

2.2.3 Delivery of materials and equipment shall be made with a minimum of interference to Government operations and personnel.

2.2.4 The work shall, so far as practicable, be done in definite sections or divisions and confined to limited areas which shall be completed before work in other sections or divisions is begun. The drilling will be requested as needed. The requests will be for a minimum of three wells each. Work will begin within 1 week of each request. Each well will be a minimum of 15 feet deep. Most wells will be approximately 20 feet deep with the exception of Charles Wood Area which will be approximately 30 feet deep.

2.2.5 All temporary outages of any utility services required for the performance of work shall be approved and scheduled by the Contracting Officer Representative no less than 48 hours in advance of outages.

3.0 GOVERNMENT FURNISHED PROPERTY. There is no Government Furnished Property provided in conjunction with the work requirements of this contract.

4.0 CONTRACTOR FURNISHED PROPERTY.

4.1 The Contractor shall furnish the necessary equipment, tools, materials, supplies, and personnel certified in their professional designated fields to perform the work contained in this contract.

5.0 SECURITY CLEARANCES. It shall be the Contractor's responsibility, through the Contracting Officer's Representative or Facilities Management Specialist, to obtain access and arrange for escorts in secured buildings and restricted or non-restricted areas.

6.0 SAFETY AND ACCIDENT REPORTING.

6.1 All work shall be conducted in a safe manner and shall comply with all safety requirements.

6.2 The Contractor shall comply with all current Federal, State and Local environmental protection laws until the completion of all work as defined in this specification.

6.3 The Contractor shall also provide and enforce the use of all Personal Protective Equipment (PPE). The contractor shall have Level C PPE equipment on site and available for inspection at all times. If PPE is not on site or is in poor condition (eg. respirators not clean and in sealed bags, tyvek suites not new and of correct size etc....) the Facility Management Specialist will escort the contractor off site.

6.4 If the Contractor fails or refuses to promptly comply with safety requirements, the Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. No part of the time lost due to any such stop order shall be made the subject of claim for extension of time or for excess costs or damages to the Contractor.

6.5 In all instances where Government property and/or equipment are damaged by Contractor's employees, a full written report of the facts and extent of such damage shall be submitted to the Contracting Officer within 24 hours of occurrence.

6.6 The Contractor shall comply with OSHA and other regulatory agency requirements for record keeping and reporting of all accidents resulting in death, trauma, occupational disease, or environmental insult. The Contractor shall notify the Contracting Officer of all well installation related accidents on the Installation within 24 hours.

6.7 The Contractor shall familiarize himself / herself and require their employees to become familiar with the method of turning in a FIRE ALARM. The Contractor and their employees shall be cognizant of, and observe all requirements for handling and storage of combustible supplies, materials, and daily disposal of combustible waste and trash.

Install and Survey Monitoring Wells

6.8 Accident Reports. The contractor shall comply with accident reporting requirements as outlined in CECOMR 385-4 which will be furnished to the successful bidder by the Contracting Officer. All accident reports will be submitted directly to the Contracting Officer.

6.9 Hazardous Spills: The Contractor shall familiarize himself and require his employees to become familiar with the storage of hazardous materials and be familiar with the Fort Monmouth Spill Plan Contingency Countermeasures (SPCC). The Contractor and his employees shall be cognizant of and observe all requirements for handling and storage of hazardous wastes and materials.

6.10 Special Notifications. The contractor shall immediately report to the Facility Management Specialist, via telephone or other means, any observations or results which may indicate an imminent health risk. Following this telephone notification, a written notice shall be prepared and delivered within (3) days. This notification shall include supporting documentation.

7.15 Clean Up and Environmental Protection

7.15.1 The contractor shall provide daily broom-sweep cleanup and removal of all debris and trash from the area of work so as to leave the area in a neat, clean condition after each work shift. The contractor shall perform the necessary tasks to ensure that the Governments day-to-day business proceeds without interruption and shall provide the safety precautions necessary to protect the public's interest.

7.15.2 It shall be the responsibility of the Contractor to provide for trash, debris, and rubbish removal.

7.15.3 Final cleanup after completion of work and before final payment is authorized; the contractor shall broom sweep work area and all adjacent areas. The contractor shall remove all unused or partially used construction materials, equipment, debris, rubbish and garbage from the building.

7.15.4 Burning, of any kind shall not be permitted on the site.

7.15.5 All trucks leaving the site with loose debris shall be loaded in a manner that will prevent dropping of materials on streets and shall have suitable tarpaulin fastened over the load before they enter surrounding paved streets.

7.15.6 The contractor shall conform to all local regulations regarding load limits.

7.15.7 All supplies and equipment on project site shall be stored in such a manner as to preclude mechanical and climatic damage. Site shall be maintained in a neat and orderly manner as to further minimize hazards to personnel, supplies, and equipment.

Install and Survey Monitoring Wells

8.0 PROJECTED WORKLOAD. The estimated quantity of services to be ordered are 340 linear feet of installed monitoring wells, 100 linear feet of additional (in addition to the split spoon sampling included in the well drilling bid item) split spoon sampling, logging, etc..., and 6 well surveys. Additional monitoring well installations and surveys may be requested as areas of concern are discovered and as required by law. Any additional (new) work to this contract shall be presented in writing, by the government technical staff in the form of a modification and at that time the contractor shall provide a new and/or revised price schedule which shall be approved and accepted in writing by the Contracting Officer.

9.0 PERFORMANCE REQUIREMENTS. The Contractor shall perform the tasks specified in this Specification IAW the applicable documents herein.

10.0 RECORDS AND REPORTS.

10.1 Reporting of Inspection by Regulatory Agencies: The Contractor shall notify the Contracting Officer's Representative or Facilities Management Specialist immediately by telephone of any inspection visit by an agent, agents, or any regulatory agency (other than OSHA) at any time, occurring on the installation. The Contracting Officer's Representative or Facilities Management Specialist will issue instructions on how to proceed in cooperating with the inspector.

10.2 The Contractor shall provide the Contracting Officer's Representative and the Directorate of Engineering & Housing Facilities Management Specialist with a written report of each visit/inspection of each work site by representatives of Federal, state, and local environmental protection agencies within five working days of each visit/inspection. Such reports shall include names of visitors, agencies, times, dates of visits/inspections, findings, and recommendations.

11.0 INSPECTION. Each phase of the services rendered is subject to Government inspection during the Contractor's operations and/or after the completion of the task. Any defect or unaccomplished work shall be immediately brought to the attention of the Contractor. The Contractor shall meet with the Contracting Officer's Representative or Facilities Management Specialist to discuss the work in question without delay. Work determined unsatisfactory after the discussion or the Contractor's failure to discuss the work in question shall be cause for adjustment in contract price based on the Government estimate of work not performed. The Government may inspect the Contractor's equipment and materials any time. When inspection reveals any inadequacy, the Contractor shall correct the problem within 24 hours (Sundays and holidays excepted) after receiving notice from the Contracting Officer or his representative and at no additional charge to the Government, correct all deficiencies to the satisfaction of the Government.

Install and Survey Monitoring Wells

SPECIFIC FUNCTIONS AND/OR TASKS.

Section 01200

12.0 Monitoring Wells:

12.1 Not Used.

12.2 The well installation will be done by a licensed New Jersey Journeyman Well Driller pursuant to N.J.S.A. 58:4A-4.1 et seq.. Decisions on well locations, well depths, screened intervals and all details of the well installation, and data collection activities shall be made collectively by the Facility Management Specialist and the contractor's field supervisor.

12.3 All well drilling, development and purging, sample collection, and other activities pursuant to this effort shall be conducted in strict accordance with all applicable laws, ordinances, rules, and regulations (guidelines) of Federal, State, and all authorities with jurisdiction over such activities. This includes but is not limited to the NJDEP Field Sampling Procedures Manual in effect as of the date the wells are installed. The contractor shall complete permits, applications, other documents, and proficiency tests required by the regulatory agencies, and provide them with a detailed cover letter to the Facility Management Specialist prior to the commencement of work activity. This includes but is not limited to drilling permits obtained pursuant to N.J.S.A. 58:4A et seq..

12.4 All waste materials generated from well installation and decontamination will be containerized. The contractor shall label and stage all waste containers IAW all applicable regulations. The contractor is not responsible for off-site transport and disposal of the material but is responsible for providing approved (DOT) new drums / containers, not recycled. At a minimum loose soils will be stored at the well site on plastic and covered by plastic by the end of each work day.

12.5 Each well will have split spoon samples collected using American Society of Testing Materials (ASTM) Method D1586-84A. Split spoon samples will be collected continuously ahead of the hollow stem auger at each well. The driller will complete NJDEP well completion log forms for each well. The contractor shall conduct additional split spoon sampling, logging. etc... as requested by the Facility Management Specialist.

12.6 Not Used.

12.7 The core shall provided to the on-site geologist.

12.8 Monitoring wells will be constructed IAW the NJDEP monitoring well specification diagram for unconsolidated formations and of 4-inch Schedule 40 flushjoint threaded PVC casing and well screen. Threads will be ASTM-F-480. PVC pipe and screen will be composed of 100% virgin PVC and will not contain fillers. These materials will be packaged individually in hermetically sealed 6mm plastic bags. These products will be as manufactured by Bedrock Enterprises, Forked River, NJ or equivalent.

Install and Survey Monitoring Wells

12.9 A silica sand filter gravel will be placed around each well screen. The gravel will be of appropriate size as dictated by the slot size screen and surrounding formation as deemed appropriate by the site supervisor. The gravel will be packaged in 100-pound plastic bags which are sealed at the gravel manufacturers plant. The gravel will be a Morie filter gravel, Millville, NJ or equivalent.

12.10 Flushmount manholes will be 9-inch ID, constructed of cast iron, the skirt will be a minimum 9-inches in length. The manhole cover will have a "NO FILL MONITORING WELL no fill monitoring well logo cast into the lid completed by the Journeyman Driller. A length of protective steel casing with a locking cap must be securely set in cement around the well casing. Flush mount monitoring wells are acceptable provided they have manholes, locking caps, and seals to prevent leakage of surface water into the well. The driller shall consult the Contracting Officer's Representative for the type of casing protector best suited for each well.

12.11 Wells must be developed to yield a non-turbid discharge where possible as determined by the site supervisor. It shall be expected that well development will be completed within two hours after beginning.

12.12 All waste soils determined to be non-regulated shall be securely covered each work day. The contractor will not be permitted to continue work at an additional site unless the previous site is completed (less survey and well development).

Install and Survey Monitoring Wells

SECTION 1300

13.0 Well Survey

13.1 The Contractor shall provide all labor, material and equipment to survey monitoring wells.

13.2 All surveys shall be performed by a New Jersey licensed surveyor as follows:

13.2.1 The inner well casing must be surveyed to the nearest hundredth (0.01) foot above mean sea level in relation to the New Jersey Geodetic Control survey datum and horizontally by an accuracy of one-tenth of a second latitude and longitude.

13.2.2 A permanent water level measurement mark (a stainless steel pin) shall be attached onto the top inner well casing to allow for accurate reproducible water measurement over time.

13.2.3 Complete Form B for each well. Completed Form Bs shall be submitted to the Facility Management Specialist no later than five weeks after well installation.

SECTION 1400

14. STANDARD METHODS OF MEASUREMENT

14.1 Determination of Quantities: Actual quantities shall be determined jointly by the Contractor and the Contracting Officer's Representative or Facilities Management Specialist. Payment shall be based upon the extension of the quantities and the associated unit price as shown in the bid schedule provided by the successful bidder.

14.2 Contractor Guidance: The Government must receive the quantity and quality of work for which it has contracted. In the initial phases of a new contract, it is advisable to provide guidance to the contractor. General guidance shall be provided during the pre-construction conference. When more detailed guidance is required, it may be provided through meetings, or in special meetings, with the Contracting Officer in attendance (if possible). Minutes of these meetings or discussions shall become a part of the contract file. The Contracting Officer is to be notified of any serious omissions or deficiencies on the part of the contractor that would impair the contractor's ability to perform. Government personnel dealing with contractors must be reasonable and fair in their demands and must be open-minded in resolving disputes. At the same time, they must be firm in enforcing contract requirements to make sure the interests of the Government are protected. Unless an action is justified (e.g., safety and health violations, improper materials, inadequate workmanship, etc.) Government personnel must avoid taking any action that will impede the Contractor's progress. Supervision and inspection of the work performed is the responsibility of the contractor, and guidance or inspection by the Government does not relieve the contractor of the responsibilities.

Install and Survey Monitoring Wells

SECTION 1500

UNIT PRICE SCHEDULE

1. General:

This section lists the estimated quantities of monitoring wells to be installed at Fort Monmouth and its sub-Posts. The work to be performed under this contract is to establish terms upon which the contractor shall install and survey environmental monitoring wells as well as complete NJDEP and Directorate of Public Works requirements as specified in this document.

2. Index Unit Quantities:

DESCRIPTION	SECTION	PAGE(S)
Monitoring well installation	01200	11 - 12
Site Survey	01300	13

Install and Survey Monitoring Wells

UNIT PRICE QUANTITIES:

01100-1 Monitoring Well Installation:

Provide all labor, material and equipment necessary to install monitoring wells in accordance with local, Federal and New Jersey State laws and regulations and the requirements of this specification. The Government's Contracting Officer's Representative will determine the depth of each well (all well depth verifications will be performed by the Facility Management Specialist at the well and measured from the ground surface to the well end cap). All contaminated materials shall be transported in accordance with local, state and federal laws and regulations.

FY99 pricing:

ITEM NO.	ITEMS OF WORK	UNIT	UNIT PRICE	ESTIMATED QUANTITIES	TOTAL PRICE
01200-1.1	Install monitoring well	Foot		340	
01200-1.2	Supply, fill 55 gal containers with the materials determined to be hazardous waste by the Government. Remove containers to the designated storage location within the Installation	*BL			
01200-1.3	Additional split spoon sampling	Foot		100	

FY00 Option year pricing:

ITEM NO.	ITEMS OF WORK	UNIT	UNIT PRICE	ESTIMATED QUANTITIES	TOTAL PRICE
01200-1.1	Install monitoring well	Foot		200	
01200-1.2	Supply, fill 55 gal containers with the materials determined to be hazardous waste by the Government. Remove containers to the designated storage location within the Installation	*BL			
01200-1.3	Additional split spoon sampling	Foot		50	

* price will be prorated if not a 55 gal. container (eg. 35 gal. container will be paid at 35/55 (64%) of the price of the 55 gal. drum.

Install and Survey Monitoring Wells

1300-1 Site Survey:

Provide all labor, material and equipment to survey monitoring wells. All surveys shall be performed by a New Jersey licensed surveyor as follows:

-The inner well casing must be surveyed to the nearest hundredth (o.01) foot above mean sea level in relation to the New Jersey Geodetic Control survey datum and horizontally by an accuracy of one-tenth of a second latitude and longitude.

-A permanent water level measurement mark (a stainless steel pin) shall be attached onto the top inner well casing to allow for accurate reproducible water measurement over time.

-Complete all other activities as specified in section 01300 of this specification.

FY99 pricing:

ITEM NO.	ITEMS OF WORK	UNIT	UNIT PRICE	ESTIMATED QUANTITIES	TOTAL PRICE
01300-1.1	Survey Monitoring Wells (Form B)	Each		15	

FY00 Option year pricing:

ITEM NO.	ITEMS OF WORK	UNIT	UNIT PRICE	ESTIMATED QUANTITIES	TOTAL PRICE
01300-1.1	Survey Monitoring Wells (Form B)	Each		6	

APPENDIX B

SOIL BORING AND MONITORING WELL LOGS

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LOG OF BORING M5-(675) 301

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M5 LANDFILL INVESTIGATION

DATE COMPLETED	: 10-28-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J-1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC [.10 SLOT SCREEN]		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SAND, medium/fine - brown/ olive green		
6					
12					
18					
24					
30					
36					
42					
48					
54					
60					
66					
72			CLAYEY SAND, medium/coarse - mottled -olive green clay w/ iron stained sands.		
78					
84	4012.02	1		0 PPM	0905
90			SILTY SAND, fine/ medium - olive green, iron stained and mottled.		
96			Groundwater Sample H2O @ 86"		
102	4012.03	2		0 PPM	0915
108					
114					
120					

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JOSEPH FALLON
M5 LANDFILL INVESTIGATION

DATE COMPLETED	: 10-28-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J-1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC [.10 SLOT SCREEN]		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SAND, medium/fine - brown/ olive green		
6					
12					
18					
24					
30					
36					
42					
48					
54					
60					
66					
72			CLAYEY SAND, medium/coarse - mottled -olive green clay w/ iron stained sands.		
78					
84	4012.04	1		0 PPM	0950
90			SILTY SAND, fine/ medium - olive green, iron stained and mottled.		
96			Groundwater Sample H2O @ 86"		
102	4012.05	2		0 PPM	1115
108					
114					
120					

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JOSEPH FALLON
M5 LANDFILL INVESTIGATION

DATE COMPLETED	: 10-28-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J-1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC [.10 SLOT SCREEN]		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SAND, medium/fine - brown/ olive green		
6					
12					
18					
24					
30					
36					
42					
48					
54					
60					
66					
72			CLAYEY SAND, medium/coarse - mottled -olive green clay w/ iron stained sands.		
78					
84	4012.06	1		0 PPM	1030
90			SILTY SAND, fine/ medium - olive green, iron stained and mottled.		
96			Groundwater Sample H2O @ 86"		
102	4012.07	2		0 PPM	1055
108					
114					
120					

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JOSEPH FALLON
M5 LANDFILL INVESTIGATION

DATE COMPLETED : 10-28-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SAND, medium/fine - brown/ olive green		
6					
12					
18					
24					
30					
36					
42					
48					
54					
60					
66					
72			CLAYEY SAND, medium/coarse - mottled -olive green clay w/ iron stained sands.		
78					
84	4012.08	1		0 PPM	1143
90			SILTY SAND, fine/ medium - olive green, iron stained and mottled.		
96			Groundwater Sample H2O @ 86"		
102	4012.09	2		0 PPM	1157
108					
114					
120					

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FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M5 LANDFILL INVESTIGATION

DATE COMPLETED	: 10-28-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J-1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC [.10 SLOT SCREEN]		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SAND, medium/fine - brown/ olive green		
6					
12					
18					
24					
30					
36					
42					
48					
54					
60					
66					
72			CLAYEY SAND, medium/coarse - mottled -olive green clay w/ iron stained sands.		
78					
84	4012.10	1		0 PPM	1404
90			SILTY SAND, fine/ medium - olive green, iron stained and mottled.		
96			Groundwater Sample H2O @ 86"		
102	4012.11	2		0 PPM	1408
108					
114					
120					

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JOSEPH FALLON
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DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J-1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC [.10 SLOT SCREEN]		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SAND, medium/fine - brown/ olive green		
6					
12					
18					
24					
30					
36					
42					
48					
54					
60					
66					
72			CLAYEY SAND, medium/coarse - mottled -olive green clay w/ iron stained sands.		
78					
84	4012.12	1		0 PPM	1435
90			SILTY SAND, fine/ medium - olive green, iron stained and mottled.		
96			Groundwater Sample H2O @ 86"		
102	4012.13	2		0 PPM	1500
108					
114					
120					

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JOSEPH FALLON
M5 LANDFILL INVESTIGATION

DATE COMPLETED	: 11-24-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J-1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC [.10 SLOT SCREEN]		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SAND, medium/fine - brown		
6					
12					
18					
24					
30			SAND, fine - orange / brown		
36					
42			SAND, med. / fine - lt. olive green		
48					
54					
60					
66					
72					
78					
84					
90					
96			SAND, fine - olive green / tan		
102	4085.02	1		0 PPM	0940
108			Groundwater Sample H2O @ 108"		
114					
120					
126	4085.03	2		0 PPM	1037
132			SILTY CLAY, SAND, fine - olive green		
138					
144					
150					

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SELFM-PW-EV

JOSEPH FALLON
M5 LANDFILL INVESTIGATION

DATE COMPLETED : 11-24-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SAND, medium/fine - brown/ orange		
6					
12					
18					
24					
30					
36					
42			SAND, fine - lt. olive green		
48					
54					
60					
66					
72					
78					
84					
90					
96					
102	4085.04	1		0 PPM	1025
108			Groundwater Sample H2O @ 108"		
114			SAND, fine - olive green w/ some SILT		
120			SAND, med. / fine - lt. tan		
126	4085.05	2		0 PPM	1044
132					
138					
144					
150					

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JOSEPH FALLON
M5 LANDFILL INVESTIGATION

DATE COMPLETED	: 11-24-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J-1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC [.10 SLOT SCREEN]		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SAND, medium/fine - brown/ orange		
6					
12					
18					
24					
30					
36					
42			SAND, fine - lt. olive green		
48					
54					
60					
66					
72					
78					
84					
90					
96					
102	4085.06	1		0 PPM	1115
108			Groundwater Sample H2O @ 108"		
114			SAND, fine - olive green w/ some SILT		
120			SAND, med. / fine - lt. tan		
126	4085.07	2		0 PPM	1123
132					
138					
144					
150					

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JOSEPH FALLON
M5 LANDFILL INVESTIGATION

DATE COMPLETED	: 11-24-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J-1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC [.10 SLOT SCREEN]		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SILT w/ some fine - SAND,-brown / lt. brown		
6					
12					
18					
24					
30					
36					
42					
48			SAND, med. / fine - tan / lt. olive green		
54					
60			SAND, med. / fine - tan		
66					
72					
78					
84					
90					
96					
102	4085.08	1		0 PPM	1150
108			Groundwater Sample H2O @ 108"		
114			SAND, med. / fine - tan		
120					
126	4085.09	2		0 PPM	1158
132			SILT w/ some fine - SAND, -olive green		
138					
144					
150					

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LOG OF BORING M5-(675) 311

US ARMY
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JOSEPH FALLON
M5 LANDFILL INVESTIGATION

DATE COMPLETED	: 11-24-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J-1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC [.10 SLOT SCREEN]		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SILT fine - SAND, -brown		
6					
12					
18					
24			SILTY CLAY, and SAND, fine - olive green		
30					
36					
42					
48			SILT fine - SAND, -olive green		
54					
60					
66					
72					
78					
84					
90			SILTY CLAY, and SAND, fine - olive green		
96					
102	4085.10	1		0 PPM	1255
108			Groundwater Sample H2O @ 108"		
114			SILTY CLAY, and SAND, fine - olive green		
120					
126	4085.11	2		0 PPM	1320
132			SAND, fine - olive green		
138					
144					
150					

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LOG OF BORING M5-(675) 312

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M5 LANDFILL INVESTIGATION

DATE COMPLETED	: 11-24-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J-1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC [.10 SLOT SCREEN]		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SILT fine - SAND, -brown		
6					
12					
18					
24			SILTY CLAY, and SAND, fine - olive green		
30					
36					
42					
48			SILT fine - SAND, -olive green		
54					
60					
66					
72					
78					
84					
90			SILTY CLAY, and SAND, fine - olive green		
96					
102	4085.12	1		0 PPM	1400
108			Groundwater Sample H2O @ 108"		
114			SILTY CLAY, and SAND, fine - olive green		
120					
126	4085.13	2		0 PPM	1409
132			SAND, fine - olive green		
138					
144					
150					

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LOG OF BORING M5-(675) 313

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M5 LANDFILL INVESTIGATION

DATE COMPLETED	: 11-24-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J-1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC [.10 SLOT SCREEN]		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SILT small fine - lt. brown		
6					
12					
18					
24					
30					
36			SILTY CLAY, fine / med. - small - lt. olive green		
42					
48					
54					
60					
66					
72					
78					
84					
90	4085.14	1	SILTY CLAY, fine - small - olive green	0 PPM	1440
96			Groundwater Sample H2O @ 96"		
102			SILTY CLAY, fine - small - olive green		
108					
114	4085.15	2		0 PPM	1456
120					
126					
132					
138					
144					
150					

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FORT MONMOUTH
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LOG OF BORING M5-(675) 314

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M5 LANDFILL INVESTIGATION

DATE COMPLETED	: 11-24-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J-1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC [.10 SLOT SCREEN]		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SILT small fine - lt. brown		
6					
12					
18					
24					
30					
36			SILTY CLAY, fine / med. - small - lt. olive green		
42					
48					
54					
60					
66					
72					
78					
84					
90	4085.16	1	SILTY CLAY, fine - small - olive green	0 PPM	1530
96			Groundwater Sample H2O @ 96"		
102			SILTY CLAY, fine - small - olive green		
108					
114	4085.17	2		0 PPM	1545
120					
126					
132					
138					
144					
150					

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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M5-(675) 315

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M5 LANDFILL INVESTIGATION

DATE COMPLETED	: 12-17-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J-1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC [.10 SLOT SCREEN]		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SILT fine - small -lt. brown		
6					
12					
18			SAND, med. / fine - w/ some crushed coarse gravels		
			SAND, med. / fine - orange / lt. olive green		
24					
30					
36					
42					
48					
54					
60					
66					
72					
78					
84					
90					
96			SAND, fine / med. - lt. olive green		
102					
108					
114	4147.02	1		0 PPM	1040
120			Groundwater Sample H2O @ 120"		
126			SAND, fine / med. - lt. olive green		
132	4147.03	2		0 PPM	1100
138					
144					
150					

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LOG OF BORING M5-(675) 316

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JOSEPH FALLON
M5 LANDFILL INVESTIGATION

DATE COMPLETED : 12-17-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SILT fine - small -lt. brown		
6					
12					
18			SAND, med. / fine - w/ some crushed coarse gravels		
			SAND, med. / fine - orange / lt. olive green		
24					
30					
36					
42					
48					
54					
60					
66					
72					
78					
84					
90					
96			SAND, fine / med. - lt. olive green		
102					
108					
114	4147.04	1		0 PPM	1140
120			Groundwater Sample H2O @ 120"		
126			SAND, fine / med. - lt. olive green		
132	4147.05	2		0 PPM	1150
138					
144					
150					

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LOG OF BORING M5-(675) 317

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FT. MONMOUTH N.J.
SELFM-PW-EV

JOSEPH FALLON
M5 LANDFILL INVESTIGATION

DATE COMPLETED	: 12-17-98	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-007
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J-1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC [.10 SLOT SCREEN]		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SILT fine - small -lt. brown		
6					
12					
18			SAND, med. / fine - w/ some crushed coarse gravels		
			SAND, med. / fine - orange / lt. olive green		
24					
30					
36					
42					
48					
54					
60					
66					
72					
78					
84					
90					
96			SAND, fine / med. - lt. olive green		
102					
108					
114	4147.06	1		0 PPM	1300
120			Groundwater Sample H2O @ 120"		
126			SAND, fine / med. - lt. olive green		
132	4147.07	2		0 PPM	1311
138					
144					
150					

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FORT MONMOUTH
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LOG OF BORING M5-(675) 318

US ARMY
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JOSEPH FALLON
M5 LANDFILL INVESTIGATION

DATE COMPLETED : 12-17-98
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC [.10 SLOT SCREEN]

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-007
NJDEP LIC. # : J-1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	HNU	TIME
0			SILT fine - small -lt. brown		
6					
12					
18			SAND, med. / fine - w/ some crushed coarse gravels		
			SAND, med. / fine - w/ some cement debris		
24					
30					
36			SAND, med. / fine - orange / lt. olive green		
42					
48					
54					
60					
66					
72					
78					
84					
90					
96			SAND, fine / med. - lt. olive green		
102					
108					
114	4147.08	1		0 PPM	1340
120			Groundwater Sample H2O @ 120"		
126			SAND, fine / med. - lt. olive green		
132	4147.09	2		0 PPM	1355
138					
144					
150					

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LOG OF BORING M5MW15

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FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-24-99	OPERATOR	: TIM A.WESTOVER
HOLE DIAMETER	: 11"	GEOLOGIST	: PETER NICULESCU
DRILLING METHOD	: HOLLOW STEM AUGER	NJDEP PERMIT NO.	: 29 40 120
SAMPLING METHOD	: 2" SPLIT SPOON	NJDEP COORD.	: 29.14.4.45
DRILLING COMPANY	: LUTZ ENVIRONMENTAL		

Depth in FOOT	Samples	Blow Count	HNU	DESCRIPTION	USCS	TIME
0						
1	1	3 6 6 5	0 PPM	Dark gray silty SAND, some clay and root fragments		10:05
2				Yellowish brown, fine to medium silty SAND. Some gravel.		
3	2	3 4 3	0 PPM			10:08
4		4		Green and yellowish brown to gray, fine to medium silty SAND, trace of gravel and clay.		
5	3	4 6 8	0 PPM			10:10
6		8				
7	4	3 6 9	0 PPM			10:15
8		9				
9	5	4 9 8	0 PPM			10:20
10		8				
11	6	1 1 1	0 PPM	Moist at 10.5 feet. Saturated at 11 feet.		10:30
12		1				
13	7	5 7 6	0 PPM			10:40
14		5				
15	8	2 5 13	0 PPM	Greenish gray, very fine to fine silty SAND, some clay. Saturated.		10:50
16		19				
17	9	7 11 19	0 PPM			11:00
18		14				

Well Construction Information

WELL CASING:
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : Threaded
LENGTH : 7 feet

WELL SCREEN
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : Threaded
LENGTH : 13 feet

SAND PACK : morie gravel #1

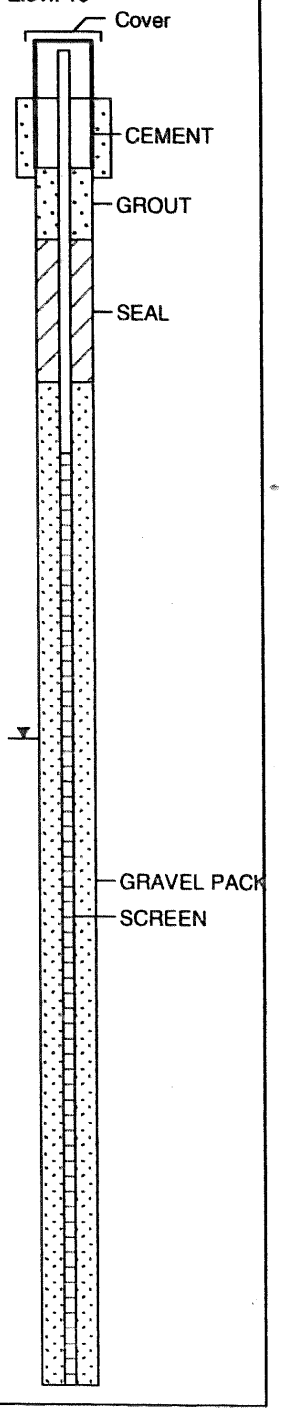
ANNULUS SEAL bentonite

STICK UP :
MATERIAL : steel
DIAMETER : 6 inch

NOTES

Development of the monitor well was performed using a sumersible pump until ground water was visibly free of sediments (approximately one hour and 25 minutes)

Well: M5MW15
Elev.: 10



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LOG OF BORING M5MW16

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SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-24-99	OPERATOR	: TIM A. WESTOVER
HOLE DIAMETER	: 11"	GEOLOGIST	: PETER NICULESCU
DRILLING METHOD	: HOLLOW STEM AUGER	NJDEP PERMIT NO.	: 29 40 121
SAMPLING METHOD	: 2" SPLIT SPOON	NJDEP COORD. NO.	: 29 14 445
DRILLING COMPANY	: LUTZ ENVIRONMENTAL		

Depth in FOOT	Samples	Blow Count	HNU	DESCRIPTION	USCS	TIME
0		4		Dark gray silty CLAY, some sand and root fragments		
1	1	11 8	0 PPM	Reddish brown, fine to medium silty SAND. Some gravel.		13:30
2		6 5		Black, fine to medium silty SAND, trace of gravel and clay.		
3	2	4 3	0 PPM	Greenish gray, fine to medium silty SAND, trace clay.		13:32
4		3 4				
5	3	3 2	0 PPM			13:35
6		3 1				
7	4	1 3	0 PPM	Moist at 6 feet Saturated at 7 feet		13:40
8		3 1				
9	5	1 1 2	0 PPM			13:50
10		3		Dark gray silty SAND, some clay.		
11	6	4 6	1 PPM			14:10
12		5 5				
13	7	5 7	2 PPM			14:25
14		3 4		Reddish brown silty CLAY. Becomes dark green to gray sandy CLAY at 14 feet.		
15	8	5 8	0 PPM			14:35
16		11				

Well Construction Information

WELL CASING:
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : Threaded
LENGTH : 5 feet

WELL SCREEN
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : Threaded
LENGTH : 13 feet

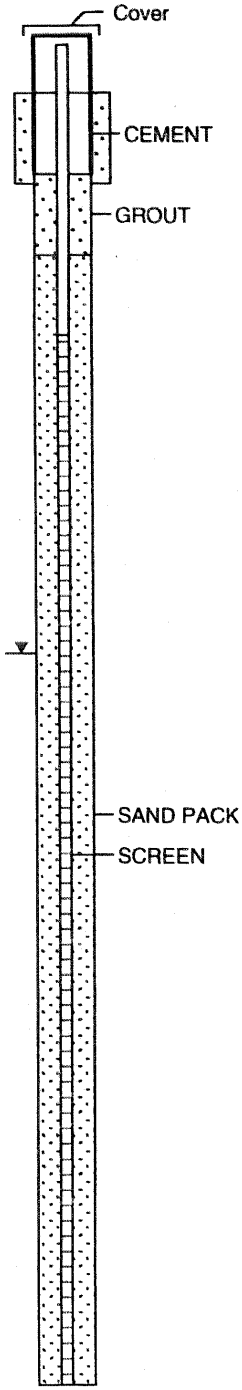
SAND PACK : morie gravel #1

ANNULUS SEAL bentonite

STICK UP :
MATERIAL : steel
DIAMETER : 6 inch

NOTES
Development of the monitor well was performed using a sumersible pump until ground water was visibly free of sediments (approximately one hour)

Well: M5MW16
Elev.: 10



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LOG OF BORING M5MW18

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SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-26-99	OPERATOR	: TIM A. WESTOVER
HOLE DIAMETER	: 11"	GEOLOGIST	: PETER NICULESCU
DRILLING METHOD	: HOLLOW STEM AUGER	NJDEP PERMIT NO.	: 29 40 123
SAMPLING METHOD	: 2" SPLIT SPOON	NJDEP COORD.	: 29.14.4.45
DRILLING COMPANY	: LUTZ ENVIRONMENTAL		

Depth in FOOT	Samples	Blow Count	%RECOV.	DESCRIPTION	USCS	HNU
0–1	1	2 6 6 5	80	Brown to black silty SAND, some clay. Root and brick fragments.	FILL	0 PPM
2–3	2	3 4 5 6	65	Yellowish brown, medium to coarse silty SAND. Trace gravel. Gravel contents increasing with depth. Becomes green at 4.0 feet.	SM	0 PPM
4–5	3	5 6 6 8	70	Moist at 4.5 feet Wet at 6.0 feet	SM	0 PPM
6–7	4	8 12 13 16	90		SM	0 PPM
8–9	5	5 6 9 20	100	Dark green, fine to medium silty SAND, trace of clay.	SM	0 PPM
10–11	6	3 3 5 5	90	Green to dark green, very fine to fine silty sand , some clay (clayey SAND)	SC	0 PPM
12–13	7	2 5 8 13	70		SC	0 PPM
14–15	8	2 3 6 12	60		SC	0 PPM
16–17	9	3 4 9 19	80		SC	0 PPM
18–19	10	5 12 19 20	90		SC	0 PPM

Well Construction Information

WELL CASING:
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : threaded
LENGTH : 5 feet

WELL SCREEN
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : threaded
OPENING : 0.010 inch
LENGTH : 15 feet

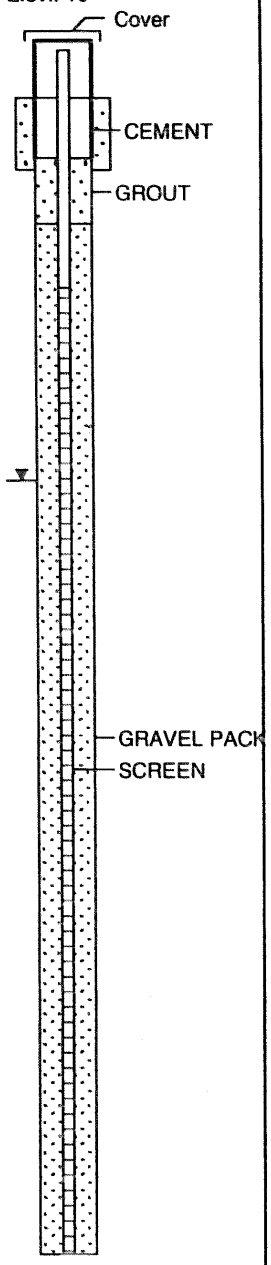
SAND PACK : Morie gravel #1

ANNULUS SEAL bentonite

STICKUP
MATERIAL : steel
DIAMETER : 6 inch

NOTES
Development of the monitor well was performed using a sumersible pump until ground water was visibly free of sediments (approximately one hour)

Well: M5MW19
Elev.: 10



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LOG OF BORING M5MW19

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JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-26-99	OPERATOR	: TIMOTHY A. WESTOVER
HOLE DIAMETER	: 12"	GEOLOGIST	: PETER NICULESCU
DRILLING METHOD	: HOLLOW STEM AUGER	NJDEP PERMIT NO.	: 29 40 124
SAMPLING METHOD	: 2" SPLIT SPOON	NJDEP COORD.	: 29.14.445
DRILLING COMPANY	: LUTZ ENVIRONMENTAL		

Depth in FOOT	Samples	Blow Count	%RECOV.	DESCRIPTION	USCS	HNU
0	1	2 8 7 6	50	Brown to black silty SAND, some clay. Root fragments.	SM	0 PPM
2	2	8 8 9 7	60	Orange, medium to coarse silty SAND. Trace gravel. Gravel contents increasing with depth. Becomes green at 4.0 feet.	SM	0 PPM
4	3	3 4 4 5	40	Moist at 5.5 feet	SM	0 PPM
6	4	5 5 9 10	50	Wet at 6.5 feet	SM	0 PPM
8	5	6 8 9 15	100		SM	0 PPM
10	6	3 4 5 8	60		SM	0 PPM
12	7	2 3 5 10	70	Dark green, fine silty SAND, trace of clay. Lenses of dark blue and reddish brown silty clay.	SM/SC	0 PPM
14	8	3 7 9 14	70		SM/SC	0 PPM
16	9	4 9 14 13	80		SM/SC	0 PPM
18	10	5 9 14 15	90	Green to dark green, very fine to fine silty SAND , some clay (clayey SAND)	SM/SC	0 PPM
20	11	11 16.22 24	100		SM/SC	0 PPM
22						

Well Construction Information

WELL CASING:
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : threaded
LENGTH : 5 feet

WELL SCREEN
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : threaded
OPENING : 0.010 inch
LENGTH : 15 feet

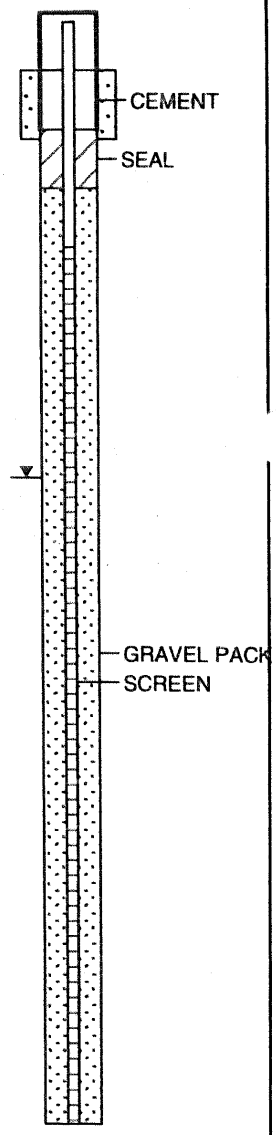
SAND PACK : Morie gravel #1

ANNULUS SEAL : bentonite

STICKUP :
MATERIAL : steel
DIAMETER : 6 inch

NOTES
Development of the monitor well was performed using a sumersible pump until ground water was visibly free of sediments (approximately one hour)

Well: M5MW19
Elev.: 10



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LOG OF BORING M5MW20

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SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-25-99	OPERATOR	: TIM A. WESTOVER
HOLE DIAMETER	: 11"	GEOLOGIST	: PETER NICULESCU
DRILLING METHOD	: HOLLOW STEM AUGER	NJDEP PERMIT NO	: 29 40 122
SAMPLING METHOD	: 2" SPLIT SPOON	NJDEP COORD. NO	: 29.14.445
DRILLING COMPANY	: LUTZ ENVIRONMENTAL		

Depth in FOOT	Samples	Blow Count	HNU	DESCRIPTION	USCS	TIME
0		2		Dark gray silty CLAY, some sand, gravel and root fragments		
		2		Gray fine to medium silty SAND, trace of clay.		
1	1	4	0 PPM			14:00
		5				
2		5				
		3				
3	2	3	0 PPM			14:03
		3		Reddish brown, fine to medium silty SAND, trace gravel.		
4		5				
		3				
5	3	4	0 PPM			14:05
		3		Moist at 5.5 feet.		
6		4		Saturated at 6 feet.		
		3				
7	4	3	0 PPM			14:10
		5				
8		4		Greenish gray,very fine to fine silty SAND, trace of gravel and clay. Increasing clay contents with depth.		
		6				
9	5	7	0 PPM			14:15
		12				
10		4				
		12				
11	6	14	0 PPM			14:25
		16				
12		6				
		9				
13	7	11	0 PPM			14:35
		16				
14						

Well Construction Information

WELL CASING:
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : Threaded
LENGTH : 6 feet

WELL SCREEN
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : Threaded
LENGTH : 10 feet

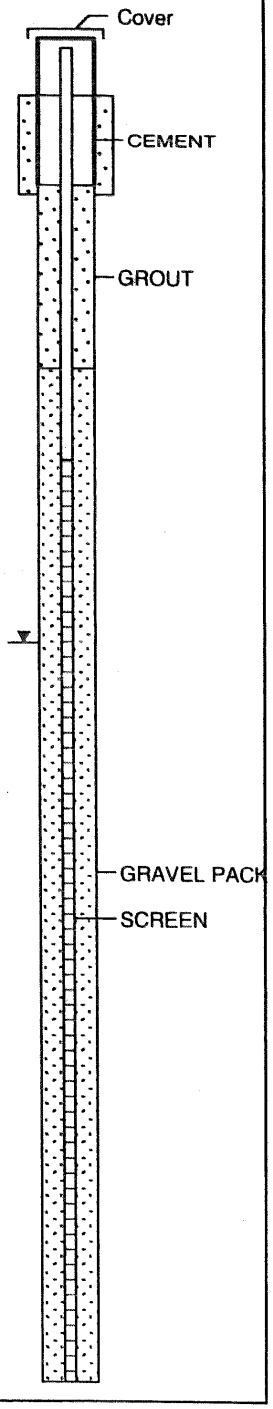
SAND PACK : morie gravel #1

ANNULUS SEAL bentonite

STICK UP
MATERIAL : steel
DIAMETER : 6 inch

NOTES
Development of the monitor well was performed on 03/26/99 using a sumersible pump until ground water was visibly free of sediments (approximately one hour)

Well: M5MW20
Elev.: 10



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LOG OF BORING M5MW23

U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-26-99	OPERATOR	: TIM A. WESTOVER
HOLE DIAMETER	: 11"	GEOLOGIST	: PETER NICULESCU
DRILLING METHOD	: HOLLOW STEM AUGER	NJDEP PERMIT NO.	: 29 40 125
SAMPLING METHOD	: 2" SPLIT SPOON	NJDEP COORD.	: 29.14.445
DRILLING COMPANY	: LUTZ ENVIRONMENTAL		

Depth in FOOT	Samples	Blow Count	%RECOV.	DESCRIPTION	USCS	HNU
0		4		Brown silty SAND, some gravel and clay. Root and wood fragments.	SC	
1	1	6 6 7	70	Brownish orange, fine to medium silty SAND. Trace gravel.	SC	0 PPM
2	2	5 6 7	60			0 PPM
3		6				
4	3	6 8 8	50			0 PPM
5		5				
6	4	12 11 13	80	Grayish brown medium to coarse silty SAND, some gravel. Moist at 6.0 feet Saturated at 6.5 feet	SM	0 PPM
7		10				
8	5	5 8 17	100			0 PPM
9		15		Green to dark green, very fine to medium silty sand , with traces of clay. Increasing clay contents with depth.	SM/SC	
10	6	4 7 12	40			0 PPM
11		19				
12	7	6 13 17	50			0 PPM
13		19				
14	8	5 12 21	40			0 PPM
15		24				
16	9	8 14 23	60			0 PPM
17		24				
18						

Well Construction Information

WELL CASING:
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : threaded
LENGTH : 5 feet

WELL SCREEN
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : threaded
OPENING : 0.010 inch
LENGTH : 15 feet

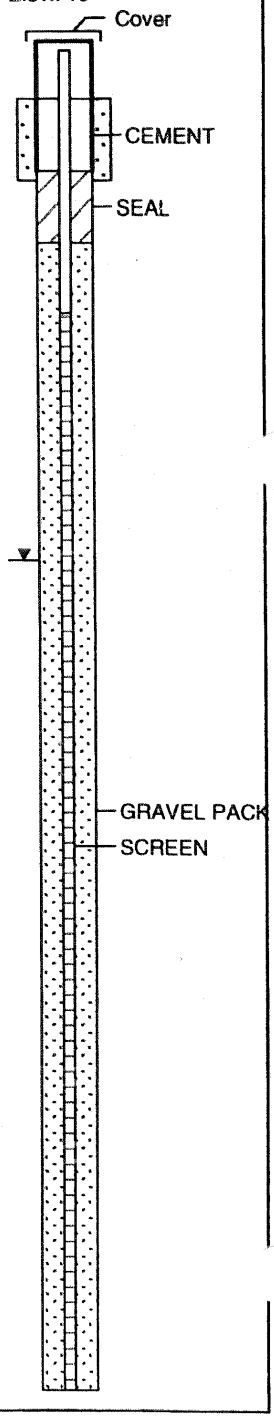
SAND PACK : Morie gravel #1

ANNULUS SEAL bentonite

STICKUP
MATERIAL : steel
DIAMETER : 6 inch

NOTES
Development of the monitor well was performed using a sumersible pump until ground water was visibly free of sediments (approximately 40 minutes)

Well: M5MW19
Elev.: 10



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U. S. ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M5MW25

U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-29-99	OPERATOR	: TIM A. WESTOVER
HOLE DIAMETER	: 11"	GEOLOGIST	: PETER NICULESCU
DRILLING METHOD	: HOLLOW STEM AUGER	NJDEP PERMIT NO.	: 29 40 126
SAMPLING METHOD	: 2" SPLIT SPOON	NJDEP COORD.	: 29.14.445
DRILLING COMPANY	: LUTZ ENVIRONMENTAL		

Depth in FOOT	Samples	Blow Count	%RECOV.	DESCRIPTION	USCS	HNU
0						
1	1	2 6 6	80	Brown to black silty CLAY, some sand. Root and wood fragments.	SC	0 PPM
2	2	5 2 2 4	60	Green to gray, sandy CLAY. Trace gravel.	SC	0 PPM
4	3	4 13 12 13	60	Yellowish to reddish brown, fine to medium silty SAND, trace of clay.	SM	0 PPM
6	4	9 5 4 5	70	Moist at 6.0 feet	SM	0 PPM
8	5	6 5 4 5	80	Saturated at 8.5 feet	SM	0 PPM
10	6	6 4 5 7	70	At 13.8 to 14.1 lense of gray coarse sand and gravel At 14.1 to 14.8 lense of reddish brown sandy clay	SM	0 PPM
12	7	10 3 4 6	90		SM	0 PPM
14	8	4 2 4 5	60		SM	0 PPM
16	9	12 7 8 12 15	90	Green to dark green, very fine to fine silty sand , some clay (clayey SAND)	SM/SC	0 PPM
18						

Well Construction Information

WELL CASING:
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : threaded
LENGTH : 5 feet

WELL SCREEN
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : threaded
OPENING : 0.010 inch
LENGTH : 15 feet

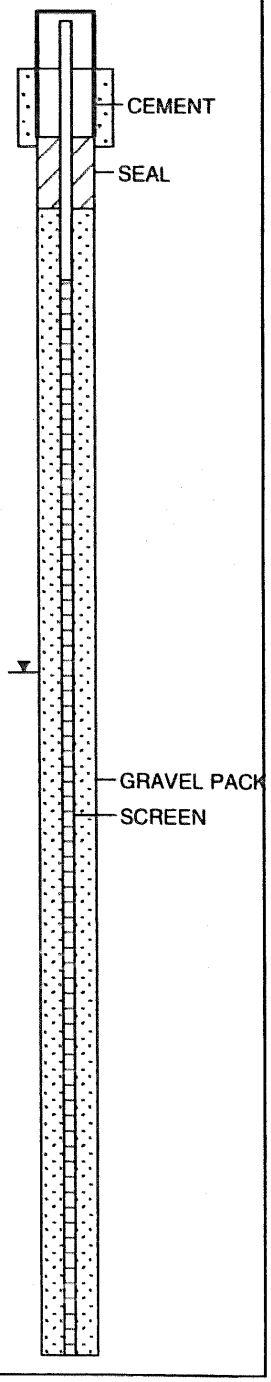
SAND PACK : Morie gravel #1

ANNULUS SEAL : bentonite

STICKUP
MATERIAL : steel
DIAMETER : 6 inch

NOTES
Development of the monitor well was performed using a sumersible pump until ground water was visibly free of sediments (approximately one hour)

Well: M5MW19
Elev.: 10



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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M8MW23

U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-30-99	OPERATOR	: TIM A. WESTOVER
HOLE DIAMETER	: 11"	GEOLOGIST	: PETER NICULESCU
DRILLING METHOD	: HOLLOW STEM AUGER	NJDEP PERMIT NO.	: 29 40 128
SAMPLING METHOD	: 2" SPLIT SPOON	NJDEP COORD.	: 29.14.445
DRILLING COMPANY	: LUTZ ENVIRONMENTAL		

Depth in FOOT	Samples	Blow Count	%RECOV.	DESCRIPTION	USCS	HNU
0	1	2 8 7	50	Gray to brown silty CLAY, some sand. Root fragments.	SM	0 PPM
2	2	6 2 2	70	Greenish black, medium to coarse silty SAND. Trace clay.	SM	0 PPM
4	3	6 7 9	50	Moist at 4.5 feet	SM	0 PPM
6	4	9 10 8	20	Wet at 6.0 feet Dark green, fine silty SAND, trace of clay.	SM/SC	0 PPM
8	5	5 5 3	20		SM/SC	0 PPM
10	6	2 2 2	20		SM/SC	0 PPM
12	7	2 1 1	30	Green to dark green, very fine to fine silty SAND, some clay (clayey SAND).	SM/SC	0 PPM
14	8	3 7 9	80		SM/SC	0 PPM
15		5 7				

Well Construction Information

WELL CASING:
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : threaded
LENGTH : 5 feet

WELL SCREEN
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : threaded
OPENING : 0.010 inch
LENGTH : 12 feet

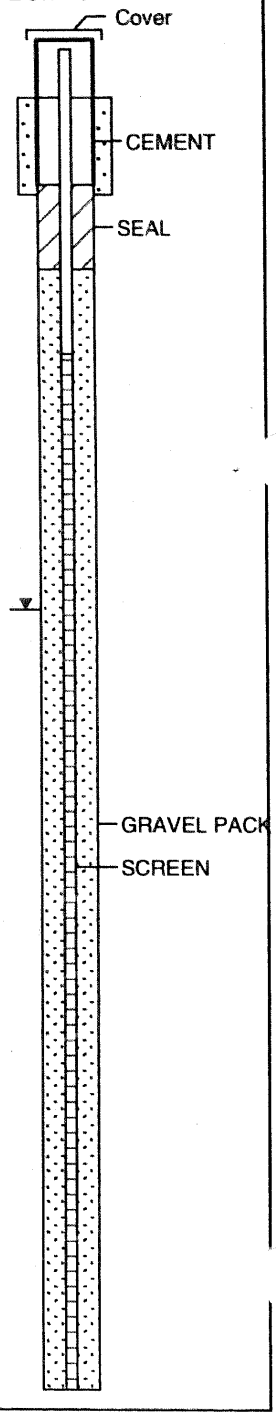
SAND PACK : Morie gravel #1

ANNULUS SEAL : bentonite

STICKUP :
MATERIAL : steel
DIAMETER : 6 inch

NOTES
Development of the monitor well was performed using a sumersible pump until ground water was visibly free of sediments (approximately one hour)

Well: M8MW23
Elev.: 10



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U. S. ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M8MW24

U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-29-99	OPERATOR	: TIM A. WESTOVER
HOLE DIAMETER	: 11"	GEOLOGIST	: PETER NICULESCU
DRILLING METHOD	: HOLLOW STEM AUGER	NJDEP PERMIT NO.	: 29 40 127
SAMPLING METHOD	: 2" SPLIT SPOON	NJDEP COORD.	: 29.14.445
DRILLING COMPANY	: LUTZ ENVIRONMENTAL		

Depth in FOOT	Samples	Blow Count	%RECOV.	DESCRIPTION	USCS	HNU
0						
1	1	2 6 4	100	Brown to black silty CLAY, some sand. Concrete, brick, paper, wire and wood fragments.		0 PPM
2		3 2				
3	2	4 5	60			0 PPM
4		5 5				
5	3	6 4	80			0 PPM
6		3 7		Moist at 6.0 feet		
7	4	4 5	30	Saturated at 7.0 feet		0 PPM
8		5 11				
9	5	12 13	20		FILL	0 PPM
10		18 5				
11	6	5 7	50			0 PPM
12		5 4				
13	7	6 8	20			0 PPM
14		8 14				
15	8	16 11	20			0 PPM
16		19 41				
17	9	16 8	30			0 PPM
18		9				

Well Construction Information

WELL CASING:
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : threaded
LENGTH : 5 feet

WELL SCREEN
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : threaded
OPENING : 0.010 inch
LENGTH : 15 feet

SAND PACK : Morie gravel #1

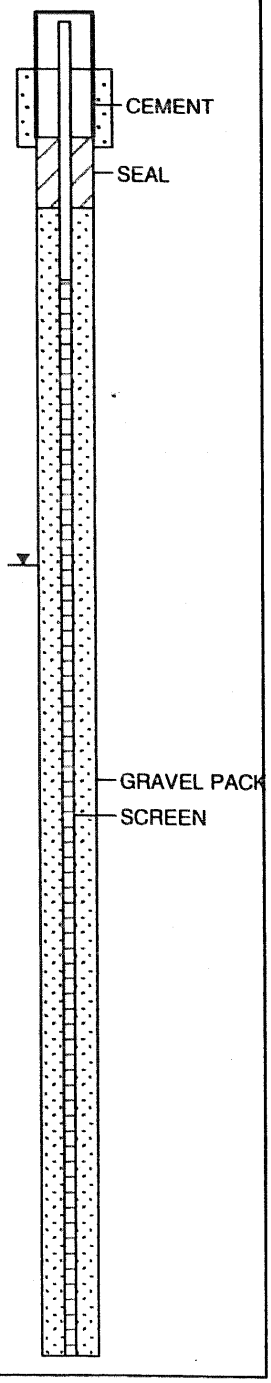
ANNULUS SEAL bentonite

STICKUP
MATERIAL : steel
DIAMETER : 6 inch

NOTES

Development of the monitor well was performed using a sumersible pump until ground water was visibly free of sediments (approximately one hour)

Well: M5MW19
Elev.: 10



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LOG OF BORING M5SB17

U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-30-99	OPERATOR	: TIMOTHY A. WESTOVER
HOLE DIAMETER	: 8"	GEOLOGIST	: PETER NICULESCU
DRILLING METHOD	: HOLLOW STEM AUGER	NJDEP PERMIT NO.	: 29. 40130
SAMPLING METHOD	: 2" SPLIT SPOON	NJDEP COORD.	: 29.14.445
DRILLING COMPANY	: LUTZ ENVIRONMENTAL		

Depth in FOOT	Blow Count	Samples	DESCRIPTION	HNU	TIME	REMARKS
0	3 5 7	1	Dark brown to black silty CLAY, some sand and root fragments, trace gravel.	0 PPM	08:00	
2	6 4 5 7	2		0 PPM	08:04	
4	10 2 7 7	3	Gray, medium silty SAND. Trace clay and gravel. Increasing gravel contents with depth. Moist at 7 feet.	0 PPM	08:08	
6	5 7 6 12	4	Saturated at 8 feet	0 PPM	08:15	
8	13 5 6 10	5		0 PPM	08:25	
10	14 5 9 15	6	Dark green silty SAND. Saturated. Some lenses of brown sandy CLAY.	0 PPM	NA	
12	17 8 13 16	7		0 PPM	NA	
14	18 8 17 28	8	Green, clayey SAND, trace silt, moist.	0 PPM	08:40	
16	26 14 31 35	9		0 PPM	08:55	
18	36 9 10 18	10	Greenish blue very fine to fine silty SAND with some clay. Dry. Dark green to black clay lenses.	0 PPM	NA	
20	17 5 9 13	11		0 PPM	NA	
22	19 4 7 8	12		0 PPM	09:30	
24	9 6 11 16	13		0 PPM	09:40	
26	17 6 12 12	14	Dark brown sandy CLAY. Dry.	0 PPM	NA	
28	17 5 7 9	15		0 PPM	NA	
30	13					

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LOG OF BORING M5SB17

U.S. ARMY
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JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-30-99	OPERATOR	: TIMOTHY A. WESTOVER
HOLE DIAMETER	: 8"	GEOLOGIST	: PETER NICULESCU
DRILLING METHOD	: HOLLOW STEM AUGER	NJDEP PERMIT NO.	: 29. 40130
SAMPLING METHOD	: 2" SPLIT SPOON	NJDEP COORD.	: 29.14.445
DRILLING COMPANY	: LUTZ ENVIRONMENTAL		

Depth in FOOT	Blow Count	Samples	DESCRIPTION	HNU	TIME	REMARKS
30	5 11 16	16		0 PPM	NA	
32	19 8 3	17		0 PPM	10:45	
34	22 26 8	18	Black sandy CLAY with some mica, dry	0 PPM	NA	
36	15 26 28	19		0 PPM	NA	
38	6 11 18	20		0 PPM	NA	
40	21 11 19	21		0 PPM	NA	
42	28 39 8	22		0 PPM	NA	
44	14 27 36	23		0 PPM	11:50	
46	14 27 42	24		0 PPM	NA	
48	49 12 29	25		0 PPM	NA	
50	29 48 18	26		0 PPM	NA	
52	29 36 40	27		0 PPM	NA	
54	14 29 42	28		0 PPM	NA	
56	58 11 17	29		0 PPM	NA	
58	28 34 11	30		0 PPM	13:15	
60	16 22 32 9 15 19 36 12 21 23 25 11 19 21 27					

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LOG OF BORING M5SB20

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FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-25-99	OPERATOR	: TIMOTHY A. WESTOVER
HOLE DIAMETER	: 8"	GEOLOGIST	: PETER NICULESCU
DRILLING METHOD	: HOLLOW STEM AUGER	WELL PERMIT NO.	: 29.40129
SAMPLING METHOD	: 2" SPLIT SPOON	NJDEP COORD.	: 29.14.445
DRILLING COMPANY	: LUTZ ENVIRONMENTAL		

Depth in FOOT	Blow Count	Samples	DESCRIPTION	HNU	TIME	REMARKS
0	2 2 4 5	1	Dark gray silty CLAY, some sand and root fragments, trace gravel. Gray, medium silty SAND. Trace clay.	0 PPM	08:15	
1						
2	5 3 3	2		0 PPM	08:20	
3						
4	3 5 3 4	3	Reddish brown silty SAND. Moist at 4.5 feet.	0 PPM	08:25	
5						
6	3 4 3 3	4	Wet at 6.0 feet	0 PPM	08:30	
7						
8	5 4 6 7	5	Dark green, fine silty SAND, trace clay. Wet. Increasing clay contents with depth.	0 PPM	08:35	
9						
10	12 4 12 14	6		0 PPM	NA	
11						
12	16 6 9 11	7		0 PPM	NA	
13						
14	16 5 11 16	8		0 PPM	NA	
15						
16	15 3 5 7	9	Dark green clayey SAND, trace of silt.	0 PPM	NA	
17						
18	12 6 7 9	10	Dark green sandy CLAY, trace of gravel, dry. Some silty sand intercalations.	0 PPM	NA	
19						
20	11 4 4	11		0 PPM	10:45	
21						

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LOG OF BORING M5SB20

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SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-25-99	OPERATOR	: TIMOTHY A. WESTOVER
HOLE DIAMETER	: 8"	GEOLOGIST	: PETER NICULESCU
DRILLING METHOD	: HOLLOW STEM AUGER	WELL PERMIT NO.	: 29.40129
SAMPLING METHOD	: 2" SPLIT SPOON	NJDEP COORD.	: 29.14.445
DRILLING COMPANY	: LUTZ ENVIRONMENTAL		

Depth in FOOT	Blow Count	Samples	DESCRIPTION	HNU	TIME	REMARKS
21	9 14	11	Dark green sandy CLAY, trace of gravel, dry. Some silty sand intercalations.	0 PPM	10:45	
22	5 8 13	12		0 PPM	NA	
23	17 4 7 13	13		0 PPM	NA	
24	19 9 14 18	14		0 PPM	NA	
25	19 4 10 9	15		0 PPM	NA	
26	11 5 5 8	16		0 PPM	12:05	
27	12 3 5 8	17		0 PPM	NA	
28	9 7 8 8	18		0 PPM	NA	
29	9 7 9 11	19		0 PPM	NA	
30	10 5 7 12	20		0 PPM	NA	
31	12 5 6 9 9	21		0 PPM	13:00	
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						

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LOG OF BORING M5SB23

U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-31-99	OPERATOR	: TIMOTHY A. WESTOVER
HOLE DIAMETER	: 6"	GEOLOGIST	: PETER NICULESCU
DRILLING METHOD	: HOLLOW STEM AUGER	NJDEP PERMIT NO.	: 29.40131
SAMPLING METHOD	: 2" SPLIT SPOON	NJDEP COORD.	: 29.14.445
DRILLING COMPANY	: LUTZ ENVIRONMENTAL		

Depth in FOOT	Blow Count	Samples	DESCRIPTION	HNU	TIME
0	3 5 7 6	1	Dark brown to black silty CLAY, some sand and root fragments, trace gravel.	0 PPM	08:00
2	4 5 7 10	2	Yellow to reddish brown, medium silty SAND. Trace gravel. Increasing gravel contents with depth.	0 PPM	08:04
4	5 7 7 5	3	Moist at 5 feet.	0 PPM	08:08
6	7 6 12 13	4	Saturated at 7 feet	0 PPM	08:15
8	5 6 10 14	5		0 PPM	08:25
10	5 9 15 17	6	Green to dark green silty CLAY. Wet. Some lenses of medium silty SAND.	0 PPM	NA
12	8 13 16 18	7	Dark green, fine silty SAND, trace clay. Increasing clay contents with depth.	0 PPM	NA
14	8 17 28 24	8		0 PPM	08:40
16	14 31 35 36	9		0 PPM	08:55
18	9 10 18 17	10	Dark brown to black clayey SAND, trace of silt. Dry.	0 PPM	NA
20	5 9 13 19	11		0 PPM	NA
22	4 7 8 9	12		0 PPM	09:30
24	6 11 16 17	13		0 PPM	09:40
26	6 12 12 17	14	Dark brown sandy CLAY. Some mica. Dry.	0 PPM	NA
28	5 7 9 13	15		0 PPM	NA
30					

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U.S. ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON
M-5 LANDFILL INVESTIGATION

DATE COMPLETED	: 3-31-99	OPERATOR	: TIMOTHY A. WESTOVER
HOLE DIAMETER	: 6"	GEOLOGIST	: PETER NICULESCU
DRILLING METHOD	: HOLLOW STEM AUGER	NJDEP PERMIT NO.	: 29.40131
SAMPLING METHOD	: 2" SPLIT SPOON	NJDEP COORD.	: 29.14.445
DRILLING COMPANY	: LUTZ ENVIRONMENTAL		

Depth in FOOT	Blow Count	Samples	DESCRIPTION	HNU	TIME
30	5 11 16 19	16		0 PPM	NA
32	8 3 22 26	17		0 PPM	10:45
34	8 15 26 28	18		0 PPM	NA
36	6 11 18 21	19		0 PPM	NA
38	11 19 28 39	20	Black sandy CLAY with some mica, dry	0 PPM	NA
40	8 14 27 36	21		0 PPM	NA
42	14 27 42 44	22		0 PPM	NA
44	12 29 29 48	23		0 PPM	11:50
46	18 29 36 40	24		0 PPM	NA
48	14 29 42 58	25		0 PPM	NA
50	11 17 28 34	26		0 PPM	NA
52	11 16 22 32	27		0 PPM	NA
54	9 15 19 36	28		0 PPM	NA
56	12 21 23 25	29		0 PPM	NA
58	11 19 21 27	30		0 PPM	13:15
60					

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APPENDIX C (PART 1)

SOIL BORING ANALYTICAL RESULTS

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
NJDEP LABORATORY CERTIFICATION # 13461

ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIROMENTAL DIVISION
Fort Monmouth, New Jersey

PROJECT: M-5 LANDFILL
VOLUME II

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Samples

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-1-36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03526.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 6.11 Date Analyzed: 04/10/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

0696

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-1-36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03526.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 6.11 Date Analyzed: 04/10/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-1-36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03526.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 6.11 Date Analyzed: 04/10/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-2-36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.09

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03528.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 4.82 Date Analyzed: 04/10/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-2-36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.09

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03528.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 4.82 Date Analyzed: 04/10/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-2-36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.09

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03528.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 4.82 Date Analyzed: 04/10/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0701

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-3-36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.13

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03530.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 6.32 Date Analyzed: 04/10/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
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-3-36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.13

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03530.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 6.32 Date Analyzed: 04/10/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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

0703

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-3-36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3465 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3465.13

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03530.D

Level: (low/med) MED Date Received: 04/08/98

% Moisture: not dec. 6.32 Date Analyzed: 04/10/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-4 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.05

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03542.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 4.1 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-4 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.05

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03542.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 4.1 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	800	U
1330-20-7	o-Xylene	540	U
100-42-5	Styrene	540	U
75-25-2	Bromoform	540	U
79-34-5	1,1,2,2-Tetrachloroethane	540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-4 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.05

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03542.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 4.1 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-5 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.09

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03544.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 6.14 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

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-5 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.09

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03544.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 6.14 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

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-5 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.09

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03544.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 6.14 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-6 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.13

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03546.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 4.86 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-6 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.13

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03546.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 4.86 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

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-6 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.13

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03546.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 4.86 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-7 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.17

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03548.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 10.31 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

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-7 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.17

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03548.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 10.31 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

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
541-73-1	1,3-Dichlorobenzene	860	U
106-46-7	1,4-Dichlorobenzene	860	U
95-50-1	1,2-Dichlorobenzene	860	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-7 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3470 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3470.17

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03548.D

Level: (low/med) MED Date Received: 04/09/98

% Moisture: not dec. 10.31 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-8 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03551.D

Level: (low/med) MED Date Received: 04/10/98

% Moisture: not dec. 25.26 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4400	U
1634044	Methyl-tert-Butyl ether	1000	U
108203	Di-isopropyl ether	670	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	340	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	670	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	670	U
75-35-4	1,1-Dichloroethene	340	U
67-64-1	Acetone	670	U
75-15-0	Carbon Disulfide	340	U
75-09-2	Methylene Chloride	670	U
156-60-5	trans-1,2-Dichloroethene	670	U
75-35-3	1,1-Dichloroethane	340	U
108-05-4	Vinyl Acetate	1000	U
78-93-3	2-Butanone	1000	U
	cis-1,2-Dichloroethene	340	U
67-66-3	Chloroform	340	U
75-55-6	1,1,1-Trichloroethane	340	U
56-23-5	Carbon Tetrachloride	670	U
71-43-2	Benzene	340	U
107-06-2	1,2-Dichloroethane	670	U
79-01-6	Trichloroethene	340	U
78-87-5	1,2-Dichloropropane	340	U
75-27-4	Bromodichloromethane	340	U
110-75-8	2-Chloroethyl vinyl ether	670	U
10061-01-5	cis-1,3-Dichloropropene	340	U
108-10-1	4-Methyl-2-Pentanone	670	U
108-88-3	Toluene	340	U
10061-02-6	trans-1,3-Dichloropropene	670	U
79-00-5	1,1,2-Trichloroethane	670	U
127-18-4	Tetrachloroethene	340	U
591-78-6	2-Hexanone	670	U
126-48-1	Dibromochloromethane	670	U
108-90-7	Chlorobenzene	340	U
100-41-4	Ethylbenzene	670	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-8 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03551.D

Level: (low/med) MED Date Received: 04/10/98

% Moisture: not dec. 25.26 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

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
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-8 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03551.D

Level: (low/med) MED Date Received: 04/10/98

% Moisture: not dec. 25.26 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0719

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-9 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.09

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03553.D

Level: (low/med) MED Date Received: 04/10/98

% Moisture: not dec. 14.51 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3800	U
1634044	Methyl-tert-Butyl ether	880	U
108203	Di-isopropyl ether	590	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	880	U
74-83-9	Bromomethane	590	U
75-00-3	Chloroethane	880	U
75-69-4	Trichlorofluoromethane	590	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	590	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	590	U
156-60-5	trans-1,2-Dichloroethene	590	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	880	U
78-93-3	2-Butanone	880	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	590	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	590	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	590	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	590	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	590	U
79-00-5	1,1,2-Trichloroethane	590	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	590	U
126-48-1	Dibromochloromethane	590	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	590	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-9 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.09

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03553.D

Level: (low/med) MED Date Received: 04/10/98

% Moisture: not dec. 14.51 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

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
541-73-1	1,3-Dichlorobenzene	880	U
106-46-7	1,4-Dichlorobenzene	880	U
95-50-1	1,2-Dichlorobenzene	880	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-9 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.09

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03553.D

Level: (low/med) MED Date Received: 04/10/98

% Moisture: not dec. 14.51 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-10 46"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03555.D

Level: (low/med) MED Date Received: 04/10/98

% Moisture: not dec. 7.87 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	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-10 46"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03555.D

Level: (low/med) MED Date Received: 04/10/98

% Moisture: not dec. 7.87 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

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
541-73-1	1,3-Dichlorobenzene	820	U
106-46-7	1,4-Dichlorobenzene	820	U
95-50-1	1,2-Dichlorobenzene	820	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-10 46"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3472 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3472.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03555.D

Level: (low/med) MED Date Received: 04/10/98

% Moisture: not dec. 7.87 Date Analyzed: 04/13/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-11 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.05

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03566.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 6.09 Date Analyzed: 04/20/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
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-11 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.05

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03566.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 6.09 Date Analyzed: 04/20/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-11 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.05

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03566.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 6.09 Date Analyzed: 04/20/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	11.93	4900	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-12 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.09

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03568.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 6.82 Date Analyzed: 04/21/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	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-12 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.09

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03568.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 6.82 Date Analyzed: 04/21/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-12 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.09

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03568.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 6.82 Date Analyzed: 04/21/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0731

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-13 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.13

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03570.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 7.76 Date Analyzed: 04/21/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	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-13 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.13

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03570.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 7.76 Date Analyzed: 04/21/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-13 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.13

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03570.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 7.76 Date Analyzed: 04/21/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0734

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-14 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.17

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03576.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 7.33 Date Analyzed: 04/22/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
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-14 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.17

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03576.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 7.33 Date Analyzed: 04/22/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-14 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.17

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03576.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 7.33 Date Analyzed: 04/22/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0737

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-15 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.21

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03578.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 8.56 Date Analyzed: 04/22/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
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-15 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.21

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03578.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 8.56 Date Analyzed: 04/22/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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

0739

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-15 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3473 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3473.21

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03578.D

Level: (low/med) MED Date Received: 04/11/98

% Moisture: not dec. 8.56 Date Analyzed: 04/22/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-16 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.05

Sample wt/vol: 9.1 (g/ml) G Lab File ID: V03608.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 29.46 Date Analyzed: 04/23/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2700	U
107131	Acrylonitrile	2700	U
75650	tert-Butyl alcohol	5100	U
1634044	Methyl-tert-Butyl ether	1200	U
108203	Di-isopropyl ether	780	U
	Dichlorodifluoromethane	1600	U
74-87-3	Chloromethane	390	U
75-01-4	Vinyl Chloride	1200	U
74-83-9	Bromomethane	780	U
75-00-3	Chloroethane	1200	U
75-69-4	Trichlorofluoromethane	780	U
75-35-4	1,1-Dichloroethene	390	U
67-64-1	Acetone	780	U
75-15-0	Carbon Disulfide	390	U
75-09-2	Methylene Chloride	780	U
156-60-5	trans-1,2-Dichloroethene	780	U
75-35-3	1,1-Dichloroethane	390	U
108-05-4	Vinyl Acetate	1200	U
78-93-3	2-Butanone	1200	U
	cis-1,2-Dichloroethene	390	U
67-66-3	Chloroform	390	U
75-55-6	1,1,1-Trichloroethane	390	U
56-23-5	Carbon Tetrachloride	780	U
71-43-2	Benzene	390	U
107-06-2	1,2-Dichloroethane	780	U
79-01-6	Trichloroethene	390	U
78-87-5	1,2-Dichloropropane	390	U
75-27-4	Bromodichloromethane	390	U
110-75-8	2-Chloroethyl vinyl ether	780	U
10061-01-5	cis-1,3-Dichloropropene	390	U
108-10-1	4-Methyl-2-Pentanone	780	U
108-88-3	Toluene	390	U
10061-02-6	trans-1,3-Dichloropropene	780	U
79-00-5	1,1,2-Trichloroethane	780	U
127-18-4	Tetrachloroethene	780	
591-78-6	2-Hexanone	780	U
126-48-1	Dibromochloromethane	780	U
108-90-7	Chlorobenzene	390	U
100-41-4	Ethylbenzene	780	U

0741

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-16 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.05

Sample wt/vol: 9.1 (g/ml) G Lab File ID: V03608.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 29.46 Date Analyzed: 04/23/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1200	U
1330-20-7	o-Xylene	780	U
100-42-5	Styrene	780	U
75-25-2	Bromoform	780	U
79-34-5	1,1,2,2-Tetrachloroethane	780	U

0742

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-16 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.05

Sample wt/vol: 9.1 (g/ml) G Lab File ID: V03608.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 29.46 Date Analyzed: 04/23/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0743

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-17 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.09

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03617.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 21 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4200	U
1634044	Methyl-tert-Butyl ether	960	U
108203	Di-isopropyl ether	640	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	320	U
75-01-4	Vinyl Chloride	960	U
74-83-9	Bromomethane	640	U
75-00-3	Chloroethane	960	U
75-69-4	Trichlorofluoromethane	640	U
75-35-4	1,1-Dichloroethene	320	U
67-64-1	Acetone	640	U
75-15-0	Carbon Disulfide	320	U
75-09-2	Methylene Chloride	640	U
156-60-5	trans-1,2-Dichloroethene	640	U
75-35-3	1,1-Dichloroethane	320	U
108-05-4	Vinyl Acetate	960	U
78-93-3	2-Butanone	960	U
	cis-1,2-Dichloroethene	320	U
67-66-3	Chloroform	320	U
75-55-6	1,1,1-Trichloroethane	320	U
56-23-5	Carbon Tetrachloride	640	U
71-43-2	Benzene	320	U
107-06-2	1,2-Dichloroethane	640	U
79-01-6	Trichloroethene	320	U
78-87-5	1,2-Dichloropropane	320	U
75-27-4	Bromodichloromethane	320	U
110-75-8	2-Chloroethyl vinyl ether	640	U
10061-01-5	cis-1,3-Dichloropropene	320	U
108-10-1	4-Methyl-2-Pentanone	640	U
108-88-3	Toluene	320	U
10061-02-6	trans-1,3-Dichloropropene	640	U
79-00-5	1,1,2-Trichloroethane	640	U
127-18-4	Tetrachloroethene	320	U
591-78-6	2-Hexanone	640	U
126-48-1	Dibromochloromethane	640	U
108-90-7	Chlorobenzene	320	U
100-41-4	Ethylbenzene	640	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-17 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.09

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03617.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 21 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	960	U
1330-20-7	o-Xylene	640	U
100-42-5	Styrene	640	U
75-25-2	Bromoform	640	U
79-34-5	1,1,2,2-Tetrachloroethane	640	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-17 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.09

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03617.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 21 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 2

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	19.23	2100	J
2. 000108-87-2	Cyclohexane, methyl-	22.19	5400	JN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-18 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.13

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03619.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 23.38 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2400	U
107131	Acrylonitrile	2400	U
75650	tert-Butyl alcohol	4500	U
1634044	Methyl-tert-Butyl ether	1000	U
108203	Di-isopropyl ether	690	U
	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	350	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	690	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	690	U
75-35-4	1,1-Dichloroethene	350	U
67-64-1	Acetone	690	U
75-15-0	Carbon Disulfide	350	U
75-09-2	Methylene Chloride	690	U
156-60-5	trans-1,2-Dichloroethene	690	U
75-35-3	1,1-Dichloroethane	350	U
108-05-4	Vinyl Acetate	1000	U
78-93-3	2-Butanone	1000	U
	cis-1,2-Dichloroethene	350	U
67-66-3	Chloroform	350	U
75-55-6	1,1,1-Trichloroethane	350	U
56-23-5	Carbon Tetrachloride	690	U
71-43-2	Benzene	350	U
107-06-2	1,2-Dichloroethane	690	U
79-01-6	Trichloroethene	350	U
78-87-5	1,2-Dichloropropane	350	U
75-27-4	Bromodichloromethane	350	U
110-75-8	2-Chloroethyl vinyl ether	690	U
10061-01-5	cis-1,3-Dichloropropene	350	U
108-10-1	4-Methyl-2-Pentanone	690	U
108-88-3	Toluene	350	U
10061-02-6	trans-1,3-Dichloropropene	690	U
79-00-5	1,1,2-Trichloroethane	690	U
127-18-4	Tetrachloroethene	350	U
591-78-6	2-Hexanone	690	U
126-48-1	Dibromochloromethane	690	U
108-90-7	Chlorobenzene	350	U
100-41-4	Ethylbenzene	690	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-18 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.13

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03619.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 23.38 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	1000	U
1330-20-7	o-Xylene	690	U
100-42-5	Styrene	690	U
75-25-2	Bromoform	690	U
79-34-5	1,1,2,2-Tetrachloroethane	690	U

0748

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-18 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.13

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03619.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 23.38 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-19 32"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.17

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03621.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 5.61 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	850	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	850	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	850	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	850	U
78-93-3	2-Butanone	850	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-19 32"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.17

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03621.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 5.61 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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 32"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3477 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3477.17

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03621.D

Level: (low/med) MED Date Received: 04/13/98

% Moisture: not dec. 5.61 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-20 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.05

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03626.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.84 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-20 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.05

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03626.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.84 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-20 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.05

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03626.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.84 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-21 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.09

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03628.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 4.63 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-21 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.09

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03628.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 4.63 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-21 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.09

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03628.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 4.63 Date Analyzed: 04/24/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	13.16	1400	J

0758

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-22 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.13

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03635.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.46 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	850	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	850	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	850	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	850	U
78-93-3	2-Butanone	850	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-22 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.13

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03635.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.46 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-22 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.13

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03635.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.46 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.17

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03637.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.99 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	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.

Field Dup

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.17

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03637.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.99 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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.

Field Dup

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3479 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3479.17

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03637.D

Level: (low/med) MED Date Received: 04/14/98

% Moisture: not dec. 5.99 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	13.18	3100	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-23 39"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.05

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03640.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 5.16 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

0765

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-23 39"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.05

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03640.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 5.16 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-23 39"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.05

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03640.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 5.16 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0767

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-24 39"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.09

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03642.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 14.34 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	900	U
108203	Di-isopropyl ether	600	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	900	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	900	U
75-69-4	Trichlorofluoromethane	600	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	600	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	600	U
156-60-5	trans-1,2-Dichloroethene	600	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	900	U
78-93-3	2-Butanone	900	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	600	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	600	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	600	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	600	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	600	U
79-00-5	1,1,2-Trichloroethane	600	U
127-18-4	Tetrachloroethene	440	
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-24 39"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.09

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03642.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 14.34 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-24 39"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.09

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03642.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 14.34 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-25 46"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03644.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 15.57 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	900	U
108203	Di-isopropyl ether	600	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	900	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	900	U
75-69-4	Trichlorofluoromethane	600	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	600	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	600	U
156-60-5	trans-1,2-Dichloroethene	600	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	900	U
78-93-3	2-Butanone	900	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	600	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	600	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	600	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	600	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	600	U
79-00-5	1,1,2-Trichloroethane	600	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	600	U
126-48-1	Dibromochloromethane	600	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	600	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-25 46"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03644.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 15.57 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-25 46"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03644.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 15.57 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	13.17	3000	J

0773

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-26 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.17

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03646.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 22.32 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4300	U
1634044	Methyl-tert-Butyl ether	990	U
108203	Di-isopropyl ether	660	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	330	U
75-01-4	Vinyl Chloride	990	U
74-83-9	Bromomethane	660	U
75-00-3	Chloroethane	990	U
75-69-4	Trichlorofluoromethane	660	U
75-35-4	1,1-Dichloroethene	330	U
67-64-1	Acetone	660	U
75-15-0	Carbon Disulfide	330	U
75-09-2	Methylene Chloride	660	U
156-60-5	trans-1,2-Dichloroethene	660	U
75-35-3	1,1-Dichloroethane	330	U
108-05-4	Vinyl Acetate	990	U
78-93-3	2-Butanone	990	U
	cis-1,2-Dichloroethene	330	U
67-66-3	Chloroform	330	U
75-55-6	1,1,1-Trichloroethane	330	U
56-23-5	Carbon Tetrachloride	660	U
71-43-2	Benzene	330	U
107-06-2	1,2-Dichloroethane	660	U
79-01-6	Trichloroethene	330	U
78-87-5	1,2-Dichloropropane	330	U
75-27-4	Bromodichloromethane	330	U
110-75-8	2-Chloroethyl vinyl ether	660	U
10061-01-5	cis-1,3-Dichloropropene	330	U
108-10-1	4-Methyl-2-Pentanone	660	U
108-88-3	Toluene	330	U
10061-02-6	trans-1,3-Dichloropropene	660	U
79-00-5	1,1,2-Trichloroethane	660	U
127-18-4	Tetrachloroethene	330	U
591-78-6	2-Hexanone	660	U
126-48-1	Dibromochloromethane	660	U
108-90-7	Chlorobenzene	330	U
100-41-4	Ethylbenzene	660	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-26 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.17

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03646.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 22.32 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4300	U
1634044	Methyl-tert-Butyl ether	990	U
108203	Di-isopropyl ether	660	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	330	U
75-01-4	Vinyl Chloride	990	U
74-83-9	Bromomethane	660	U
75-00-3	Chloroethane	990	U
75-69-4	Trichlorofluoromethane	660	U
75-35-4	1,1-Dichloroethene	330	U
67-64-1	Acetone	660	U
75-15-0	Carbon Disulfide	330	U
75-09-2	Methylene Chloride	660	U
156-60-5	trans-1,2-Dichloroethene	660	U
75-35-3	1,1-Dichloroethane	330	U
108-05-4	Vinyl Acetate	990	U
78-93-3	2-Butanone	990	U
	cis-1,2-Dichloroethene	330	U
67-66-3	Chloroform	330	U
75-55-6	1,1,1-Trichloroethane	330	U
56-23-5	Carbon Tetrachloride	660	U
71-43-2	Benzene	330	U
107-06-2	1,2-Dichloroethane	660	U
79-01-6	Trichloroethene	330	U
78-87-5	1,2-Dichloropropane	330	U
75-27-4	Bromodichloromethane	330	U
110-75-8	2-Chloroethyl vinyl ether	660	U
10061-01-5	cis-1,3-Dichloropropene	330	U
108-10-1	4-Methyl-2-Pentanone	660	U
108-88-3	Toluene	330	U
10061-02-6	trans-1,3-Dichloropropene	660	U
79-00-5	1,1,2-Trichloroethane	660	U
127-18-4	Tetrachloroethene	330	U
591-78-6	2-Hexanone	660	U
126-48-1	Dibromochloromethane	660	U
108-90-7	Chlorobenzene	330	U
100-41-4	Ethylbenzene	660	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-26 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.17

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03646.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 22.32 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-26 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3485 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3485.17

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03646.D

Level: (low/med) MED Date Received: 04/15/45

% Moisture: not dec. 22.32 Date Analyzed: 04/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	990	U
1330-20-7	o-Xylene	660	U
100-42-5	Styrene	660	U
75-25-2	Bromoform	660	U
79-34-5	1,1,2,2-Tetrachloroethane	660	U

0777

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-27 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03655.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 21.65 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4200	U
1634044	Methyl-tert-Butyl ether	960	U
108203	Di-isopropyl ether	640	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	320	U
75-01-4	Vinyl Chloride	960	U
74-83-9	Bromomethane	640	U
75-00-3	Chloroethane	960	U
75-69-4	Trichlorofluoromethane	640	U
75-35-4	1,1-Dichloroethene	320	U
67-64-1	Acetone	640	U
75-15-0	Carbon Disulfide	320	U
75-09-2	Methylene Chloride	640	U
156-60-5	trans-1,2-Dichloroethene	640	U
75-35-3	1,1-Dichloroethane	320	U
108-05-4	Vinyl Acetate	960	U
78-93-3	2-Butanone	960	U
	cis-1,2-Dichloroethene	320	U
67-66-3	Chloroform	320	U
75-55-6	1,1,1-Trichloroethane	320	U
56-23-5	Carbon Tetrachloride	640	U
71-43-2	Benzene	320	U
107-06-2	1,2-Dichloroethane	640	U
79-01-6	Trichloroethene	320	U
78-87-5	1,2-Dichloropropane	320	U
75-27-4	Bromodichloromethane	320	U
110-75-8	2-Chloroethyl vinyl ether	640	U
10061-01-5	cis-1,3-Dichloropropene	320	U
108-10-1	4-Methyl-2-Pentanone	640	U
108-88-3	Toluene	320	U
10061-02-6	trans-1,3-Dichloropropene	640	U
79-00-5	1,1,2-Trichloroethane	640	U
127-18-4	Tetrachloroethene	320	U
591-78-6	2-Hexanone	640	U
126-48-1	Dibromochloromethane	640	U
108-90-7	Chlorobenzene	320	U
100-41-4	Ethylbenzene	640	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-27 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03655.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 21.65 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	960	U
1330-20-7	o-Xylene	640	U
100-42-5	Styrene	640	U
75-25-2	Bromoform	640	U
79-34-5	1,1,2,2-Tetrachloroethane	640	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-27 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03655.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 21.65 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0780

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-28 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.09

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03657.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 12.58 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	850	U
108203	Di-isopropyl ether	570	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	850	U
74-83-9	Bromomethane	570	U
75-00-3	Chloroethane	850	U
75-69-4	Trichlorofluoromethane	570	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	570	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	570	U
156-60-5	trans-1,2-Dichloroethene	570	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	850	U
78-93-3	2-Butanone	850	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	570	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	570	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	570	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	570	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	570	U
79-00-5	1,1,2-Trichloroethane	570	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	570	U
126-48-1	Dibromochloromethane	570	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	570	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-28 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.09

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03657.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 12.58 Date Analyzed: 04/28/98

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	850	U
1330-20-7	o-Xylene	570	U
100-42-5	Styrene	570	U
75-25-2	Bromoform	570	U
79-34-5	1,1,2,2-Tetrachloroethane	570	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-28 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.09

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03657.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 12.58 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	11.90	2200	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-29 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.13

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03659.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 4.28 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

0784

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-29 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.13

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03659.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 4.28 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-29 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.13

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03659.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 4.28 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0786

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-30 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.17

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03661.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 6.8 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	320	
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-30 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.17

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03661.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 6.8 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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

0788

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-30 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3498 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3498.17

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03661.D

Level: (low/med) MED Date Received: 04/20/98

% Moisture: not dec. 6.8 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-31 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03664.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 10.21 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	820	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	820	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	820	U
78-93-3	2-Butanone	820	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

0790

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-31 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03664.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 10.21 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	820	U
1330-20-7	o-Xylene	540	U
100-42-5	Styrene	540	U
75-25-2	Bromoform	540	U
79-34-5	1,1,2,2-Tetrachloroethane	540	U

0791

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-31 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03664.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 10.21 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-32 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.08

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03666.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 33.75 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2500	U
107131	Acrylonitrile	2500	U
75650	tert-Butyl alcohol	4700	U
1634044	Methyl-tert-Butyl ether	1100	U
108203	Di-isopropyl ether	730	U
	Dichlorodifluoromethane	1500	U
74-87-3	Chloromethane	360	U
75-01-4	Vinyl Chloride	1100	U
74-83-9	Bromomethane	730	U
75-00-3	Chloroethane	1100	U
75-69-4	Trichlorofluoromethane	730	U
75-35-4	1,1-Dichloroethene	360	U
67-64-1	Acetone	730	U
75-15-0	Carbon Disulfide	360	U
75-09-2	Methylene Chloride	730	U
156-60-5	trans-1,2-Dichloroethene	730	U
75-35-3	1,1-Dichloroethane	360	U
108-05-4	Vinyl Acetate	1100	U
78-93-3	2-Butanone	1100	U
	cis-1,2-Dichloroethene	360	U
67-66-3	Chloroform	360	U
75-55-6	1,1,1-Trichloroethane	360	U
56-23-5	Carbon Tetrachloride	730	U
71-43-2	Benzene	360	U
107-06-2	1,2-Dichloroethane	730	U
79-01-6	Trichloroethene	360	U
78-87-5	1,2-Dichloropropane	360	U
75-27-4	Bromodichloromethane	360	U
110-75-8	2-Chloroethyl vinyl ether	730	U
10061-01-5	cis-1,3-Dichloropropene	360	U
108-10-1	4-Methyl-2-Pentanone	730	U
108-88-3	Toluene	360	U
10061-02-6	trans-1,3-Dichloropropene	730	U
79-00-5	1,1,2-Trichloroethane	730	U
127-18-4	Tetrachloroethene	360	U
591-78-6	2-Hexanone	730	U
126-48-1	Dibromochloromethane	730	U
108-90-7	Chlorobenzene	360	U
100-41-4	Ethylbenzene	730	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-32 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.08

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03666.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 33.75 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

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

0794

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-32 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.08

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03666.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 33.75 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0795

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-33 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.12

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03668.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 22.57 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4200	U
1634044	Methyl-tert-Butyl ether	960	U
108203	Di-isopropyl ether	640	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	320	U
75-01-4	Vinyl Chloride	960	U
74-83-9	Bromomethane	640	U
75-00-3	Chloroethane	960	U
75-69-4	Trichlorofluoromethane	640	U
75-35-4	1,1-Dichloroethene	320	U
67-64-1	Acetone	640	U
75-15-0	Carbon Disulfide	320	U
75-09-2	Methylene Chloride	640	U
156-60-5	trans-1,2-Dichloroethene	640	U
75-35-3	1,1-Dichloroethane	320	U
108-05-4	Vinyl Acetate	960	U
78-93-3	2-Butanone	960	U
	cis-1,2-Dichloroethene	320	U
67-66-3	Chloroform	320	U
75-55-6	1,1,1-Trichloroethane	320	U
56-23-5	Carbon Tetrachloride	640	U
71-43-2	Benzene	320	U
107-06-2	1,2-Dichloroethane	640	U
79-01-6	Trichloroethene	320	U
78-87-5	1,2-Dichloropropane	320	U
75-27-4	Bromodichloromethane	320	U
110-75-8	2-Chloroethyl vinyl ether	640	U
10061-01-5	cis-1,3-Dichloropropene	320	U
108-10-1	4-Methyl-2-Pentanone	640	U
108-88-3	Toluene	320	U
10061-02-6	trans-1,3-Dichloropropene	640	U
79-00-5	1,1,2-Trichloroethane	640	U
127-18-4	Tetrachloroethene	320	U
591-78-6	2-Hexanone	640	U
126-48-1	Dibromochloromethane	640	U
108-90-7	Chlorobenzene	320	U
100-41-4	Ethylbenzene	640	U

0796

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-33 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.12

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03668.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 22.57 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	960	U
1330-20-7	o-Xylene	640	U
100-42-5	Styrene	640	U
75-25-2	Bromoform	640	U
79-34-5	1,1,2,2-Tetrachloroethane	640	U

0797

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-33 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.12

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03668.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 22.57 Date Analyzed: 04/28/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0798

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-34 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.16

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03675.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 34.36 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2600	U
107131	Acrylonitrile	2600	U
75650	tert-Butyl alcohol	4800	U
1634044	Methyl-tert-Butyl ether	1100	U
108203	Di-isopropyl ether	740	U
	Dichlorodifluoromethane	1500	U
74-87-3	Chloromethane	370	U
75-01-4	Vinyl Chloride	1100	U
74-83-9	Bromomethane	740	U
75-00-3	Chloroethane	1100	U
75-69-4	Trichlorofluoromethane	740	U
75-35-4	1,1-Dichloroethene	370	U
67-64-1	Acetone	740	U
75-15-0	Carbon Disulfide	370	U
75-09-2	Methylene Chloride	740	U
156-60-5	trans-1,2-Dichloroethene	740	U
75-35-3	1,1-Dichloroethane	370	U
108-05-4	Vinyl Acetate	1100	U
78-93-3	2-Butanone	1100	U
	cis-1,2-Dichloroethene	370	U
67-66-3	Chloroform	370	U
75-55-6	1,1,1-Trichloroethane	370	U
56-23-5	Carbon Tetrachloride	740	U
71-43-2	Benzene	370	U
107-06-2	1,2-Dichloroethane	740	U
79-01-6	Trichloroethene	370	U
78-87-5	1,2-Dichloropropane	370	U
75-27-4	Bromodichloromethane	370	U
110-75-8	2-Chloroethyl vinyl ether	740	U
10061-01-5	cis-1,3-Dichloropropene	370	U
108-10-1	4-Methyl-2-Pentanone	740	U
108-88-3	Toluene	370	U
10061-02-6	trans-1,3-Dichloropropene	740	U
79-00-5	1,1,2-Trichloroethane	740	U
127-18-4	Tetrachloroethene	370	U
591-78-6	2-Hexanone	740	U
126-48-1	Dibromochloromethane	740	U
108-90-7	Chlorobenzene	370	U
100-41-4	Ethylbenzene	740	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-34 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.16

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03675.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 34.36 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1100	U
1330-20-7	o-Xylene	740	U
100-42-5	Styrene	740	U
75-25-2	Bromoform	740	U
79-34-5	1,1,2,2-Tetrachloroethane	740	U

0800

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-34 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.16

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03675.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 34.36 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0801

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-35 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.20

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03677.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 23.11 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4200	U
1634044	Methyl-tert-Butyl ether	960	U
108203	Di-isopropyl ether	640	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	320	U
75-01-4	Vinyl Chloride	960	U
74-83-9	Bromomethane	640	U
75-00-3	Chloroethane	960	U
75-69-4	Trichlorofluoromethane	640	U
75-35-4	1,1-Dichloroethene	320	U
67-64-1	Acetone	640	U
75-15-0	Carbon Disulfide	320	U
75-09-2	Methylene Chloride	640	U
156-60-5	trans-1,2-Dichloroethene	640	U
75-35-3	1,1-Dichloroethane	320	U
108-05-4	Vinyl Acetate	960	U
78-93-3	2-Butanone	960	U
	cis-1,2-Dichloroethene	320	U
67-66-3	Chloroform	320	U
75-55-6	1,1,1-Trichloroethane	320	U
56-23-5	Carbon Tetrachloride	640	U
71-43-2	Benzene	320	U
107-06-2	1,2-Dichloroethane	640	U
79-01-6	Trichloroethene	320	U
78-87-5	1,2-Dichloropropane	320	U
75-27-4	Bromodichloromethane	320	U
110-75-8	2-Chloroethyl vinyl ether	640	U
10061-01-5	cis-1,3-Dichloropropene	320	U
108-10-1	4-Methyl-2-Pentanone	640	U
108-88-3	Toluene	320	U
10061-02-6	trans-1,3-Dichloropropene	640	U
79-00-5	1,1,2-Trichloroethane	640	U
127-18-4	Tetrachloroethene	320	U
591-78-6	2-Hexanone	640	U
126-48-1	Dibromochloromethane	640	U
108-90-7	Chlorobenzene	320	U
100-41-4	Ethylbenzene	640	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-35 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.20

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03677.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 23.11 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	960	U
1330-20-7	o-Xylene	640	U
100-42-5	Styrene	640	U
75-25-2	Bromoform	640	U
79-34-5	1,1,2,2-Tetrachloroethane	640	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-35 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3500 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3500.20

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03677.D

Level: (low/med) MED Date Received: 04/21/98

% Moisture: not dec. 23.11 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0804

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-36 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03680.D

Level: (low/med) MED Date Received: 04/22/98

% Moisture: not dec. 5.72 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	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-36 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03680.D

Level: (low/med) MED Date Received: 04/22/98

% Moisture: not dec. 5.72 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	790	U
1330-20-7	o-Xylene	530	U
100-42-5	Styrene	530	U
75-25-2	Bromoform	530	U
79-34-5	1,1,2,2-Tetrachloroethane	530	U
541-73-1	1,3-Dichlorobenzene	790	U
106-46-7	1,4-Dichlorobenzene	790	U
95-50-1	1,2-Dichlorobenzene	790	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-36 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03680.D

Level: (low/med) MED Date Received: 04/22/98

% Moisture: not dec. 5.72 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0807

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-37 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.08

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03682.D

Level: (low/med) MED Date Received: 04/22/98

% Moisture: not dec. 7.77 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	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

0808

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-37 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.08

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03682.D

Level: (low/med) MED Date Received: 04/22/98

% Moisture: not dec. 7.77 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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
541-73-1	1,3-Dichlorobenzene	830	U
106-46-7	1,4-Dichlorobenzene	830	U
95-50-1	1,2-Dichlorobenzene	830	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-37 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.08

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03682.D

Level: (low/med) MED Date Received: 04/22/98

% Moisture: not dec. 7.77 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0810

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-38 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03684.D

Level: (low/med) MED Date Received: 04/22/98

% Moisture: not dec. 0 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

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.

B-38 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03684.D

Level: (low/med) MED Date Received: 04/22/98

% Moisture: not dec. 0 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

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
541-73-1	1,3-Dichlorobenzene	750	U
106-46-7	1,4-Dichlorobenzene	750	U
95-50-1	1,2-Dichlorobenzene	750	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-38 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03684.D

Level: (low/med) MED Date Received: 04/22/98

% Moisture: not dec. 0 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-39 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.16

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03686.D

Level: (low/med) MED Date Received: 04/22/98

% Moisture: not dec. 23.67 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4100	U
1634044	Methyl-tert-Butyl ether	940	U
108203	Di-isopropyl ether	630	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	940	U
74-83-9	Bromomethane	630	U
75-00-3	Chloroethane	940	U
75-69-4	Trichlorofluoromethane	630	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	630	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	630	U
156-60-5	trans-1,2-Dichloroethene	630	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	940	U
78-93-3	2-Butanone	940	U
	cis-1,2-Dichloroethene	310	U
67-66-3	Chloroform	310	U
75-55-6	1,1,1-Trichloroethane	310	U
56-23-5	Carbon Tetrachloride	630	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	630	U
79-01-6	Trichloroethene	310	U
78-87-5	1,2-Dichloropropane	310	U
75-27-4	Bromodichloromethane	310	U
110-75-8	2-Chloroethyl vinyl ether	630	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	630	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	630	U
79-00-5	1,1,2-Trichloroethane	630	U
127-18-4	Tetrachloroethene	1100	
591-78-6	2-Hexanone	630	U
126-48-1	Dibromochloromethane	630	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	630	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-39 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.16

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03686.D

Level: (low/med) MED Date Received: 04/22/98

% Moisture: not dec. 23.67 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	940	U
1330-20-7	o-Xylene	630	U
100-42-5	Styrene	630	U
75-25-2	Bromoform	630	U
79-34-5	1,1,2,2-Tetrachloroethane	630	U
541-73-1	1,3-Dichlorobenzene	940	U
106-46-7	1,4-Dichlorobenzene	940	U
95-50-1	1,2-Dichlorobenzene	940	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-39 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.16

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03686.D

Level: (low/med) MED Date Received: 04/22/98

% Moisture: not dec. 23.67 Date Analyzed: 04/29/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-40 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.20

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03694.D

Level: (low/med) MED Date Received: 04/22/98

% Moisture: not dec. 23.44 Date Analyzed: 04/30/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2400	U
107131	Acrylonitrile	2400	U
75650	tert-Butyl alcohol	4400	U
1634044	Methyl-tert-Butyl ether	1000	U
108203	Di-isopropyl ether	680	U
	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	340	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	680	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	680	U
75-35-4	1,1-Dichloroethene	340	U
67-64-1	Acetone	680	U
75-15-0	Carbon Disulfide	340	U
75-09-2	Methylene Chloride	680	U
156-60-5	trans-1,2-Dichloroethene	680	U
75-35-3	1,1-Dichloroethane	340	U
108-05-4	Vinyl Acetate	1000	U
78-93-3	2-Butanone	1000	U
	cis-1,2-Dichloroethene	340	U
67-66-3	Chloroform	340	U
75-55-6	1,1,1-Trichloroethane	340	U
56-23-5	Carbon Tetrachloride	680	U
71-43-2	Benzene	340	U
107-06-2	1,2-Dichloroethane	680	U
79-01-6	Trichloroethene	340	U
78-87-5	1,2-Dichloropropane	340	U
75-27-4	Bromodichloromethane	340	U
110-75-8	2-Chloroethyl vinyl ether	680	U
10061-01-5	cis-1,3-Dichloropropene	340	U
108-10-1	4-Methyl-2-Pentanone	680	U
108-88-3	Toluene	340	U
10061-02-6	trans-1,3-Dichloropropene	680	U
79-00-5	1,1,2-Trichloroethane	680	U
127-18-4	Tetrachloroethene	1000	
591-78-6	2-Hexanone	680	U
126-48-1	Dibromochloromethane	680	U
108-90-7	Chlorobenzene	340	U
100-41-4	Ethylbenzene	680	U

0817

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-40 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.20

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03694.D

Level: (low/med) MED Date Received: 04/22/98

% Moisture: not dec. 23.44 Date Analyzed: 04/30/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1000	U
1330-20-7	o-Xylene	680	U
100-42-5	Styrene	680	U
75-25-2	Bromoform	680	U
79-34-5	1,1,2,2-Tetrachloroethane	680	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-40 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3501 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3501.20

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03694.D

Level: (low/med) MED Date Received: 04/22/98

% Moisture: not dec. 23.44 Date Analyzed: 04/30/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-41 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.04

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03716.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 29.3 Date Analyzed: 05/05/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2600	U
107131	Acrylonitrile	2600	U
75650	tert-Butyl alcohol	4800	U
1634044	Methyl-tert-Butyl ether	1100	U
108203	Di-isopropyl ether	740	U
	Dichlorodifluoromethane	1500	U
74-87-3	Chloromethane	370	U
75-01-4	Vinyl Chloride	1100	U
74-83-9	Bromomethane	740	U
75-00-3	Chloroethane	1100	U
75-69-4	Trichlorofluoromethane	740	U
75-35-4	1,1-Dichloroethene	370	U
67-64-1	Acetone	740	U
75-15-0	Carbon Disulfide	370	U
75-09-2	Methylene Chloride	740	U
156-60-5	trans-1,2-Dichloroethene	740	U
75-35-3	1,1-Dichloroethane	370	U
108-05-4	Vinyl Acetate	1100	U
78-93-3	2-Butanone	1100	U
	cis-1,2-Dichloroethene	370	U
67-66-3	Chloroform	370	U
75-55-6	1,1,1-Trichloroethane	370	U
56-23-5	Carbon Tetrachloride	740	U
71-43-2	Benzene	370	U
107-06-2	1,2-Dichloroethane	740	U
79-01-6	Trichloroethene	370	U
78-87-5	1,2-Dichloropropane	370	U
75-27-4	Bromodichloromethane	370	U
110-75-8	2-Chloroethyl vinyl ether	740	U
10061-01-5	cis-1,3-Dichloropropene	370	U
108-10-1	4-Methyl-2-Pentanone	740	U
108-88-3	Toluene	370	U
10061-02-6	trans-1,3-Dichloropropene	740	U
79-00-5	1,1,2-Trichloroethane	740	U
127-18-4	Tetrachloroethene	370	U
591-78-6	2-Hexanone	740	U
126-48-1	Dibromochloromethane	740	U
108-90-7	Chlorobenzene	370	U
100-41-4	Ethylbenzene	740	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-41 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.04

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03716.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 29.3 Date Analyzed: 05/05/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1100	U
1330-20-7	o-Xylene	740	U
100-42-5	Styrene	740	U
75-25-2	Bromoform	740	U
79-34-5	1,1,2,2-Tetrachloroethane	740	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-41 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.04

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03716.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 29.3 Date Analyzed: 05/05/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-42 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.08

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03718.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 29.8 Date Analyzed: 05/05/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2600	U
107131	Acrylonitrile	2600	U
75650	tert-Butyl alcohol	4800	U
1634044	Methyl-tert-Butyl ether	1100	U
108203	Di-isopropyl ether	740	U
	Dichlorodifluoromethane	1500	U
74-87-3	Chloromethane	370	U
75-01-4	Vinyl Chloride	1100	U
74-83-9	Bromomethane	740	U
75-00-3	Chloroethane	1100	U
75-69-4	Trichlorofluoromethane	740	U
75-35-4	1,1-Dichloroethene	370	U
67-64-1	Acetone	740	U
75-15-0	Carbon Disulfide	370	U
75-09-2	Methylene Chloride	740	U
156-60-5	trans-1,2-Dichloroethene	740	U
75-35-3	1,1-Dichloroethane	370	U
108-05-4	Vinyl Acetate	1100	U
78-93-3	2-Butanone	1100	U
	cis-1,2-Dichloroethene	370	U
67-66-3	Chloroform	370	U
75-55-6	1,1,1-Trichloroethane	370	U
56-23-5	Carbon Tetrachloride	740	U
71-43-2	Benzene	370	U
107-06-2	1,2-Dichloroethane	740	U
79-01-6	Trichloroethene	370	U
78-87-5	1,2-Dichloropropane	370	U
75-27-4	Bromodichloromethane	370	U
110-75-8	2-Chloroethyl vinyl ether	740	U
10061-01-5	cis-1,3-Dichloropropene	370	U
108-10-1	4-Methyl-2-Pentanone	740	U
108-88-3	Toluene	370	U
10061-02-6	trans-1,3-Dichloropropene	740	U
79-00-5	1,1,2-Trichloroethane	740	U
127-18-4	Tetrachloroethene	370	U
591-78-6	2-Hexanone	740	U
126-48-1	Dibromochloromethane	740	U
108-90-7	Chlorobenzene	370	U
100-41-4	Ethylbenzene	740	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-42 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.08

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03718.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 29.8 Date Analyzed: 05/05/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1100	U
1330-20-7	o-Xylene	740	U
100-42-5	Styrene	740	U
75-25-2	Bromoform	740	U
79-34-5	1,1,2,2-Tetrachloroethane	740	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-42 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3539 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3539.08

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03718.D

Level: (low/med) MED Date Received: 05/01/98

% Moisture: not dec. 29.8 Date Analyzed: 05/05/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-43 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.04

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03721.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 29 Date Analyzed: 05/05/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2500	U
107131	Acrylonitrile	2500	U
75650	tert-Butyl alcohol	4700	U
1634044	Methyl-tert-Butyl ether	1100	U
108203	Di-isopropyl ether	720	U
	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	360	U
75-01-4	Vinyl Chloride	1100	U
74-83-9	Bromomethane	720	U
75-00-3	Chloroethane	1100	U
75-69-4	Trichlorofluoromethane	720	U
75-35-4	1,1-Dichloroethene	360	U
67-64-1	Acetone	720	U
75-15-0	Carbon Disulfide	360	U
75-09-2	Methylene Chloride	720	U
156-60-5	trans-1,2-Dichloroethene	720	U
75-35-3	1,1-Dichloroethane	360	U
108-05-4	Vinyl Acetate	1100	U
78-93-3	2-Butanone	1100	U
	cis-1,2-Dichloroethene	360	U
67-66-3	Chloroform	360	U
75-55-6	1,1,1-Trichloroethane	360	U
56-23-5	Carbon Tetrachloride	720	U
71-43-2	Benzene	360	U
107-06-2	1,2-Dichloroethane	720	U
79-01-6	Trichloroethene	360	U
78-87-5	1,2-Dichloropropane	360	U
75-27-4	Bromodichloromethane	360	U
110-75-8	2-Chloroethyl vinyl ether	720	U
10061-01-5	cis-1,3-Dichloropropene	360	U
108-10-1	4-Methyl-2-Pentanone	720	U
108-88-3	Toluene	360	U
10061-02-6	trans-1,3-Dichloropropene	720	U
79-00-5	1,1,2-Trichloroethane	720	U
127-18-4	Tetrachloroethene	360	U
591-78-6	2-Hexanone	720	U
126-48-1	Dibromochloromethane	720	U
108-90-7	Chlorobenzene	360	U
100-41-4	Ethylbenzene	720	U

0826

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-43 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.04

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03721.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 29 Date Analyzed: 05/05/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1100	U
1330-20-7	o-Xylene	720	U
100-42-5	Styrene	720	U
75-25-2	Bromoform	720	U
79-34-5	1,1,2,2-Tetrachloroethane	720	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-43 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.04

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03721.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 29 Date Analyzed: 05/05/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-44 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.08

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03723.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 18.6 Date Analyzed: 05/05/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4200	U
1634044	Methyl-tert-Butyl ether	970	U
108203	Di-isopropyl ether	650	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	320	U
75-01-4	Vinyl Chloride	970	U
74-83-9	Bromomethane	650	U
75-00-3	Chloroethane	970	U
75-69-4	Trichlorofluoromethane	650	U
75-35-4	1,1-Dichloroethene	320	U
67-64-1	Acetone	650	U
75-15-0	Carbon Disulfide	320	U
75-09-2	Methylene Chloride	650	U
156-60-5	trans-1,2-Dichloroethene	650	U
75-35-3	1,1-Dichloroethane	320	U
108-05-4	Vinyl Acetate	970	U
78-93-3	2-Butanone	970	U
	cis-1,2-Dichloroethene	320	U
67-66-3	Chloroform	320	U
75-55-6	1,1,1-Trichloroethane	320	U
56-23-5	Carbon Tetrachloride	650	U
71-43-2	Benzene	320	U
107-06-2	1,2-Dichloroethane	650	U
79-01-6	Trichloroethene	320	U
78-87-5	1,2-Dichloropropane	320	U
75-27-4	Bromodichloromethane	320	U
110-75-8	2-Chloroethyl vinyl ether	650	U
10061-01-5	cis-1,3-Dichloropropene	320	U
108-10-1	4-Methyl-2-Pentanone	650	U
108-88-3	Toluene	320	U
10061-02-6	trans-1,3-Dichloropropene	650	U
79-00-5	1,1,2-Trichloroethane	650	U
127-18-4	Tetrachloroethene	320	U
591-78-6	2-Hexanone	650	U
126-48-1	Dibromochloromethane	650	U
108-90-7	Chlorobenzene	320	U
100-41-4	Ethylbenzene	650	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-44 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.08

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03723.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 18.6 Date Analyzed: 05/05/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	970	U
1330-20-7	o-Xylene	650	U
100-42-5	Styrene	650	U
75-25-2	Bromoform	650	U
79-34-5	1,1,2,2-Tetrachloroethane	650	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-44 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.08

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03723.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 18.6 Date Analyzed: 05/05/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-45 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03733.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 41.5 Date Analyzed: 05/06/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	3000	U
107131	Acrylonitrile	3000	U
75650	tert-Butyl alcohol	5600	U
1634044	Methyl-tert-Butyl ether	1300	U
108203	Di-isopropyl ether	850	U
	Dichlorodifluoromethane	1700	U
74-87-3	Chloromethane	430	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	850	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	850	U
75-35-4	1,1-Dichloroethene	430	U
67-64-1	Acetone	850	U
75-15-0	Carbon Disulfide	430	U
75-09-2	Methylene Chloride	850	U
156-60-5	trans-1,2-Dichloroethene	850	U
75-35-3	1,1-Dichloroethane	430	U
108-05-4	Vinyl Acetate	1300	U
78-93-3	2-Butanone	1300	U
	cis-1,2-Dichloroethene	430	U
67-66-3	Chloroform	430	U
75-55-6	1,1,1-Trichloroethane	430	U
56-23-5	Carbon Tetrachloride	850	U
71-43-2	Benzene	430	U
107-06-2	1,2-Dichloroethane	850	U
79-01-6	Trichloroethene	430	U
78-87-5	1,2-Dichloropropane	430	U
75-27-4	Bromodichloromethane	430	U
110-75-8	2-Chloroethyl vinyl ether	850	U
10061-01-5	cis-1,3-Dichloropropene	430	U
108-10-1	4-Methyl-2-Pentanone	850	U
108-88-3	Toluene	430	U
10061-02-6	trans-1,3-Dichloropropene	850	U
79-00-5	1,1,2-Trichloroethane	850	U
127-18-4	Tetrachloroethene	430	U
591-78-6	2-Hexanone	850	U
126-48-1	Dibromochloromethane	850	U
108-90-7	Chlorobenzene	430	U
100-41-4	Ethylbenzene	850	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-45 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03733.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 41.5 Date Analyzed: 05/06/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1300	U
1330-20-7	o-Xylene	850	U
100-42-5	Styrene	850	U
75-25-2	Bromoform	850	U
79-34-5	1,1,2,2-Tetrachloroethane	850	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-45 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03733.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 41.5 Date Analyzed: 05/06/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-46 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03735.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 6.5 Date Analyzed: 05/06/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
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-46 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03735.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 6.5 Date Analyzed: 05/06/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-46 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03735.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 6.5 Date Analyzed: 05/06/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.20

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03737.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 28.6 Date Analyzed: 05/06/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2500	U
107131	Acrylonitrile	2500	U
75650	tert-Butyl alcohol	4600	U
1634044	Methyl-tert-Butyl ether	1100	U
108203	Di-isopropyl ether	710	U
	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	350	U
75-01-4	Vinyl Chloride	1100	U
74-83-9	Bromomethane	710	U
75-00-3	Chloroethane	1100	U
75-69-4	Trichlorofluoromethane	710	U
75-35-4	1,1-Dichloroethene	350	U
67-64-1	Acetone	710	U
75-15-0	Carbon Disulfide	350	U
75-09-2	Methylene Chloride	710	U
156-60-5	trans-1,2-Dichloroethene	710	U
75-35-3	1,1-Dichloroethane	350	U
108-05-4	Vinyl Acetate	1100	U
78-93-3	2-Butanone	1100	U
	cis-1,2-Dichloroethene	350	U
67-66-3	Chloroform	350	U
75-55-6	1,1,1-Trichloroethane	350	U
56-23-5	Carbon Tetrachloride	710	U
71-43-2	Benzene	350	U
107-06-2	1,2-Dichloroethane	710	U
79-01-6	Trichloroethene	350	U
78-87-5	1,2-Dichloropropane	350	U
75-27-4	Bromodichloromethane	350	U
110-75-8	2-Chloroethyl vinyl ether	710	U
10061-01-5	cis-1,3-Dichloropropene	350	U
108-10-1	4-Methyl-2-Pentanone	710	U
108-88-3	Toluene	350	U
10061-02-6	trans-1,3-Dichloropropene	710	U
79-00-5	1,1,2-Trichloroethane	710	U
127-18-4	Tetrachloroethene	350	U
591-78-6	2-Hexanone	710	U
126-48-1	Dibromochloromethane	710	U
108-90-7	Chlorobenzene	350	U
100-41-4	Ethylbenzene	710	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.20

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03737.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 28.6 Date Analyzed: 05/06/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1100	U
1330-20-7	o-Xylene	710	U
100-42-5	Styrene	710	U
75-25-2	Bromoform	710	U
79-34-5	1,1,2,2-Tetrachloroethane	710	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Field Dup 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3543 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3543.20

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03737.D

Level: (low/med) MED Date Received: 05/04/98

% Moisture: not dec. 28.6 Date Analyzed: 05/06/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-48 38"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.08

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03758.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 5.3 Date Analyzed: 05/15/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-48 38"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.08

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03758.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 5.3 Date Analyzed: 05/15/98

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

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

CONCENTRATION UNITS:

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-48 38"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.08

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03758.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 5.3 Date Analyzed: 05/15/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000091-57-6	Naphthalene, 2-methyl-	31.87	10000	JN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-49 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.12

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03760.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 5.5 Date Analyzed: 05/15/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	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

0844

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-49 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.12

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03760.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 5.5 Date Analyzed: 05/15/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-49 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.12

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03760.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 5.5 Date Analyzed: 05/15/98

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

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

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

Number TICs found: 3

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	11.92	8700	J
2. 001120-21-4	Undecane	25.58	5900	JN
3.	unknown hydrocarbon	30.46	3600	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-50 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.16

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03777.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 5.9 Date Analyzed: 05/18/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-50 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.16

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03777.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 5.9 Date Analyzed: 05/18/98

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

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

CONCENTRATION UNITS:

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-50 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.16

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03777.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 5.9 Date Analyzed: 05/18/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0849

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-51 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.20

Sample wt/vol: 9.2 (g/ml) G Lab File ID: V03779.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 10.3 Date Analyzed: 05/18/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	910	U
108203	Di-isopropyl ether	610	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	910	U
74-83-9	Bromomethane	610	U
75-00-3	Chloroethane	910	U
75-69-4	Trichlorofluoromethane	610	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	610	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	610	U
156-60-5	trans-1,2-Dichloroethene	610	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	910	U
78-93-3	2-Butanone	910	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	610	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	610	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	610	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	610	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	610	U
79-00-5	1,1,2-Trichloroethane	610	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	610	U
126-48-1	Dibromochloromethane	610	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	610	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-51 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.20

Sample wt/vol: 9.2 (g/ml) G Lab File ID: V03779.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 10.3 Date Analyzed: 05/18/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-51 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3547 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3547.20

Sample wt/vol: 9.2 (g/ml) G Lab File ID: V03779.D

Level: (low/med) MED Date Received: 05/05/98

% Moisture: not dec. 10.3 Date Analyzed: 05/18/98

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-52 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.05

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03782.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 6.5 Date Analyzed: 05/18/98

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

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

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

CAS NO.	COMPOUND		Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-52 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.05

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03782.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 6.5 Date Analyzed: 05/18/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-52 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.05

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03782.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 6.5 Date Analyzed: 05/18/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-53 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.09

Sample wt/vol: 9.1 (g/ml) G Lab File ID: V03795.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 6.1 Date Analyzed: 05/19/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
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-53 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.09

Sample wt/vol: 9.1 (g/ml) G Lab File ID: V03795.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 6.1 Date Analyzed: 05/19/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-53 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.09

Sample wt/vol: 9.1 (g/ml) G Lab File ID: V03795.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 6.1 Date Analyzed: 05/19/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0858

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-54 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.13

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03797.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 7.4 Date Analyzed: 05/19/98

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

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

CONCENTRATION UNITS:

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

0859

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-54 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.13

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03797.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 7.4 Date Analyzed: 05/19/98

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

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

CONCENTRATION UNITS:

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-54 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.13

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03797.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 7.4 Date Analyzed: 05/19/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0861

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-55 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.17

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03799.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 21.6 Date Analyzed: 05/20/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4300	U
1634044	Methyl-tert-Butyl ether	1000	U
108203	Di-isopropyl ether	670	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	330	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	670	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	670	U
75-35-4	1,1-Dichloroethene	330	U
67-64-1	Acetone	670	U
75-15-0	Carbon Disulfide	330	U
75-09-2	Methylene Chloride	670	U
156-60-5	trans-1,2-Dichloroethene	670	U
75-35-3	1,1-Dichloroethane	330	U
108-05-4	Vinyl Acetate	1000	U
78-93-3	2-Butanone	1000	U
	cis-1,2-Dichloroethene	330	U
67-66-3	Chloroform	330	U
75-55-6	1,1,1-Trichloroethane	330	U
56-23-5	Carbon Tetrachloride	670	U
71-43-2	Benzene	330	U
107-06-2	1,2-Dichloroethane	670	U
79-01-6	Trichloroethene	330	U
78-87-5	1,2-Dichloropropane	330	U
75-27-4	Bromodichloromethane	330	U
110-75-8	2-Chloroethyl vinyl ether	670	U
10061-01-5	cis-1,3-Dichloropropene	330	U
108-10-1	4-Methyl-2-Pentanone	670	U
108-88-3	Toluene	330	U
10061-02-6	trans-1,3-Dichloropropene	670	U
79-00-5	1,1,2-Trichloroethane	670	U
127-18-4	Tetrachloroethene	330	U
591-78-6	2-Hexanone	670	U
126-48-1	Dibromochloromethane	670	U
108-90-7	Chlorobenzene	330	U
100-41-4	Ethylbenzene	670	U

0862

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-55 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.17

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03799.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 21.6 Date Analyzed: 05/20/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-55 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3550 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3550.17

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V03799.D

Level: (low/med) MED Date Received: 05/06/98

% Moisture: not dec. 21.6 Date Analyzed: 05/20/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0864

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-56 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.04

Sample wt/vol: 8.7 (g/ml) G Lab File ID: V03806.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 18.8 Date Analyzed: 05/21/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2500	U
107131	Acrylonitrile	2500	U
75650	tert-Butyl alcohol	4600	U
1634044	Methyl-tert-Butyl ether	1100	U
108203	Di-isopropyl ether	710	U
	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	360	U
75-01-4	Vinyl Chloride	1100	U
74-83-9	Bromomethane	710	U
75-00-3	Chloroethane	1100	U
75-69-4	Trichlorofluoromethane	710	U
75-35-4	1,1-Dichloroethene	360	U
67-64-1	Acetone	710	U
75-15-0	Carbon Disulfide	360	U
75-09-2	Methylene Chloride	710	U
156-60-5	trans-1,2-Dichloroethene	710	U
75-35-3	1,1-Dichloroethane	360	U
108-05-4	Vinyl Acetate	1100	U
78-93-3	2-Butanone	1100	U
	cis-1,2-Dichloroethene	360	U
67-66-3	Chloroform	360	U
75-55-6	1,1,1-Trichloroethane	360	U
56-23-5	Carbon Tetrachloride	710	U
71-43-2	Benzene	360	U
107-06-2	1,2-Dichloroethane	710	U
79-01-6	Trichloroethene	360	U
78-87-5	1,2-Dichloropropane	360	U
75-27-4	Bromodichloromethane	360	U
110-75-8	2-Chloroethyl vinyl ether	710	U
10061-01-5	cis-1,3-Dichloropropene	360	U
108-10-1	4-Methyl-2-Pentanone	710	U
108-88-3	Toluene	360	U
10061-02-6	trans-1,3-Dichloropropene	710	U
79-00-5	1,1,2-Trichloroethane	710	U
127-18-4	Tetrachloroethene	360	U
591-78-6	2-Hexanone	710	U
126-48-1	Dibromochloromethane	710	U
108-90-7	Chlorobenzene	360	U
100-41-4	Ethylbenzene	710	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-56 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.04

Sample wt/vol: 8.7 (g/ml) G Lab File ID: V03806.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 18.8 Date Analyzed: 05/21/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1100	U
1330-20-7	o-Xylene	710	U
100-42-5	Styrene	710	U
75-25-2	Bromoform	710	U
79-34-5	1,1,2,2-Tetrachloroethane	710	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-56 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.04

Sample wt/vol: 8.7 (g/ml) G Lab File ID: V03806.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 18.8 Date Analyzed: 05/21/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-57 38"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.08

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03808.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 19.4 Date Analyzed: 05/21/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4300	U
1634044	Methyl-tert-Butyl ether	990	U
108203	Di-isopropyl ether	660	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	330	U
75-01-4	Vinyl Chloride	990	U
74-83-9	Bromomethane	660	U
75-00-3	Chloroethane	990	U
75-69-4	Trichlorofluoromethane	660	U
75-35-4	1,1-Dichloroethene	330	U
67-64-1	Acetone	660	U
75-15-0	Carbon Disulfide	330	U
75-09-2	Methylene Chloride	660	U
156-60-5	trans-1,2-Dichloroethene	660	U
75-35-3	1,1-Dichloroethane	330	U
108-05-4	Vinyl Acetate	990	U
78-93-3	2-Butanone	990	U
	cis-1,2-Dichloroethene	330	U
67-66-3	Chloroform	330	U
75-55-6	1,1,1-Trichloroethane	330	U
56-23-5	Carbon Tetrachloride	660	U
71-43-2	Benzene	330	U
107-06-2	1,2-Dichloroethane	660	U
79-01-6	Trichloroethene	330	U
78-87-5	1,2-Dichloropropane	330	U
75-27-4	Bromodichloromethane	330	U
110-75-8	2-Chloroethyl vinyl ether	660	U
10061-01-5	cis-1,3-Dichloropropene	330	U
108-10-1	4-Methyl-2-Pentanone	660	U
108-88-3	Toluene	330	U
10061-02-6	trans-1,3-Dichloropropene	660	U
79-00-5	1,1,2-Trichloroethane	660	U
127-18-4	Tetrachloroethene	330	U
591-78-6	2-Hexanone	660	U
126-48-1	Dibromochloromethane	660	U
108-90-7	Chlorobenzene	330	U
100-41-4	Ethylbenzene	660	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-57 38"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.08

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03808.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 19.4 Date Analyzed: 05/21/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	990	U
1330-20-7	o-Xylene	660	U
100-42-5	Styrene	660	U
75-25-2	Bromoform	660	U
79-34-5	1,1,2,2-Tetrachloroethane	660	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-57 38"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.08

Sample wt/vol: 9.4 (g/ml) G Lab File ID: V03808.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 19.4 Date Analyzed: 05/21/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-58 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.12

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03810.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 7.4 Date Analyzed: 05/21/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-58 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.12

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03810.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 7.4 Date Analyzed: 05/21/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-58 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.12

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03810.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 7.4 Date Analyzed: 05/21/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0873

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-59 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.16

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03812.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 5.8 Date Analyzed: 05/21/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-59 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.16

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03812.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 5.8 Date Analyzed: 05/21/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-59 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3561 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3561.16

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03812.D

Level: (low/med) MED Date Received: 05/11/98

% Moisture: not dec. 5.8 Date Analyzed: 05/21/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-60 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03817.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 21 Date Analyzed: 05/21/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4100	U
1634044	Methyl-tert-Butyl ether	940	U
108203	Di-isopropyl ether	630	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	940	U
74-83-9	Bromomethane	630	U
75-00-3	Chloroethane	940	U
75-69-4	Trichlorofluoromethane	630	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	630	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	630	U
156-60-5	trans-1,2-Dichloroethene	630	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	940	U
78-93-3	2-Butanone	940	U
	cis-1,2-Dichloroethene	310	U
67-66-3	Chloroform	310	U
75-55-6	1,1,1-Trichloroethane	310	U
56-23-5	Carbon Tetrachloride	630	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	630	U
79-01-6	Trichloroethene	310	U
78-87-5	1,2-Dichloropropane	310	U
75-27-4	Bromodichloromethane	310	U
110-75-8	2-Chloroethyl vinyl ether	630	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	630	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	630	U
79-00-5	1,1,2-Trichloroethane	630	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	630	U
126-48-1	Dibromochloromethane	630	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	630	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-60 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03817.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 21 Date Analyzed: 05/21/98

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

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

CONCENTRATION UNITS:

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

0878

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-60 40"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03817.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 21 Date Analyzed: 05/21/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-61 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03825.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 9.2 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

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-61 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03825.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 9.2 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

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-61 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03825.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 9.2 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0882

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-62 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.12

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03827.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 9 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

0883

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-62 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.12

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03827.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 9 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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

0884

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-62 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.12

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03827.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 9 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-63 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.17

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03830.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 6.1 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	790	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	790	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	790	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	790	U
78-93-3	2-Butanone	790	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-63 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.17

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03830.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 6.1 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	790	U
1330-20-7	o-Xylene	520	U
100-42-5	Styrene	520	U
75-25-2	Bromoform	520	U
79-34-5	1,1,2,2-Tetrachloroethane	520	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-63 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.17

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03830.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 6.1 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0888

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-64 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.21

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03832.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 5.9 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-64 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.21

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03832.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 5.9 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	800	U
1330-20-7	o-Xylene	530	U
100-42-5	Styrene	530	U
75-25-2	Bromoform	530	U
79-34-5	1,1,2,2-Tetrachloroethane	530	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-64 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.21

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03832.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 5.9 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	11.91	3200	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.25

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03834.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 21.7 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4200	U
1634044	Methyl-tert-Butyl ether	960	U
108203	Di-isopropyl ether	640	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	320	U
75-01-4	Vinyl Chloride	960	U
74-83-9	Bromomethane	640	U
75-00-3	Chloroethane	960	U
75-69-4	Trichlorofluoromethane	640	U
75-35-4	1,1-Dichloroethene	320	U
67-64-1	Acetone	640	U
75-15-0	Carbon Disulfide	320	U
75-09-2	Methylene Chloride	640	U
156-60-5	trans-1,2-Dichloroethene	640	U
75-35-3	1,1-Dichloroethane	320	U
108-05-4	Vinyl Acetate	960	U
78-93-3	2-Butanone	960	U
	cis-1,2-Dichloroethene	320	U
67-66-3	Chloroform	320	U
75-55-6	1,1,1-Trichloroethane	320	U
56-23-5	Carbon Tetrachloride	640	U
71-43-2	Benzene	320	U
107-06-2	1,2-Dichloroethane	640	U
79-01-6	Trichloroethene	320	U
78-87-5	1,2-Dichloropropane	320	U
75-27-4	Bromodichloromethane	320	U
110-75-8	2-Chloroethyl vinyl ether	640	U
10061-01-5	cis-1,3-Dichloropropene	320	U
108-10-1	4-Methyl-2-Pentanone	640	U
108-88-3	Toluene	320	U
10061-02-6	trans-1,3-Dichloropropene	640	U
79-00-5	1,1,2-Trichloroethane	640	U
127-18-4	Tetrachloroethene	320	U
591-78-6	2-Hexanone	640	U
126-48-1	Dibromochloromethane	640	U
108-90-7	Chlorobenzene	320	U
100-41-4	Ethylbenzene	640	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.25

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03834.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 21.7 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	960	U
1330-20-7	o-Xylene	640	U
100-42-5	Styrene	640	U
75-25-2	Bromoform	640	U
79-34-5	1,1,2,2-Tetrachloroethane	640	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Field Dup 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3567 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3567.25

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03834.D

Level: (low/med) MED Date Received: 05/14/98

% Moisture: not dec. 21.7 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-65 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03837.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 10.86 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	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-65 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03837.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 10.86 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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

0896

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-65 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03837.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 10.86 Date Analyzed: 05/22/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-66 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.08

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03842.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 10.7 Date Analyzed: 05/26/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	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-66 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.08

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03842.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 10.7 Date Analyzed: 05/26/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-66 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.08

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03842.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 10.7 Date Analyzed: 05/26/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-67 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.11

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03843.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 10.3 Date Analyzed: 05/26/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-67 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.11

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03843.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 10.3 Date Analyzed: 05/26/98

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

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

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-67 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.11

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03843.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 10.3 Date Analyzed: 05/26/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-68 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.15

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03845.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 14.7 Date Analyzed: 05/26/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	U
1634044	Methyl-tert-Butyl ether	880	U
108203	Di-isopropyl ether	590	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	880	U
74-83-9	Bromomethane	590	U
75-00-3	Chloroethane	880	U
75-69-4	Trichlorofluoromethane	590	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	590	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	590	U
156-60-5	trans-1,2-Dichloroethene	590	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	880	U
78-93-3	2-Butanone	880	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	590	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	590	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	590	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	590	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	590	U
79-00-5	1,1,2-Trichloroethane	590	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	590	U
126-48-1	Dibromochloromethane	590	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	590	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-68 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.15

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03845.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 14.7 Date Analyzed: 05/26/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-68 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.15

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03845.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 14.7 Date Analyzed: 05/26/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-69 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03847.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 15 Date Analyzed: 05/26/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	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	3300	
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-69 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03847.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 15 Date Analyzed: 05/26/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-69 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3571 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3571.19

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03847.D

Level: (low/med) MED Date Received: 05/15/98

% Moisture: not dec. 15 Date Analyzed: 05/26/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-70 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.04

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03854.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 21.1 Date Analyzed: 05/26/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	900	U
108203	Di-isopropyl ether	600	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	900	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	900	U
75-69-4	Trichlorofluoromethane	600	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	600	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	600	U
156-60-5	trans-1,2-Dichloroethene	600	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	900	U
78-93-3	2-Butanone	900	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	600	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	600	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	600	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	600	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	600	U
79-00-5	1,1,2-Trichloroethane	600	U
127-18-4	Tetrachloroethene	1400	
591-78-6	2-Hexanone	600	U
126-48-1	Dibromochloromethane	600	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	600	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-70 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.04

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03854.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 21.1 Date Analyzed: 05/26/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	900	U
1330-20-7	o-Xylene	600	U
100-42-5	Styrene	600	U
75-25-2	Bromoform	600	U
79-34-5	1,1,2,2-Tetrachloroethane	600	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-70 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.04

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03854.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 21.1 Date Analyzed: 05/26/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-71 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.08

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03856.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 25 Date Analyzed: 05/26/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	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	1500	
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	320	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-71 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.08

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03856.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 25 Date Analyzed: 05/26/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1300	
1330-20-7	o-Xylene	1100	
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-71 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.08

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03856.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 25 Date Analyzed: 05/26/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000108-87-2	Cyclohexane, methyl-	22.22	8100	JN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-72 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.12

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03863.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 16.9 Date Analyzed: 05/27/98

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

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

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

CAS NO.	COMPOUND		Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3800	U
1634044	Methyl-tert-Butyl ether	880	U
108203	Di-isopropyl ether	590	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	880	U
74-83-9	Bromomethane	590	U
75-00-3	Chloroethane	880	U
75-69-4	Trichlorofluoromethane	590	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	590	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	590	U
156-60-5	trans-1,2-Dichloroethene	590	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	880	U
78-93-3	2-Butanone	880	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	590	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	590	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	590	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	590	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	590	U
79-00-5	1,1,2-Trichloroethane	590	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	590	U
126-48-1	Dibromochloromethane	590	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	590	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-72 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.12

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03863.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 16.9 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-72 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.12

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03863.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 16.9 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-73 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.15

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03864.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 13.1 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

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

0919

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-73 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.15

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03864.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 13.1 Date Analyzed: 05/27/98

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

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

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-73 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3576 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3576.15

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03864.D

Level: (low/med) MED Date Received: 05/18/98

% Moisture: not dec. 13.1 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-74 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03866.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 6.85 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

0922

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-74 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03866.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 6.85 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-74 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03866.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 6.85 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-75 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03867.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 8.15 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-75 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03867.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 8.15 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	800	U
1330-20-7	o-Xylene	530	U
100-42-5	Styrene	530	U
75-25-2	Bromoform	530	U
79-34-5	1,1,2,2-Tetrachloroethane	530	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-75 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03867.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 8.15 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-76 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.09

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03868.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.47 Date Analyzed: 05/27/98

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

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

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	770	
591-78-6	2-Hexanone	580	U
126-48-1	Dibromochloromethane	580	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	580	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-76 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.09

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03868.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.47 Date Analyzed: 05/27/98

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

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

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-76 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.09

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03868.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.47 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-77 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03869.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 31.11 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2600	U
107131	Acrylonitrile	2600	U
75650	tert-Butyl alcohol	4700	U
1634044	Methyl-tert-Butyl ether	1100	U
108203	Di-isopropyl ether	730	U
	Dichlorodifluoromethane	1500	U
74-87-3	Chloromethane	370	U
75-01-4	Vinyl Chloride	1100	U
74-83-9	Bromomethane	730	U
75-00-3	Chloroethane	1100	U
75-69-4	Trichlorofluoromethane	730	U
75-35-4	1,1-Dichloroethene	370	U
67-64-1	Acetone	730	U
75-15-0	Carbon Disulfide	370	U
75-09-2	Methylene Chloride	730	U
156-60-5	trans-1,2-Dichloroethene	730	U
75-35-3	1,1-Dichloroethane	370	U
108-05-4	Vinyl Acetate	1100	U
78-93-3	2-Butanone	1100	U
	cis-1,2-Dichloroethene	370	U
67-66-3	Chloroform	370	U
75-55-6	1,1,1-Trichloroethane	370	U
56-23-5	Carbon Tetrachloride	730	U
71-43-2	Benzene	370	U
107-06-2	1,2-Dichloroethane	730	U
79-01-6	Trichloroethene	370	U
78-87-5	1,2-Dichloropropane	370	U
75-27-4	Bromodichloromethane	370	U
110-75-8	2-Chloroethyl vinyl ether	730	U
10061-01-5	cis-1,3-Dichloropropene	370	U
108-10-1	4-Methyl-2-Pentanone	730	U
108-88-3	Toluene	370	U
10061-02-6	trans-1,3-Dichloropropene	730	U
79-00-5	1,1,2-Trichloroethane	730	U
127-18-4	Tetrachloroethene	370	U
591-78-6	2-Hexanone	730	U
126-48-1	Dibromochloromethane	730	U
108-90-7	Chlorobenzene	370	U
100-41-4	Ethylbenzene	730	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-77 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03869.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 31.11 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-77 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03869.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 31.11 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-78 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.16

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03871.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 24.15 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
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-78 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.16

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03871.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 24.15 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-78 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.16

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03871.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 24.15 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000110-54-3	Hexane	14.48	3100	JN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-79 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.20

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03873.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.99 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3800	U
1634044	Methyl-tert-Butyl ether	880	U
108203	Di-isopropyl ether	590	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	880	U
74-83-9	Bromomethane	590	U
75-00-3	Chloroethane	880	U
75-69-4	Trichlorofluoromethane	590	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	590	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	590	U
156-60-5	trans-1,2-Dichloroethene	590	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	880	U
78-93-3	2-Butanone	880	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	590	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	590	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	590	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	590	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	590	U
79-00-5	1,1,2-Trichloroethane	590	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	590	U
126-48-1	Dibromochloromethane	590	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	590	U

0937

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-79 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.20

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03873.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.99 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-79 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.20

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03873.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.99 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-80 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.24

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03875.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 15.49 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	900	U
108203	Di-isopropyl ether	600	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	900	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	900	U
75-69-4	Trichlorofluoromethane	600	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	600	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	600	U
156-60-5	trans-1,2-Dichloroethene	600	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	900	U
78-93-3	2-Butanone	900	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	600	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	600	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	600	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	600	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	600	U
79-00-5	1,1,2-Trichloroethane	600	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	600	U
126-48-1	Dibromochloromethane	600	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	600	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-80 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.24

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03875.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 15.49 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-80 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.24

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03875.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 15.49 Date Analyzed: 05/27/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-81 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.28

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03905.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 12.41 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
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-81 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.28

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03905.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 12.41 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	860	U
1330-20-7	o-Xylene	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-81 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.28

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03905.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 12.41 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-82 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.32

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03907.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 10.31 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
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-82 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.32

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03907.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 10.31 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-82 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.32

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03907.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 10.31 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-83 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.36

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03909.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 9.97 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-83 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.36

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03909.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 9.97 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-83 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.36

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V03909.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 9.97 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.40

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03911.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.23 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	890	U
108203	Di-isopropyl ether	590	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	890	U
74-83-9	Bromomethane	590	U
75-00-3	Chloroethane	890	U
75-69-4	Trichlorofluoromethane	590	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	590	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	590	U
156-60-5	trans-1,2-Dichloroethene	590	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	890	U
78-93-3	2-Butanone	890	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	590	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	590	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	590	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	590	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	590	U
79-00-5	1,1,2-Trichloroethane	590	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	590	U
126-48-1	Dibromochloromethane	590	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	590	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.40

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03911.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.23 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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.

Field Dup 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3580 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3580.40

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03911.D

Level: (low/med) MED Date Received: 05/19/98

% Moisture: not dec. 14.23 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-84 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03914.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 13.13 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
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	590	U
156-60-5	trans-1,2-Dichloroethene	590	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	890	U
78-93-3	2-Butanone	890	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	590	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	590	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	590	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	590	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	590	U
79-00-5	1,1,2-Trichloroethane	590	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	590	U
126-48-1	Dibromochloromethane	590	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	590	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-84 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03914.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 13.13 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-84 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V03914.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 13.13 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-85 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.08

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03916.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 8.71 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-85 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.08

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03916.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 8.71 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-85 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.08

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03916.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 8.71 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-86 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03918.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 11.73 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
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-86 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03918.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 11.73 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	850	U
1330-20-7	o-Xylene	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-86 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03918.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 11.73 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-87 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.16

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03920.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 10.86 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-87 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.16

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03920.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 10.86 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-87 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.16

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V03920.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 10.86 Date Analyzed: 05/29/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-88 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.19

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03953.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 23.06 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4100	U
1634044	Methyl-tert-Butyl ether	940	U
108203	Di-isopropyl ether	630	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	940	U
74-83-9	Bromomethane	630	U
75-00-3	Chloroethane	940	U
75-69-4	Trichlorofluoromethane	630	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	630	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	630	U
156-60-5	trans-1,2-Dichloroethene	630	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	940	U
78-93-3	2-Butanone	940	U
	cis-1,2-Dichloroethene	310	U
67-66-3	Chloroform	310	U
75-55-6	1,1,1-Trichloroethane	310	U
56-23-5	Carbon Tetrachloride	630	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	630	U
79-01-6	Trichloroethene	310	U
78-87-5	1,2-Dichloropropane	310	U
75-27-4	Bromodichloromethane	310	U
110-75-8	2-Chloroethyl vinyl ether	630	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	630	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	630	U
79-00-5	1,1,2-Trichloroethane	630	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	630	U
126-48-1	Dibromochloromethane	630	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	630	U

0967

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-88 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.19

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03953.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 23.06 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-88 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.19

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V03953.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 23.06 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-89 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.24

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03955.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 12.39 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	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-89 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.24

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03955.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 12.39 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-89 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.24

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03955.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 12.39 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-90 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.28

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03957.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 12.95 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	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-90 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.28

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03957.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 12.95 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
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-90 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.28

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03957.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 12.95 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-91 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.32

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03959.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 8.22 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	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

0976

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-91 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.32

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03959.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 8.22 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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

0977

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-91 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.32

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V03959.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 8.22 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0978

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-92 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.36

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03961.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 10.46 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	550	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	820	U
74-83-9	Bromomethane	550	U
75-00-3	Chloroethane	820	U
75-69-4	Trichlorofluoromethane	550	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	550	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	550	U
156-60-5	trans-1,2-Dichloroethene	550	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	820	U
78-93-3	2-Butanone	820	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	550	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	550	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	550	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	550	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	550	U
79-00-5	1,1,2-Trichloroethane	550	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	550	U
126-48-1	Dibromochloromethane	550	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	550	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-92 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.36

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03961.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 10.46 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-92 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3584 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3584.35

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03960.D

Level: (low/med) MED Date Received: 05/21/98

% Moisture: not dec. 6.99 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-93 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03964.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 10.21 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	U
1634044	Methyl-tert-Butyl ether	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-93 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03964.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 10.21 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-93 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.04

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03964.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 10.21 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-94 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.08

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03966.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 13.25 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	860	U
108203	Di-isopropyl ether	580	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	860	U
74-83-9	Bromomethane	580	U
75-00-3	Chloroethane	860	U
75-69-4	Trichlorofluoromethane	580	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	580	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	580	U
156-60-5	trans-1,2-Dichloroethene	580	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	860	U
78-93-3	2-Butanone	860	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	580	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	580	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	580	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	580	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	580	U
79-00-5	1,1,2-Trichloroethane	580	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	580	U
126-48-1	Dibromochloromethane	580	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	580	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-94 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.08

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03966.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 13.25 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	860	U
1330-20-7	o-Xylene	580	U
100-42-5	Styrene	580	U
75-25-2	Bromoform	580	U
79-34-5	1,1,2,2-Tetrachloroethane	580	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-94 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.08

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03966.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 13.25 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0987

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-95 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03968.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 17.48 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	910	U
108203	Di-isopropyl ether	600	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	910	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	910	U
75-69-4	Trichlorofluoromethane	600	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	600	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	600	U
156-60-5	trans-1,2-Dichloroethene	600	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	910	U
78-93-3	2-Butanone	910	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	600	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	600	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	600	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	600	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	600	U
79-00-5	1,1,2-Trichloroethane	600	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	600	U
126-48-1	Dibromochloromethane	600	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	600	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-95 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03968.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 17.48 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	910	U
1330-20-7	o-Xylene	600	U
100-42-5	Styrene	600	U
75-25-2	Bromoform	600	U
79-34-5	1,1,2,2-Tetrachloroethane	600	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-95 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V03968.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 17.48 Date Analyzed: 06/02/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-96 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.16

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03974.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 12.54 Date Analyzed: 06/03/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	U
1634044	Methyl-tert-Butyl ether	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-96 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.16

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03974.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 12.54 Date Analyzed: 06/03/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-96 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.16

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03974.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 12.54 Date Analyzed: 06/03/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

0993

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-97 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.20

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03976.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 25.31 Date Analyzed: 06/03/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2400	U
107131	Acrylonitrile	2400	U
75650	tert-Butyl alcohol	4400	U
1634044	Methyl-tert-Butyl ether	1000	U
108203	Di-isopropyl ether	680	U
	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	340	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	680	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	680	U
75-35-4	1,1-Dichloroethene	340	U
67-64-1	Acetone	680	U
75-15-0	Carbon Disulfide	340	U
75-09-2	Methylene Chloride	680	U
156-60-5	trans-1,2-Dichloroethene	680	U
75-35-3	1,1-Dichloroethane	340	U
108-05-4	Vinyl Acetate	1000	U
78-93-3	2-Butanone	1000	U
	cis-1,2-Dichloroethene	340	U
67-66-3	Chloroform	340	U
75-55-6	1,1,1-Trichloroethane	340	U
56-23-5	Carbon Tetrachloride	680	U
71-43-2	Benzene	340	U
107-06-2	1,2-Dichloroethane	680	U
79-01-6	Trichloroethene	340	U
78-87-5	1,2-Dichloropropane	340	U
75-27-4	Bromodichloromethane	340	U
110-75-8	2-Chloroethyl vinyl ether	680	U
10061-01-5	cis-1,3-Dichloropropene	340	U
108-10-1	4-Methyl-2-Pentanone	680	U
108-88-3	Toluene	340	U
10061-02-6	trans-1,3-Dichloropropene	680	U
79-00-5	1,1,2-Trichloroethane	680	U
127-18-4	Tetrachloroethene	340	U
591-78-6	2-Hexanone	680	U
126-48-1	Dibromochloromethane	680	U
108-90-7	Chlorobenzene	340	U
100-41-4	Ethylbenzene	680	U

0994

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-97 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.20

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03976.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 25.31 Date Analyzed: 06/03/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	1000	U
1330-20-7	o-Xylene	680	U
100-42-5	Styrene	680	U
75-25-2	Bromoform	680	U
79-34-5	1,1,2,2-Tetrachloroethane	680	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-97 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.20

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V03976.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 25.31 Date Analyzed: 06/03/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-98 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.24

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03978.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 18.64 Date Analyzed: 06/03/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4000	U
1634044	Methyl-tert-Butyl ether	930	U
108203	Di-isopropyl ether	620	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	930	U
74-83-9	Bromomethane	620	U
75-00-3	Chloroethane	930	U
75-69-4	Trichlorofluoromethane	620	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	620	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	620	U
156-60-5	trans-1,2-Dichloroethene	620	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	930	U
78-93-3	2-Butanone	930	U
	cis-1,2-Dichloroethene	310	U
67-66-3	Chloroform	310	U
75-55-6	1,1,1-Trichloroethane	310	U
56-23-5	Carbon Tetrachloride	620	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	620	U
79-01-6	Trichloroethene	310	U
78-87-5	1,2-Dichloropropane	310	U
75-27-4	Bromodichloromethane	310	U
110-75-8	2-Chloroethyl vinyl ether	620	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	620	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	620	U
79-00-5	1,1,2-Trichloroethane	620	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	620	U
126-48-1	Dibromochloromethane	620	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	620	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-98 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.24

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03978.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 18.64 Date Analyzed: 06/03/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	930	U
1330-20-7	o-Xylene	620	U
100-42-5	Styrene	620	U
75-25-2	Bromoform	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-98 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3588 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3588.24

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03978.D

Level: (low/med) MED Date Received: 05/22/98

% Moisture: not dec. 18.64 Date Analyzed: 06/03/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-99 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.03

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03993.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 19.17 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	910	U
108203	Di-isopropyl ether	610	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	910	U
74-83-9	Bromomethane	610	U
75-00-3	Chloroethane	910	U
75-69-4	Trichlorofluoromethane	610	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	610	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	610	U
156-60-5	trans-1,2-Dichloroethene	610	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	910	U
78-93-3	2-Butanone	910	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	610	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	610	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	610	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	610	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	610	U
79-00-5	1,1,2-Trichloroethane	610	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	610	U
126-48-1	Dibromochloromethane	610	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	610	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-99 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.03

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03993.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 19.17 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	910	U
1330-20-7	o-Xylene	610	U
100-42-5	Styrene	610	U
75-25-2	Bromoform	610	U
79-34-5	1,1,2,2-Tetrachloroethane	610	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-99 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.03

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V03993.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 19.17 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-100 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03995.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 10.92 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	U
1634044	Methyl-tert-Butyl ether	830	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	830	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	830	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	830	U
78-93-3	2-Butanone	830	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-100 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03995.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 10.92 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-100 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V03995.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 10.92 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-101 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.11

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03997.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 4.11 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	790	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	790	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	790	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	790	U
78-93-3	2-Butanone	790	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-101 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.11

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03997.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 4.11 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	790	U
1330-20-7	o-Xylene	520	U
100-42-5	Styrene	520	U
75-25-2	Bromoform	520	U
79-34-5	1,1,2,2-Tetrachloroethane	520	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-101 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.11

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03997.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 4.11 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-102 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.15

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03999.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 11.41 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
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-102 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.15

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03999.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 11.41 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-102 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.15

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V03999.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 11.41 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.19

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04001.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 4.67 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

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

Field Dup 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.19

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04001.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 4.67 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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.

Field Dup 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.19

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04001.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 4.67 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-103 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.23

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04003.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 8.62 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
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-103 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.23

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04003.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 8.62 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-103 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3593 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3593.23

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04003.D

Level: (low/med) MED Date Received: 05/26/98

% Moisture: not dec. 8.62 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-104 76"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3596 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3596.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04006.D

Level: (low/med) MED Date Received: 05/27/98

% Moisture: not dec. 4.08 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-104 76"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3596 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3596.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04006.D

Level: (low/med) MED Date Received: 05/27/98

% Moisture: not dec. 4.08 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-104 76"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3596 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3596.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04006.D

Level: (low/med) MED Date Received: 05/27/98

% Moisture: not dec. 4.08 Date Analyzed: 06/04/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-105 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3596 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3596.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04012.D

Level: (low/med) MED Date Received: 05/27/98

% Moisture: not dec. 4.79 Date Analyzed: 06/05/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	790	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	790	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	790	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	790	U
78-93-3	2-Butanone	790	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-105 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3596 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3596.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04012.D

Level: (low/med) MED Date Received: 05/27/98

% Moisture: not dec. 4.79 Date Analyzed: 06/05/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-105 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3596 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3596.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04012.D

Level: (low/med) MED Date Received: 05/27/98

% Moisture: not dec. 4.79 Date Analyzed: 06/05/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-106 70"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3596 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3596.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04014.D

Level: (low/med) MED Date Received: 05/27/98

% Moisture: not dec. 7.89 Date Analyzed: 06/05/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	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-106 70"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3596 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3596.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04014.D

Level: (low/med) MED Date Received: 05/27/98

% Moisture: not dec. 7.89 Date Analyzed: 06/05/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-106 70"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3596 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3596.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04014.D

Level: (low/med) MED Date Received: 05/27/98

% Moisture: not dec. 7.89 Date Analyzed: 06/05/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-107 70"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3604 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3604.04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04019.D

Level: (low/med) MED Date Received: 05/29/98

% Moisture: not dec. 5.83 Date Analyzed: 06/05/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-107 70"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3604 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3604.04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04019.D

Level: (low/med) MED Date Received: 05/29/98

% Moisture: not dec. 5.83 Date Analyzed: 06/05/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-107 70"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3604 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3604.04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04019.D

Level: (low/med) MED Date Received: 05/29/98

% Moisture: not dec. 5.83 Date Analyzed: 06/05/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-108 46"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3604 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3604.08

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04021.D

Level: (low/med) MED Date Received: 05/29/98

% Moisture: not dec. 10.5 Date Analyzed: 06/05/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-108 46"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3604 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3604.08

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04021.D

Level: (low/med) MED Date Received: 05/29/98

% Moisture: not dec. 10.5 Date Analyzed: 06/05/98

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

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-108 46"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3604 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3604.08

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04021.D

Level: (low/med) MED Date Received: 05/29/98

% Moisture: not dec. 10.5 Date Analyzed: 06/05/98

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-109 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3604 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3604.12

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V04023.D

Level: (low/med) MED Date Received: 05/29/98

% Moisture: not dec. 10.06 Date Analyzed: 06/05/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-109 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3604 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3604.12

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V04023.D

Level: (low/med) MED Date Received: 05/29/98

% Moisture: not dec. 10.06 Date Analyzed: 06/05/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-109 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3604 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3604.12

Sample wt/vol: 10.5 (g/ml) G Lab File ID: V04023.D

Level: (low/med) MED Date Received: 05/29/98

% Moisture: not dec. 10.06 Date Analyzed: 06/05/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-110 45"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3604 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3604.16

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04025.D

Level: (low/med) MED Date Received: 05/29/98

% Moisture: not dec. 5.03 Date Analyzed: 06/05/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-110 45"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3604 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3604.16

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04025.D

Level: (low/med) MED Date Received: 05/29/98

% Moisture: not dec. 5.03 Date Analyzed: 06/05/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-110 45"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3604 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3604.16

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04025.D

Level: (low/med) MED Date Received: 05/29/98

% Moisture: not dec. 5.03 Date Analyzed: 06/05/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-111 45"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3604 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3604.20

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04049.D

Level: (low/med) MED Date Received: 05/29/98

% Moisture: not dec. 4.33 Date Analyzed: 06/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-111 45"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3604 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3604.20

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04049.D

Level: (low/med) MED Date Received: 05/29/98

% Moisture: not dec. 4.33 Date Analyzed: 06/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-111 45"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3604 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3604.20

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04049.D

Level: (low/med) MED Date Received: 05/29/98

% Moisture: not dec. 4.33 Date Analyzed: 06/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-112 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3612 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3612.06

Sample wt/vol: 9.3 (g/ml) G Lab File ID: V04052.D

Level: (low/med) MED Date Received: 06/02/98

% Moisture: not dec. 5.09 Date Analyzed: 06/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	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-112 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3612 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3612.06

Sample wt/vol: 9.3 (g/ml) G Lab File ID: V04052.D

Level: (low/med) MED Date Received: 06/02/98

% Moisture: not dec. 5.09 Date Analyzed: 06/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-112 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3612 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3612.06

Sample wt/vol: 9.3 (g/ml) G Lab File ID: V04052.D

Level: (low/med) MED Date Received: 06/02/98

% Moisture: not dec. 5.09 Date Analyzed: 06/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-113 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3612 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3612.10

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04054.D

Level: (low/med) MED Date Received: 06/02/98

% Moisture: not dec. 3.85 Date Analyzed: 06/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3300	U
1634044	Methyl-tert-Butyl ether	760	U
108203	Di-isopropyl ether	510	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	760	U
74-83-9	Bromomethane	510	U
75-00-3	Chloroethane	760	U
75-69-4	Trichlorofluoromethane	510	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	510	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	510	U
156-60-5	trans-1,2-Dichloroethene	510	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	760	U
78-93-3	2-Butanone	760	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	510	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	510	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	510	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	510	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	510	U
79-00-5	1,1,2-Trichloroethane	510	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	510	U
126-48-1	Dibromochloromethane	510	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	510	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-113 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3612 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3612.10

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04054.D

Level: (low/med) MED Date Received: 06/02/98

% Moisture: not dec. 3.85 Date Analyzed: 06/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-113 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3612 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3612.10

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04054.D

Level: (low/med) MED Date Received: 06/02/98

% Moisture: not dec. 3.85 Date Analyzed: 06/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-114 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3612 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3612.14

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04056.D

Level: (low/med) MED Date Received: 06/02/98

% Moisture: not dec. 12.12 Date Analyzed: 06/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	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-114 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3612 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3612.14

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04056.D

Level: (low/med) MED Date Received: 06/02/98

% Moisture: not dec. 12.12 Date Analyzed: 06/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-114 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3612 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3612.14

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04056.D

Level: (low/med) MED Date Received: 06/02/98

% Moisture: not dec. 12.12 Date Analyzed: 06/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-115 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3616 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3616.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04061.D

Level: (low/med) MED Date Received: 06/03/98

% Moisture: not dec. 4.77 Date Analyzed: 06/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	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-115 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3616 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3616.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04061.D

Level: (low/med) MED Date Received: 06/03/98

% Moisture: not dec. 4.77 Date Analyzed: 06/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-115 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3616 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3616.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04061.D

Level: (low/med) MED Date Received: 06/03/98

% Moisture: not dec. 4.77 Date Analyzed: 06/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-116 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3616 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3616.08

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04068.D

Level: (low/med) MED Date Received: 06/03/98

% Moisture: not dec. 5.61 Date Analyzed: 06/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
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-116 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3616 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3616.08

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04068.D

Level: (low/med) MED Date Received: 06/03/98

% Moisture: not dec. 5.61 Date Analyzed: 06/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-116 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3616 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3616.08

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04068.D

Level: (low/med) MED Date Received: 06/03/98

% Moisture: not dec. 5.61 Date Analyzed: 06/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-117 76"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3616 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3616.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04070.D

Level: (low/med) MED Date Received: 06/03/98

% Moisture: not dec. 6.17 Date Analyzed: 06/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-117 76"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3616 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3616.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04070.D

Level: (low/med) MED Date Received: 06/03/98

% Moisture: not dec. 6.17 Date Analyzed: 06/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-117 76"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3616 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3616.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04070.D

Level: (low/med) MED Date Received: 06/03/98

% Moisture: not dec. 6.17 Date Analyzed: 06/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-118 79"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3616 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3616.16

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04072.D

Level: (low/med) MED Date Received: 06/03/98

% Moisture: not dec. 5.34 Date Analyzed: 06/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-118 79"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3616 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3616.16

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04072.D

Level: (low/med) MED Date Received: 06/03/98

% Moisture: not dec. 5.34 Date Analyzed: 06/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-118 79"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3616 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3616.16

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04072.D

Level: (low/med) MED Date Received: 06/03/98

% Moisture: not dec. 5.34 Date Analyzed: 06/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-119 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3621 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3621.04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04075.D

Level: (low/med) MED Date Received: 06/04/98

% Moisture: not dec. 4.35 Date Analyzed: 06/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1063

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-119 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3621 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3621.04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04075.D

Level: (low/med) MED Date Received: 06/04/98

% Moisture: not dec. 4.35 Date Analyzed: 06/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-119 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3621 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3621.04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04075.D

Level: (low/med) MED Date Received: 06/04/98

% Moisture: not dec. 4.35 Date Analyzed: 06/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-120 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3621 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3621.08

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04077.D

Level: (low/med) MED Date Received: 06/04/98

% Moisture: not dec. 5.58 Date Analyzed: 06/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3300	U
1634044	Methyl-tert-Butyl ether	760	U
108203	Di-isopropyl ether	510	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	760	U
74-83-9	Bromomethane	510	U
75-00-3	Chloroethane	760	U
75-69-4	Trichlorofluoromethane	510	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	510	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	510	U
156-60-5	trans-1,2-Dichloroethene	510	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	760	U
78-93-3	2-Butanone	760	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	510	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	510	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	510	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	510	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	510	U
79-00-5	1,1,2-Trichloroethane	510	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	510	U
126-48-1	Dibromochloromethane	510	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	510	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-120 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3621 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3621.08

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04077.D

Level: (low/med) MED Date Received: 06/04/98

% Moisture: not dec. 5.58 Date Analyzed: 06/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-120 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3621 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3621.08

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04077.D

Level: (low/med) MED Date Received: 06/04/98

% Moisture: not dec. 5.58 Date Analyzed: 06/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-121 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3621 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3621.12

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04086.D

Level: (low/med) MED Date Received: 06/04/98

% Moisture: not dec. 5.12 Date Analyzed: 06/11/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-121 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3621 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3621.12

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04086.D

Level: (low/med) MED Date Received: 06/04/98

% Moisture: not dec. 5.12 Date Analyzed: 06/11/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	780	U
1330-20-7	o-Xylene	520	U
100-42-5	Styrene	520	U
75-25-2	Bromoform	520	U
79-34-5	1,1,2,2-Tetrachloroethane	520	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-121 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3621 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3621.12

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04086.D

Level: (low/med) MED Date Received: 06/04/98

% Moisture: not dec. 5.12 Date Analyzed: 06/11/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-122 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3621 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3621.16

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04088.D

Level: (low/med) MED Date Received: 06/04/98

% Moisture: not dec. 10.37 Date Analyzed: 06/11/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3600	U
1634044	Methyl-tert-Butyl ether	840	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	840	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	840	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	840	U
78-93-3	2-Butanone	840	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-122 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3621 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3621.16

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04088.D

Level: (low/med) MED Date Received: 06/04/98

% Moisture: not dec. 10.37 Date Analyzed: 06/11/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	840	U
1330-20-7	o-Xylene	560	U
100-42-5	Styrene	560	U
75-25-2	Bromoform	560	U
79-34-5	1,1,2,2-Tetrachloroethane	560	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-122 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3621 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3621.16

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04088.D

Level: (low/med) MED Date Received: 06/04/98

% Moisture: not dec. 10.37 Date Analyzed: 06/11/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-123 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3624 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3624.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04091.D

Level: (low/med) MED Date Received: 06/05/98

% Moisture: not dec. 0 Date Analyzed: 06/11/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1700	U
107131	Acrylonitrile	1700	U
75650	tert-Butyl alcohol	3200	U
1634044	Methyl-tert-Butyl ether	730	U
108203	Di-isopropyl ether	490	U
	Dichlorodifluoromethane	980	U
74-87-3	Chloromethane	240	U
75-01-4	Vinyl Chloride	730	U
74-83-9	Bromomethane	490	U
75-00-3	Chloroethane	730	U
75-69-4	Trichlorofluoromethane	490	U
75-35-4	1,1-Dichloroethene	240	U
67-64-1	Acetone	490	U
75-15-0	Carbon Disulfide	240	U
75-09-2	Methylene Chloride	490	U
156-60-5	trans-1,2-Dichloroethene	490	U
75-35-3	1,1-Dichloroethane	240	U
108-05-4	Vinyl Acetate	730	U
78-93-3	2-Butanone	730	U
	cis-1,2-Dichloroethene	240	U
67-66-3	Chloroform	240	U
75-55-6	1,1,1-Trichloroethane	240	U
56-23-5	Carbon Tetrachloride	490	U
71-43-2	Benzene	240	U
107-06-2	1,2-Dichloroethane	490	U
79-01-6	Trichloroethene	240	U
78-87-5	1,2-Dichloropropane	240	U
75-27-4	Bromodichloromethane	240	U
110-75-8	2-Chloroethyl vinyl ether	490	U
10061-01-5	cis-1,3-Dichloropropene	240	U
108-10-1	4-Methyl-2-Pentanone	490	U
108-88-3	Toluene	240	U
10061-02-6	trans-1,3-Dichloropropene	490	U
79-00-5	1,1,2-Trichloroethane	490	U
127-18-4	Tetrachloroethene	240	U
591-78-6	2-Hexanone	490	U
126-48-1	Dibromochloromethane	490	U
108-90-7	Chlorobenzene	240	U
100-41-4	Ethylbenzene	490	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-123 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3624 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3624.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04091.D

Level: (low/med) MED Date Received: 06/05/98

% Moisture: not dec. 0 Date Analyzed: 06/11/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	730	U
1330-20-7	o-Xylene	490	U
100-42-5	Styrene	490	U
75-25-2	Bromoform	490	U
79-34-5	1,1,2,2-Tetrachloroethane	490	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-123 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3624 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3624.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04091.D

Level: (low/med) MED Date Received: 06/05/98

% Moisture: not dec. 0 Date Analyzed: 06/11/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-124 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3624 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3624.10

Sample wt/vol: 9.2 (g/ml) G Lab File ID: V04093.D

Level: (low/med) MED Date Received: 06/05/98

% Moisture: not dec. 0 Date Analyzed: 06/11/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	820	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	820	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	820	U
78-93-3	2-Butanone	820	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-124 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3624 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3624.10

Sample wt/vol: 9.2 (g/ml) G Lab File ID: V04093.D

Level: (low/med) MED Date Received: 06/05/98

% Moisture: not dec. 0 Date Analyzed: 06/11/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	820	U
1330-20-7	o-Xylene	540	U
100-42-5	Styrene	540	U
75-25-2	Bromoform	540	U
79-34-5	1,1,2,2-Tetrachloroethane	540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-124 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3624 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3624.10

Sample wt/vol: 9.2 (g/ml) G Lab File ID: V04093.D

Level: (low/med) MED Date Received: 06/05/98

% Moisture: not dec. 0 Date Analyzed: 06/11/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-125 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3624 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3624.14

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04095.D

Level: (low/med) MED Date Received: 06/05/98

% Moisture: not dec. 7.27 Date Analyzed: 06/11/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	550	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	820	U
74-83-9	Bromomethane	550	U
75-00-3	Chloroethane	820	U
75-69-4	Trichlorofluoromethane	550	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	550	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	550	U
156-60-5	trans-1,2-Dichloroethene	550	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	820	U
78-93-3	2-Butanone	820	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	550	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	550	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	550	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	550	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	550	U
79-00-5	1,1,2-Trichloroethane	550	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	550	U
126-48-1	Dibromochloromethane	550	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	550	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-125 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3624 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3624.14

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04095.D

Level: (low/med) MED Date Received: 06/05/98

% Moisture: not dec. 7.27 Date Analyzed: 06/11/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	820	U
1330-20-7	o-Xylene	550	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-125 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3624 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3624.14

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04095.D

Level: (low/med) MED Date Received: 06/05/98

% Moisture: not dec. 7.27 Date Analyzed: 06/11/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3624 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3624.18

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04106.D

Level: (low/med) MED Date Received: 06/05/98

% Moisture: not dec. 5.87 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1084

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3624 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3624.18

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04106.D

Level: (low/med) MED Date Received: 06/05/98

% Moisture: not dec. 5.87 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	800	U
1330-20-7	o-Xylene	530	U
100-42-5	Styrene	530	U
75-25-2	Bromoform	530	U
79-34-5	1,1,2,2-Tetrachloroethane	530	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Field Dup 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3624 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3624.18

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04106.D

Level: (low/med) MED Date Received: 06/05/98

% Moisture: not dec. 5.87 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-126 118"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04109.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 4.98 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3300	U
1634044	Methyl-tert-Butyl ether	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-126 118"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04109.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 4.98 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	770	U
1330-20-7	o-Xylene	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-126 118"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04109.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 4.98 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-127 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04111.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 4.86 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-127 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04111.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 4.86 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	800	U
1330-20-7	o-Xylene	530	U
100-42-5	Styrene	530	U
75-25-2	Bromoform	530	U
79-34-5	1,1,2,2-Tetrachloroethane	530	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-127 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04111.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 4.86 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-128 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04113.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 16.43 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	900	U
108203	Di-isopropyl ether	600	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	900	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	900	U
75-69-4	Trichlorofluoromethane	600	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	600	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	600	U
156-60-5	trans-1,2-Dichloroethene	600	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	900	U
78-93-3	2-Butanone	900	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	600	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	600	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	600	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	600	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	600	U
79-00-5	1,1,2-Trichloroethane	600	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	600	U
126-48-1	Dibromochloromethane	600	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	600	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-128 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04113.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 16.43 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-128 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04113.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 16.43 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-129 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.16

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04115.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 4.16 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-129 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.16

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04115.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 4.16 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	780	U
1330-20-7	o-Xylene	520	U
100-42-5	Styrene	520	U
75-25-2	Bromoform	520	U
79-34-5	1,1,2,2-Tetrachloroethane	520	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-129 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.16

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04115.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 4.16 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-130 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.20

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04117.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 3.37 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3300	U
1634044	Methyl-tert-Butyl ether	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-130 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.20

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04117.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 3.37 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	770	U
1330-20-7	o-Xylene	510	U
100-42-5	Styrene	510	U
75-25-2	Bromoform	510	U
79-34-5	1,1,2,2-Tetrachloroethane	510	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-130 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.20

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04117.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 3.37 Date Analyzed: 06/12/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	11.89	6500	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-131 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.24

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04126.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 3.81 Date Analyzed: 06/15/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		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	550	
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-131 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.24

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04126.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 3.81 Date Analyzed: 06/15/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-131 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.24

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04126.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 3.81 Date Analyzed: 06/15/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-132 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.28

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04128.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 4.01 Date Analyzed: 06/15/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	600	
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-132 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.28

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04128.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 4.01 Date Analyzed: 06/15/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-132 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3630 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3630.28

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04128.D

Level: (low/med) MED Date Received: 06/09/98

% Moisture: not dec. 4.01 Date Analyzed: 06/15/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1107

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-133 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.06

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04133.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 14.97 Date Analyzed: 06/15/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	890	U
108203	Di-isopropyl ether	600	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	890	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	890	U
75-69-4	Trichlorofluoromethane	600	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	600	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	600	U
156-60-5	trans-1,2-Dichloroethene	600	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	890	U
78-93-3	2-Butanone	890	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	600	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	600	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	600	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	600	U
108-88-3	Toluene	550	
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

1108

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-133 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.06

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04133.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 14.97 Date Analyzed: 06/15/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	890	U
1330-20-7	o-Xylene	600	U
100-42-5	Styrene	600	U
75-25-2	Bromoform	600	U
79-34-5	1,1,2,2-Tetrachloroethane	600	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-133 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.06

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04133.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 14.97 Date Analyzed: 06/15/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1110

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-134 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.10

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04135.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 5.83 Date Analyzed: 06/15/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	490	
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-134 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.10

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04135.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 5.83 Date Analyzed: 06/15/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	810	U
1330-20-7	o-Xylene	540	U
100-42-5	Styrene	540	U
75-25-2	Bromoform	540	U
79-34-5	1,1,2,2-Tetrachloroethane	540	U

1112

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-134 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.10

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04135.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 5.83 Date Analyzed: 06/15/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1113

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-135 70"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.14

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04137.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 4.72 Date Analyzed: 06/15/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	480	
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-135 70"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.14

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04137.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 4.72 Date Analyzed: 06/15/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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

1115

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-135 70"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.14

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04137.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 4.72 Date Analyzed: 06/15/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-136 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.18

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04145.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 3.2 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	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-136 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.18

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04145.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 3.2 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	770	U
1330-20-7	o-Xylene	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-136 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.18

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04145.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 3.2 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-137 118"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.22

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04147.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 3.69 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3300	U
1634044	Methyl-tert-Butyl ether	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-137 118"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.22

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04147.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 3.69 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	770	U
1330-20-7	o-Xylene	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-137 118"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.22

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04147.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 3.69 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-138 118"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.26

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04149.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 5.91 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	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-138 118"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.26

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04149.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 5.91 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	820	U
1330-20-7	o-Xylene	550	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-138 118"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3633 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3633.26

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04149.D

Level: (low/med) MED Date Received: 06/10/98

% Moisture: not dec. 5.91 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	11.90	5100	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-139 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3642 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3642.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04152.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 10.4 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	850	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	850	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	850	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	850	U
78-93-3	2-Butanone	850	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-139 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3642 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3642.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04152.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 10.4 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	850	U
1330-20-7	o-Xylene	560	U
100-42-5	Styrene	560	U
75-25-2	Bromoform	560	U
79-34-5	1,1,2,2-Tetrachloroethane	560	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-139 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3642 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3642.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04152.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 10.4 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-140 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3642 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3642.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04154.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 4.24 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	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-140 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3642 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3642.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04154.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 4.24 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	790	U
1330-20-7	o-Xylene	530	U
100-42-5	Styrene	530	U
75-25-2	Bromoform	530	U
79-34-5	1,1,2,2-Tetrachloroethane	530	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-140 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3642 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3642.08

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04154.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 4.24 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-141 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3642 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3642.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04156.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 4.81 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-141 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3642 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3642.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04156.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 4.81 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	800	U
1330-20-7	o-Xylene	530	U
100-42-5	Styrene	530	U
75-25-2	Bromoform	530	U
79-34-5	1,1,2,2-Tetrachloroethane	530	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-141 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3642 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3642.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04156.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 4.81 Date Analyzed: 06/16/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-142 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3642 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3642.16

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V04158.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 3.98 Date Analyzed: 06/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		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-142 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3642 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3642.16

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V04158.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 3.98 Date Analyzed: 06/17/98

GC Column: Rbx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	820	U
1330-20-7	o-Xylene	550	U
100-42-5	Styrene	550	U
75-25-2	Bromoform	550	U
79-34-5	1,1,2,2-Tetrachloroethane	550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-142 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3642 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3642.16

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V04158.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 3.98 Date Analyzed: 06/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3642 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3642.20

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04164.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 4.06 Date Analyzed: 06/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3642 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3642.20

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04164.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 4.06 Date Analyzed: 06/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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.

Field Dup

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3642 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3642.20

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04164.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 4.06 Date Analyzed: 06/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-143 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3646 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3646.06

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04169.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 4.1 Date Analyzed: 06/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-143 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3646 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3646.06

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04169.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 4.1 Date Analyzed: 06/17/98

GC Column: Rbx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	800	U
1330-20-7	o-Xylene	530	U
100-42-5	Styrene	530	U
75-25-2	Bromoform	530	U
79-34-5	1,1,2,2-Tetrachloroethane	530	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-143 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3646 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3646.06

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04169.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 4.1 Date Analyzed: 06/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-144 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3646 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3646.10

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04171.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 4.56 Date Analyzed: 06/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-144 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3646 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3646.10

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04171.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 4.56 Date Analyzed: 06/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-144 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3646 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3646.10

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04171.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 4.56 Date Analyzed: 06/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-145 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3646 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3646.14

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04173.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 7.05 Date Analyzed: 06/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-145 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3646 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3646.14

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04173.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 7.05 Date Analyzed: 06/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-145 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3646 Location: M-5 SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 3646.14

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04173.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 7.05 Date Analyzed: 06/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-146 84"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3646 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3646.18

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04175.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 5.27 Date Analyzed: 06/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	550	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	820	U
74-83-9	Bromomethane	550	U
75-00-3	Chloroethane	820	U
75-69-4	Trichlorofluoromethane	550	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	550	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	550	U
156-60-5	trans-1,2-Dichloroethene	550	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	820	U
78-93-3	2-Butanone	820	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	550	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	550	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	550	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	550	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	550	U
79-00-5	1,1,2-Trichloroethane	550	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	550	U
126-48-1	Dibromochloromethane	550	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	550	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-146 84"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3646 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3646.18

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04175.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 5.27 Date Analyzed: 06/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-146 84"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3646 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3646.18

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04175.D

Level: (low/med) MED Date Received: 06/11/98

% Moisture: not dec. 5.27 Date Analyzed: 06/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-147 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3651 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3651.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04182.D

Level: (low/med) MED Date Received: 06/15/98

% Moisture: not dec. 5.02 Date Analyzed: 06/18/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	790	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	790	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	790	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	790	U
78-93-3	2-Butanone	790	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-147 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3651 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3651.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04182.D

Level: (low/med) MED Date Received: 06/15/98

% Moisture: not dec. 5.02 Date Analyzed: 06/18/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-147 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3651 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3651.04

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04182.D

Level: (low/med) MED Date Received: 06/15/98

% Moisture: not dec. 5.02 Date Analyzed: 06/18/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	11.91	5000	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-148 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3651 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3651.08

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04184.D

Level: (low/med) MED Date Received: 06/15/98

% Moisture: not dec. 3.41 Date Analyzed: 06/18/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3300	U
1634044	Methyl-tert-Butyl ether	760	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	760	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	760	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	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	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-148 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3651 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3651.08

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04184.D

Level: (low/med) MED Date Received: 06/15/98

% Moisture: not dec. 3.41 Date Analyzed: 06/18/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	760	U
1330-20-7	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-148 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3651 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3651.08

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04184.D

Level: (low/med) MED Date Received: 06/15/98

% Moisture: not dec. 3.41 Date Analyzed: 06/18/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-149 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3651 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3651.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04186.D

Level: (low/med) MED Date Received: 06/15/98

% Moisture: not dec. 4.72 Date Analyzed: 06/18/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	790	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	790	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	790	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	790	U
78-93-3	2-Butanone	790	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-149 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3651 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3651.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04186.D

Level: (low/med) MED Date Received: 06/15/98

% Moisture: not dec. 4.72 Date Analyzed: 06/18/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	790	U
1330-20-7	o-Xylene	520	U
100-42-5	Styrene	520	U
75-25-2	Bromoform	520	U
79-34-5	1,1,2,2-Tetrachloroethane	520	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-149 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3651 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3651.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04186.D

Level: (low/med) MED Date Received: 06/15/98

% Moisture: not dec. 4.72 Date Analyzed: 06/18/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-150 76"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.04

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04194.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 11.48 Date Analyzed: 06/18/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	860	U
108203	Di-isopropyl ether	580	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	860	U
74-83-9	Bromomethane	580	U
75-00-3	Chloroethane	860	U
75-69-4	Trichlorofluoromethane	580	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	580	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	580	U
156-60-5	trans-1,2-Dichloroethene	580	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	860	U
78-93-3	2-Butanone	860	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	580	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	580	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	580	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	580	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	580	U
79-00-5	1,1,2-Trichloroethane	580	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	580	U
126-48-1	Dibromochloromethane	580	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	580	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-150 76"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.04

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04194.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 11.48 Date Analyzed: 06/18/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	860	U
1330-20-7	o-Xylene	580	U
100-42-5	Styrene	580	U
75-25-2	Bromoform	580	U
79-34-5	1,1,2,2-Tetrachloroethane	580	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-150 76"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.04

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04194.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 11.48 Date Analyzed: 06/18/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-151 83"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.08

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04201.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 4.38 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-151 83"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.08

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04201.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 4.38 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-151 83"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.08

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04201.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 4.38 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-152 83"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04203.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 5.29 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-152 83"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04203.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 5.29 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-152 83"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04203.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 5.29 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-153 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.16

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04205.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 6.49 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	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-153 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.16

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04205.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 6.49 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-153 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.16

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04205.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 6.49 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-154 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.20

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04207.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 5.46 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-154 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.20

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04207.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 5.46 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	800	U
1330-20-7	o-Xylene	540	U
100-42-5	Styrene	540	U
75-25-2	Bromoform	540	U
79-34-5	1,1,2,2-Tetrachloroethane	540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-154 94"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.20

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04207.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 5.46 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-155 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.24

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04209.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 5.31 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-155 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.24

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04209.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 5.31 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	800	U
1330-20-7	o-Xylene	540	U
100-42-5	Styrene	540	U
75-25-2	Bromoform	540	U
79-34-5	1,1,2,2-Tetrachloroethane	540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-155 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3658 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3658.24

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04209.D

Level: (low/med) MED Date Received: 06/17/98

% Moisture: not dec. 5.31 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-156 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.06

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04212.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 12.12 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3800	U
1634044	Methyl-tert-Butyl ether	880	U
108203	Di-isopropyl ether	590	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	880	U
74-83-9	Bromomethane	590	U
75-00-3	Chloroethane	880	U
75-69-4	Trichlorofluoromethane	590	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	590	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	590	U
156-60-5	trans-1,2-Dichloroethene	590	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	880	U
78-93-3	2-Butanone	880	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	590	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	590	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	590	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	590	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	590	U
79-00-5	1,1,2-Trichloroethane	590	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	590	U
126-48-1	Dibromochloromethane	590	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	590	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-156 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.06

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04212.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 12.12 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
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-156 82"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.06

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04212.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 12.12 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-157 74"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.10

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04214.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 10.65 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	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-157 74"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.10

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04214.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 10.65 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-157 74"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.10

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04214.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 10.65 Date Analyzed: 06/22/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-158 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.14

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04224.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 6.12 Date Analyzed: 06/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-158 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.14

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04224.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 6.12 Date Analyzed: 06/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-158 30"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.14

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04224.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 6.12 Date Analyzed: 06/23/98

GC Column: Rbx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-159 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.17

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04225.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 11.64 Date Analyzed: 06/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	860	U
108203	Di-isopropyl ether	570	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	860	U
74-83-9	Bromomethane	570	U
75-00-3	Chloroethane	860	U
75-69-4	Trichlorofluoromethane	570	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	570	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	570	U
156-60-5	trans-1,2-Dichloroethene	570	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	860	U
78-93-3	2-Butanone	860	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	570	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	570	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	570	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	570	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	570	U
79-00-5	1,1,2-Trichloroethane	570	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	570	U
126-48-1	Dibromochloromethane	570	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	570	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-159 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.17

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04225.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 11.64 Date Analyzed: 06/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	860	U
1330-20-7	o-Xylene	570	U
100-42-5	Styrene	570	U
75-25-2	Bromoform	570	U
79-34-5	1,1,2,2-Tetrachloroethane	570	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-160 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.20

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04226.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 11.12 Date Analyzed: 06/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	840	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	840	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	840	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	840	U
78-93-3	2-Butanone	840	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-160 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.20

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04226.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 11.12 Date Analyzed: 06/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

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-160 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.20

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04226.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 11.12 Date Analyzed: 06/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-161 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.23

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V04227.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 7.14 Date Analyzed: 06/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	850	U
108203	Di-isopropyl ether	570	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	850	U
74-83-9	Bromomethane	570	U
75-00-3	Chloroethane	850	U
75-69-4	Trichlorofluoromethane	570	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	570	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	570	U
156-60-5	trans-1,2-Dichloroethene	570	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	850	U
78-93-3	2-Butanone	850	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	570	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	570	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	570	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	570	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	570	U
79-00-5	1,1,2-Trichloroethane	570	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	570	U
126-48-1	Dibromochloromethane	570	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	570	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-161 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.23

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V04227.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 7.14 Date Analyzed: 06/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	850	U
1330-20-7	o-Xylene	570	U
100-42-5	Styrene	570	U
75-25-2	Bromoform	570	U
79-34-5	1,1,2,2-Tetrachloroethane	570	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-161 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.23

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V04227.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 7.14 Date Analyzed: 06/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.26

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04228.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 9.65 Date Analyzed: 06/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

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 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.26

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04228.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 9.65 Date Analyzed: 06/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3665 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3665.26

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04228.D

Level: (low/med) MED Date Received: 06/18/98

% Moisture: not dec. 9.65 Date Analyzed: 06/23/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-162 17"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04255.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 20.08 Date Analyzed: 07/08/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4100	U
1634044	Methyl-tert-Butyl ether	940	U
108203	Di-isopropyl ether	630	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	940	U
74-83-9	Bromomethane	630	U
75-00-3	Chloroethane	940	U
75-69-4	Trichlorofluoromethane	630	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	630	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	630	U
156-60-5	trans-1,2-Dichloroethene	630	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	940	U
78-93-3	2-Butanone	940	U
	cis-1,2-Dichloroethene	310	U
67-66-3	Chloroform	310	U
75-55-6	1,1,1-Trichloroethane	310	U
56-23-5	Carbon Tetrachloride	630	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	630	U
79-01-6	Trichloroethene	310	U
78-87-5	1,2-Dichloropropane	310	U
75-27-4	Bromodichloromethane	310	U
110-75-8	2-Chloroethyl vinyl ether	630	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	630	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	630	U
79-00-5	1,1,2-Trichloroethane	630	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	630	U
126-48-1	Dibromochloromethane	630	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	630	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-162 17"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04255.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 20.08 Date Analyzed: 07/08/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	940	U
1330-20-7	o-Xylene	630	U
100-42-5	Styrene	630	U
75-25-2	Bromoform	630	U
79-34-5	1,1,2,2-Tetrachloroethane	630	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-162 17"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04255.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 20.08 Date Analyzed: 07/08/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000124-18-5	Decane	31.88	1400	JN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-163 19"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.08

Sample wt/vol: 8.9 (g/ml) G Lab File ID: V04256.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 14.05 Date Analyzed: 07/08/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4200	U
1634044	Methyl-tert-Butyl ether	980	U
108203	Di-isopropyl ether	650	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	330	U
75-01-4	Vinyl Chloride	980	U
74-83-9	Bromomethane	650	U
75-00-3	Chloroethane	980	U
75-69-4	Trichlorofluoromethane	650	U
75-35-4	1,1-Dichloroethene	330	U
67-64-1	Acetone	650	U
75-15-0	Carbon Disulfide	330	U
75-09-2	Methylene Chloride	650	U
156-60-5	trans-1,2-Dichloroethene	650	U
75-35-3	1,1-Dichloroethane	330	U
108-05-4	Vinyl Acetate	980	U
78-93-3	2-Butanone	980	U
	cis-1,2-Dichloroethene	330	U
67-66-3	Chloroform	330	U
75-55-6	1,1,1-Trichloroethane	330	U
56-23-5	Carbon Tetrachloride	650	U
71-43-2	Benzene	330	U
107-06-2	1,2-Dichloroethane	650	U
79-01-6	Trichloroethene	330	U
78-87-5	1,2-Dichloropropane	330	U
75-27-4	Bromodichloromethane	330	U
110-75-8	2-Chloroethyl vinyl ether	650	U
10061-01-5	cis-1,3-Dichloropropene	330	U
108-10-1	4-Methyl-2-Pentanone	650	U
108-88-3	Toluene	330	U
10061-02-6	trans-1,3-Dichloropropene	650	U
79-00-5	1,1,2-Trichloroethane	650	U
127-18-4	Tetrachloroethene	330	U
591-78-6	2-Hexanone	650	U
126-48-1	Dibromochloromethane	650	U
108-90-7	Chlorobenzene	330	U
100-41-4	Ethylbenzene	650	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-163 19"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.08

Sample wt/vol: 8.9 (g/ml) G Lab File ID: V04256.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 14.05 Date Analyzed: 07/08/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	980	U
1330-20-7	o-Xylene	650	U
100-42-5	Styrene	650	U
75-25-2	Bromoform	650	U
79-34-5	1,1,2,2-Tetrachloroethane	650	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-163 19"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.08

Sample wt/vol: 8.9 (g/ml) G Lab File ID: V04256.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 14.05 Date Analyzed: 07/08/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-164 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04258.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 5.6 Date Analyzed: 07/08/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-164 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04258.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 5.6 Date Analyzed: 07/08/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	800	U
1330-20-7	o-Xylene	530	U
100-42-5	Styrene	530	U
75-25-2	Bromoform	530	U
79-34-5	1,1,2,2-Tetrachloroethane	530	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-164 36"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3686 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3686.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04258.D

Level: (low/med) MED Date Received: 06/26/98

% Moisture: not dec. 5.6 Date Analyzed: 07/08/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-165 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.04

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04261.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 8.02 Date Analyzed: 07/08/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3600	U
1634044	Methyl-tert-Butyl ether	840	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	840	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	840	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	840	U
78-93-3	2-Butanone	840	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-165 35"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.04

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04261.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 8.02 Date Analyzed: 07/08/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-166 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04268.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 12.64 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3600	U
1634044	Methyl-tert-Butyl ether	840	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	840	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	840	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	840	U
78-93-3	2-Butanone	840	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-166 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04268.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 12.64 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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-166 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04268.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 12.64 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-167 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.10

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04269.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 25.26 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4400	U
1634044	Methyl-tert-Butyl ether	1000	U
108203	Di-isopropyl ether	670	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	340	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	670	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	670	U
75-35-4	1,1-Dichloroethene	340	U
67-64-1	Acetone	670	U
75-15-0	Carbon Disulfide	340	U
75-09-2	Methylene Chloride	670	U
156-60-5	trans-1,2-Dichloroethene	670	U
75-35-3	1,1-Dichloroethane	340	U
108-05-4	Vinyl Acetate	1000	U
78-93-3	2-Butanone	1000	U
	cis-1,2-Dichloroethene	340	U
67-66-3	Chloroform	340	U
75-55-6	1,1,1-Trichloroethane	340	U
56-23-5	Carbon Tetrachloride	670	U
71-43-2	Benzene	340	U
107-06-2	1,2-Dichloroethane	670	U
79-01-6	Trichloroethene	340	U
78-87-5	1,2-Dichloropropane	340	U
75-27-4	Bromodichloromethane	340	U
110-75-8	2-Chloroethyl vinyl ether	670	U
10061-01-5	cis-1,3-Dichloropropene	340	U
108-10-1	4-Methyl-2-Pentanone	670	U
108-88-3	Toluene	340	U
10061-02-6	trans-1,3-Dichloropropene	670	U
79-00-5	1,1,2-Trichloroethane	670	U
127-18-4	Tetrachloroethene	3200	
591-78-6	2-Hexanone	670	U
126-48-1	Dibromochloromethane	670	U
108-90-7	Chlorobenzene	340	U
100-41-4	Ethylbenzene	670	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-167 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.10

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04269.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 25.26 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1000	U
1330-20-7	o-Xylene	670	U
100-42-5	Styrene	670	U
75-25-2	Bromoform	670	U
79-34-5	1,1,2,2-Tetrachloroethane	670	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-167 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.10

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04269.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 25.26 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-168 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.13

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04270.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 25.04 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2300	U
107131	Acrylonitrile	2300	U
75650	tert-Butyl alcohol	4300	U
1634044	Methyl-tert-Butyl ether	990	U
108203	Di-isopropyl ether	660	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	330	U
75-01-4	Vinyl Chloride	990	U
74-83-9	Bromomethane	660	U
75-00-3	Chloroethane	990	U
75-69-4	Trichlorofluoromethane	660	U
75-35-4	1,1-Dichloroethene	330	U
67-64-1	Acetone	660	U
75-15-0	Carbon Disulfide	330	U
75-09-2	Methylene Chloride	660	U
156-60-5	trans-1,2-Dichloroethene	660	U
75-35-3	1,1-Dichloroethane	330	U
108-05-4	Vinyl Acetate	990	U
78-93-3	2-Butanone	990	U
	cis-1,2-Dichloroethene	330	U
67-66-3	Chloroform	330	U
75-55-6	1,1,1-Trichloroethane	330	U
56-23-5	Carbon Tetrachloride	660	U
71-43-2	Benzene	330	U
107-06-2	1,2-Dichloroethane	660	U
79-01-6	Trichloroethene	330	U
78-87-5	1,2-Dichloropropane	330	U
75-27-4	Bromodichloromethane	330	U
110-75-8	2-Chloroethyl vinyl ether	660	U
10061-01-5	cis-1,3-Dichloropropene	330	U
108-10-1	4-Methyl-2-Pentanone	660	U
108-88-3	Toluene	330	U
10061-02-6	trans-1,3-Dichloropropene	660	U
79-00-5	1,1,2-Trichloroethane	660	U
127-18-4	Tetrachloroethene	330	U
591-78-6	2-Hexanone	660	U
126-48-1	Dibromochloromethane	660	U
108-90-7	Chlorobenzene	330	U
100-41-4	Ethylbenzene	660	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-168 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.13

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04270.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 25.04 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	990	U
1330-20-7	o-Xylene	660	U
100-42-5	Styrene	660	U
75-25-2	Bromoform	660	U
79-34-5	1,1,2,2-Tetrachloroethane	660	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-168 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.13

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04270.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 25.04 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-169 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04271.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 23.56 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2400	U
107131	Acrylonitrile	2400	U
75650	tert-Butyl alcohol	4400	U
1634044	Methyl-tert-Butyl ether	1000	U
108203	Di-isopropyl ether	670	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	340	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	670	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	670	U
75-35-4	1,1-Dichloroethene	340	U
67-64-1	Acetone	670	U
75-15-0	Carbon Disulfide	340	U
75-09-2	Methylene Chloride	670	U
156-60-5	trans-1,2-Dichloroethene	670	U
75-35-3	1,1-Dichloroethane	340	U
108-05-4	Vinyl Acetate	1000	U
78-93-3	2-Butanone	1000	U
	cis-1,2-Dichloroethene	340	U
67-66-3	Chloroform	340	U
75-55-6	1,1,1-Trichloroethane	340	U
56-23-5	Carbon Tetrachloride	670	U
71-43-2	Benzene	340	U
107-06-2	1,2-Dichloroethane	670	U
79-01-6	Trichloroethene	340	U
78-87-5	1,2-Dichloropropane	340	U
75-27-4	Bromodichloromethane	340	U
110-75-8	2-Chloroethyl vinyl ether	670	U
10061-01-5	cis-1,3-Dichloropropene	340	U
108-10-1	4-Methyl-2-Pentanone	670	U
108-88-3	Toluene	340	U
10061-02-6	trans-1,3-Dichloropropene	670	U
79-00-5	1,1,2-Trichloroethane	670	U
127-18-4	Tetrachloroethene	340	U
591-78-6	2-Hexanone	670	U
126-48-1	Dibromochloromethane	670	U
108-90-7	Chlorobenzene	340	U
100-41-4	Ethylbenzene	670	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-169 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04271.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 23.56 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1000	U
1330-20-7	o-Xylene	670	U
100-42-5	Styrene	670	U
75-25-2	Bromoform	670	U
79-34-5	1,1,2,2-Tetrachloroethane	670	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-169 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3688 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3688.16

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04271.D

Level: (low/med) MED Date Received: 06/29/98

% Moisture: not dec. 23.56 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-170 47"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3697 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3697.04

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04276.D

Level: (low/med) MED Date Received: 07/06/98

% Moisture: not dec. 11.78 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	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-170 47"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3697 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3697.04

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04276.D

Level: (low/med) MED Date Received: 07/06/98

% Moisture: not dec. 11.78 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-170 47"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3697 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3697.04

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04276.D

Level: (low/med) MED Date Received: 07/06/98

% Moisture: not dec. 11.78 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-171 58"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3697 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3697.08

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04278.D

Level: (low/med) MED Date Received: 07/06/98

% Moisture: not dec. 4.48 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-171 58"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3697 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3697.08

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04278.D

Level: (low/med) MED Date Received: 07/06/98

% Moisture: not dec. 4.48 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-171 58"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3697 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3697.08

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04278.D

Level: (low/med) MED Date Received: 07/06/98

% Moisture: not dec. 4.48 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-172 58"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3697 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3697.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04280.D

Level: (low/med) MED Date Received: 07/06/98

% Moisture: not dec. 3.71 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-172 58"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3697 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3697.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04280.D

Level: (low/med) MED Date Received: 07/06/98

% Moisture: not dec. 3.71 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-172 58"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3697 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3697.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04280.D

Level: (low/med) MED Date Received: 07/06/98

% Moisture: not dec. 3.71 Date Analyzed: 07/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-173 58"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3697 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3697.16

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04323.D

Level: (low/med) MED Date Received: 07/06/98

% Moisture: not dec. 4.39 Date Analyzed: 07/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	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-173 58"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3697 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3697.16

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04323.D

Level: (low/med) MED Date Received: 07/06/98

% Moisture: not dec. 4.39 Date Analyzed: 07/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-173 58"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3697 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3697.16

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04323.D

Level: (low/med) MED Date Received: 07/06/98

% Moisture: not dec. 4.39 Date Analyzed: 07/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-174 45"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3714 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3714.06

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04328.D

Level: (low/med) MED Date Received: 07/09/98

% Moisture: not dec. 18.31 Date Analyzed: 07/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4000	U
1634044	Methyl-tert-Butyl ether	920	U
108203	Di-isopropyl ether	610	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	920	U
74-83-9	Bromomethane	610	U
75-00-3	Chloroethane	920	U
75-69-4	Trichlorofluoromethane	610	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	610	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	610	U
156-60-5	trans-1,2-Dichloroethene	610	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	920	U
78-93-3	2-Butanone	920	U
	cis-1,2-Dichloroethene	310	U
67-66-3	Chloroform	310	U
75-55-6	1,1,1-Trichloroethane	310	U
56-23-5	Carbon Tetrachloride	610	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	610	U
79-01-6	Trichloroethene	310	U
78-87-5	1,2-Dichloropropane	310	U
75-27-4	Bromodichloromethane	310	U
110-75-8	2-Chloroethyl vinyl ether	610	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	610	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	610	U
79-00-5	1,1,2-Trichloroethane	610	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	610	U
126-48-1	Dibromochloromethane	610	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	610	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-174 45"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3714 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3714.06

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04328.D

Level: (low/med) MED Date Received: 07/09/98

% Moisture: not dec. 18.31 Date Analyzed: 07/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-174 45"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3714 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3714.06

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04328.D

Level: (low/med) MED Date Received: 07/09/98

% Moisture: not dec. 18.31 Date Analyzed: 07/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-175 47"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3714 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3714.10

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04330.D

Level: (low/med) MED Date Received: 07/09/98

% Moisture: not dec. 4.45 Date Analyzed: 07/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		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-175 47"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3714 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3714.10

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04330.D

Level: (low/med) MED Date Received: 07/09/98

% Moisture: not dec. 4.45 Date Analyzed: 07/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-175 47"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3714 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3714.10

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04330.D

Level: (low/med) MED Date Received: 07/09/98

% Moisture: not dec. 4.45 Date Analyzed: 07/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-176 83"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.06

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04333.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.22 Date Analyzed: 07/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-176 83"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.06

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04333.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.22 Date Analyzed: 07/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-176 83"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.06

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04333.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.22 Date Analyzed: 07/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-177 83"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.10

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04335.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.32 Date Analyzed: 07/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	790	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	790	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	790	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	790	U
78-93-3	2-Butanone	790	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-177 83"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.10

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04335.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.32 Date Analyzed: 07/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	790	U
1330-20-7	o-Xylene	520	U
100-42-5	Styrene	520	U
75-25-2	Bromoform	520	U
79-34-5	1,1,2,2-Tetrachloroethane	520	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-177 83"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.10

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04335.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.32 Date Analyzed: 07/17/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-178 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04341.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 3.26 Date Analyzed: 07/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-178 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04341.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 3.26 Date Analyzed: 07/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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-178 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.13

Sample wt/vol: 9.9 (g/ml) G Lab File ID: V04341.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 3.26 Date Analyzed: 07/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-179 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.16

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04342.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 8.9 Date Analyzed: 07/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-179 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.16

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04342.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 8.9 Date Analyzed: 07/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	810	U
1330-20-7	o-Xylene	540	U
100-42-5	Styrene	540	U
75-25-2	Bromoform	540	U
79-34-5	1,1,2,2-Tetrachloroethane	540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-179 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.16

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04342.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 8.9 Date Analyzed: 07/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-180 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.19

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04343.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.97 Date Analyzed: 07/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-180 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.19

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04343.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.97 Date Analyzed: 07/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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-180 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.19

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04343.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.97 Date Analyzed: 07/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-181 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.22

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04344.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 11.04 Date Analyzed: 07/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	840	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	840	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	840	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	840	U
78-93-3	2-Butanone	840	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-181 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.22

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04344.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 11.04 Date Analyzed: 07/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	840	U
1330-20-7	o-Xylene	560	U
100-42-5	Styrene	560	U
75-25-2	Bromoform	560	U
79-34-5	1,1,2,2-Tetrachloroethane	560	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-181 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.22

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04344.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 11.04 Date Analyzed: 07/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.25

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04345.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.74 Date Analyzed: 07/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	820	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	820	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	820	U
78-93-3	2-Butanone	820	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.25

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04345.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.74 Date Analyzed: 07/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	820	U
1330-20-7	o-Xylene	540	U
100-42-5	Styrene	540	U
75-25-2	Bromoform	540	U
79-34-5	1,1,2,2-Tetrachloroethane	540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Field Dup 24"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3722 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3722.25

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04345.D

Level: (low/med) MED Date Received: 07/13/98

% Moisture: not dec. 4.74 Date Analyzed: 07/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-182 73"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3790 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3790.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04456.D

Level: (low/med) MED Date Received: 08/06/98

% Moisture: not dec. 8.63 Date Analyzed: 08/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-182 73"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3790 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3790.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04456.D

Level: (low/med) MED Date Received: 08/06/98

% Moisture: not dec. 8.63 Date Analyzed: 08/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-182 73"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3790 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3790.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04456.D

Level: (low/med) MED Date Received: 08/06/98

% Moisture: not dec. 8.63 Date Analyzed: 08/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-183 73"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3790 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3790.08

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04458.D

Level: (low/med) MED Date Received: 08/06/98

% Moisture: not dec. 7.43 Date Analyzed: 08/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	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-183 73"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3790 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3790.08

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04458.D

Level: (low/med) MED Date Received: 08/06/98

% Moisture: not dec. 7.43 Date Analyzed: 08/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-183 73"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3790 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3790.08

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04458.D

Level: (low/med) MED Date Received: 08/06/98

% Moisture: not dec. 7.43 Date Analyzed: 08/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-184 78"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3790 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3790.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04460.D

Level: (low/med) MED Date Received: 08/06/98

% Moisture: not dec. 8.79 Date Analyzed: 08/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	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-184 78"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3790 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3790.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04460.D

Level: (low/med) MED Date Received: 08/06/98

% Moisture: not dec. 8.79 Date Analyzed: 08/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-184 78"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3790 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3790.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04460.D

Level: (low/med) MED Date Received: 08/06/98

% Moisture: not dec. 8.79 Date Analyzed: 08/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-185 73"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3790 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3790.16

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V04462.D

Level: (low/med) MED Date Received: 08/06/98

% Moisture: not dec. 3.11 Date Analyzed: 08/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-185 73"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3790 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3790.16

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V04462.D

Level: (low/med) MED Date Received: 08/06/98

% Moisture: not dec. 3.11 Date Analyzed: 08/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-185 73"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3790 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3790.16

Sample wt/vol: 9.6 (g/ml) G Lab File ID: V04462.D

Level: (low/med) MED Date Received: 08/06/98

% Moisture: not dec. 3.11 Date Analyzed: 08/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-186 73"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3791 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3791.04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04465.D

Level: (low/med) MED Date Received: 08/07/98

% Moisture: not dec. 4.01 Date Analyzed: 08/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-186 73"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3791 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3791.04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04465.D

Level: (low/med) MED Date Received: 08/07/98

% Moisture: not dec. 4.01 Date Analyzed: 08/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-186 73"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3791 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3791.04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04465.D

Level: (low/med) MED Date Received: 08/07/98

% Moisture: not dec. 4.01 Date Analyzed: 08/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-187 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3791 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3791.08

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04467.D

Level: (low/med) MED Date Received: 08/07/98

% Moisture: not dec. 11.39 Date Analyzed: 08/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
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-187 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3791 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3791.08

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04467.D

Level: (low/med) MED Date Received: 08/07/98

% Moisture: not dec. 11.39 Date Analyzed: 08/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-187 80"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3791 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3791.08

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04467.D

Level: (low/med) MED Date Received: 08/07/98

% Moisture: not dec. 11.39 Date Analyzed: 08/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-188

Lab Name: FMETL NJDEP # 13561

Project: 980932 Case No.: 3804 SDG No: _____ Location: 116

Matrix: (soil/water) SOIL Lab Sample ID: 3791.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB01257.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 14.94 Date Analyzed: 08/19/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	890	U
108203	Di-isopropyl ether	590	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	890	U
74-83-9	Bromomethane	590	U
75-00-3	Chloroethane	890	U
75-69-4	Trichlorofluoromethane	590	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	590	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	590	U
156-60-5	trans-1,2-Dichloroethene	590	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	890	U
78-93-3	2-Butanone	890	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	440	
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-188

Lab Name: FMETL NJDEP # 13561

Project: 980932 Case No.: 3804 SDG No: Location: 116

Matrix: (soil/water) SOIL Lab Sample ID: 3791.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB01257.D

Level: (low/med) MED Date Received: 08/12/98

% Moisture: not dec. 14.94 Date Analyzed: 08/19/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	890	U
1330-20-7	o-Xylene	590	U
100-42-5	Styrene	590	U
75-25-2	Bromoform	590	U
79-34-5	1,1,2,2-Tetrachloroethane	590	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-188

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3791 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3791.12

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB01257.D

Level: (low/med) MED Date Received: 08/07/98

% Moisture: not dec. 14.94 Date Analyzed: 08/19/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-189 78"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3797 SDG No: . Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3797.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB01262.D

Level: (low/med) MED Date Received: 08/10/98

% Moisture: not dec. 8.19 Date Analyzed: 08/19/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	500	
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-189 78"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3797 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3797.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB01262.D

Level: (low/med) MED Date Received: 08/10/98

% Moisture: not dec. 8.19 Date Analyzed: 08/19/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-189 78"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3797 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3797.06

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB01262.D

Level: (low/med) MED Date Received: 08/10/98

% Moisture: not dec. 8.19 Date Analyzed: 08/19/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-190 78"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3797 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3797.10

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB01264.D

Level: (low/med) MED Date Received: 08/10/98

% Moisture: not dec. 4.18 Date Analyzed: 08/19/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	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	480	
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-190 78"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3797 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3797.10

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB01264.D

Level: (low/med) MED Date Received: 08/10/98

% Moisture: not dec. 4.18 Date Analyzed: 08/19/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-190 78"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3797 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3797.10

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB01264.D

Level: (low/med) MED Date Received: 08/10/98

% Moisture: not dec. 4.18 Date Analyzed: 08/19/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-191 78"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3797 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3797.14

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01266.D

Level: (low/med) MED Date Received: 08/10/98

% Moisture: not dec. 4.75 Date Analyzed: 08/20/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3300	U
1634044	Methyl-tert-Butyl ether	760	U
108203	Di-isopropyl ether	510	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	760	U
74-83-9	Bromomethane	510	U
75-00-3	Chloroethane	760	U
75-69-4	Trichlorofluoromethane	510	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	510	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	510	U
156-60-5	trans-1,2-Dichloroethene	510	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	760	U
78-93-3	2-Butanone	760	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	410	
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-191 78"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3797 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3797.14

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01266.D

Level: (low/med) MED Date Received: 08/10/98

% Moisture: not dec. 4.75 Date Analyzed: 08/20/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	760	U
1330-20-7	o-Xylene	510	U
100-42-5	Styrene	510	U
75-25-2	Bromoform	510	U
79-34-5	1,1,2,2-Tetrachloroethane	510	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-191 78"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3797 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3797.14

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01266.D

Level: (low/med) MED Date Received: 08/10/98

% Moisture: not dec. 4.75 Date Analyzed: 08/20/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-192 78"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3797 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3797.18

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB01277.D

Level: (low/med) MED Date Received: 08/10/98

% Moisture: not dec. 4.03 Date Analyzed: 08/21/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3300	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	390	
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-192 78"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3797 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3797.18

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB01277.D

Level: (low/med) MED Date Received: 08/10/98

% Moisture: not dec. 4.03 Date Analyzed: 08/21/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-192 78"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3797 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3797.18

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB01277.D

Level: (low/med) MED Date Received: 08/10/98

% Moisture: not dec. 4.03 Date Analyzed: 08/21/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-193 36"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3797 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3797.22

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB01279.D

Level: (low/med) MED Date Received: 08/10/98

% Moisture: not dec. 6.59 Date Analyzed: 08/21/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	380	
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-193 36"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3797 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3797.22

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB01279.D

Level: (low/med) MED Date Received: 08/10/98

% Moisture: not dec. 6.59 Date Analyzed: 08/21/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-193 36"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3797 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3797.22

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB01279.D

Level: (low/med) MED Date Received: 08/10/98

% Moisture: not dec. 6.59 Date Analyzed: 08/21/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-194 72"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3803 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3803.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB01282.D

Level: (low/med) MED Date Received: 08/11/98

% Moisture: not dec. 3.75 Date Analyzed: 08/21/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3300	U
1634044	Methyl-tert-Butyl ether	760	U
108203	Di-isopropyl ether	510	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	760	U
74-83-9	Bromomethane	510	U
75-00-3	Chloroethane	760	U
75-69-4	Trichlorofluoromethane	510	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	510	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	510	U
156-60-5	trans-1,2-Dichloroethene	510	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	760	U
78-93-3	2-Butanone	760	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	300	
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-194 72"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3803 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3803.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB01282.D

Level: (low/med) MED Date Received: 08/11/98

% Moisture: not dec. 3.75 Date Analyzed: 08/21/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	760	U
1330-20-7	o-Xylene	510	U
100-42-5	Styrene	510	U
75-25-2	Bromoform	510	U
79-34-5	1,1,2,2-Tetrachloroethane	510	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-194 72"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3803 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3803.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB01282.D

Level: (low/med) MED Date Received: 08/11/98

% Moisture: not dec. 3.75 Date Analyzed: 08/21/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-195 82"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3803 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3803.08

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB01284.D

Level: (low/med) MED Date Received: 08/11/98

% Moisture: not dec. 18.3 Date Analyzed: 08/21/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	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	590	U
156-60-5	trans-1,2-Dichloroethene	590	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	890	U
78-93-3	2-Butanone	890	U
	cis-1,2-Dichloroethene	770	
67-66-3	Chloroform	450	
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	590	U
71-43-2	Benzene	380	
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	1800	
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-195 82"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3803 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3803.08

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB01284.D

Level: (low/med) MED Date Received: 08/11/98

% Moisture: not dec. 18.3 Date Analyzed: 08/21/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	890	U
1330-20-7	o-Xylene	590	U
100-42-5	Styrene	590	U
75-25-2	Bromoform	590	U
79-34-5	1,1,2,2-Tetrachloroethane	590	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-195 82"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3803 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3803.08

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB01284.D

Level: (low/med) MED Date Received: 08/11/98

% Moisture: not dec. 18.3 Date Analyzed: 08/21/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-196 82"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3803 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3803.12

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB01286.D

Level: (low/med) MED Date Received: 08/11/98

% Moisture: not dec. 18.02 Date Analyzed: 08/21/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	910	U
108203	Di-isopropyl ether	600	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	910	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	910	U
75-69-4	Trichlorofluoromethane	600	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	600	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	600	U
156-60-5	trans-1,2-Dichloroethene	600	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	910	U
78-93-3	2-Butanone	910	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	490	
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-274 112"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3875 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3875.12

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01526.D

Level: (low/med) MED Date Received: 09/11/98

% Moisture: not dec. 4.33 Date Analyzed: 09/16/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	760	U
1330-20-7	o-Xylene	510	U
100-42-5	Styrene	510	U
75-25-2	Bromoform	510	U
79-34-5	1,1,2,2-Tetrachloroethane	510	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-274 112"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3875 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3875.12

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB01526.D

Level: (low/med) MED Date Received: 09/11/98

% Moisture: not dec. 4.33 Date Analyzed: 09/16/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup 88"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3875 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3875.16

Sample wt/vol: 10.7 (g/ml) G Lab File ID: VB01551.D

Level: (low/med) MED Date Received: 09/11/98

% Moisture: not dec. 16.38 Date Analyzed: 09/17/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3600	U
1634044	Methyl-tert-Butyl ether	840	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	840	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	840	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	840	U
78-93-3	2-Butanone	840	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	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	320	
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.

Field Dup 88"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3875 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3875.16

Sample wt/vol: 10.7 (g/ml) G Lab File ID: VB01551.D

Level: (low/med) MED Date Received: 09/11/98

% Moisture: not dec. 16.38 Date Analyzed: 09/17/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	840	U
1330-20-7	o-Xylene	560	U
100-42-5	Styrene	560	U
75-25-2	Bromoform	560	U
79-34-5	1,1,2,2-Tetrachloroethane	560	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Field Dup 88"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3875 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3875.16

Sample wt/vol: 10.7 (g/ml) G Lab File ID: VB01551.D

Level: (low/med) MED Date Received: 09/11/98

% Moisture: not dec. 16.38 Date Analyzed: 09/17/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-275 130"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3878 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3878.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB01557.D

Level: (low/med) MED Date Received: 09/14/98

% Moisture: not dec. 20.72 Date Analyzed: 09/17/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	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-275 130"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3878 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3878.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB01557.D

Level: (low/med) MED Date Received: 09/14/98

% Moisture: not dec. 20.72 Date Analyzed: 09/17/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	980	U
1330-20-7	o-Xylene	650	U
100-42-5	Styrene	650	U
75-25-2	Bromoform	650	U
79-34-5	1,1,2,2-Tetrachloroethane	650	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-275 130"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3878 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3878.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB01557.D

Level: (low/med) MED Date Received: 09/14/98

% Moisture: not dec. 20.72 Date Analyzed: 09/17/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-276 130"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3878 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3878.08

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB01559.D

Level: (low/med) MED Date Received: 09/14/98

% Moisture: not dec. 14.23 Date Analyzed: 09/17/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	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-276 130"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3878 SDG No: Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3878.08

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB01559.D

Level: (low/med) MED Date Received: 09/14/98

% Moisture: not dec. 14.23 Date Analyzed: 09/17/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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-276 130"

Lab Name: FMETL NJDEP # 13561

Project: 980211 Case No.: 3878 SDG No: _____ Location: M-5

Matrix (soil/water) SOIL Lab Sample ID: 3878.08

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB01559.D

Level: (low/med) MED Date Received: 09/14/98

% Moisture: not dec. 14.23 Date Analyzed: 09/17/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-277 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3880 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3880.05

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04662.D

Level: (low/med) MED Date Received: 09/16/98

% Moisture: not dec. 12.97 Date Analyzed: 09/28/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	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-277 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3880 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3880.05

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04662.D

Level: (low/med) MED Date Received: 09/16/98

% Moisture: not dec. 12.97 Date Analyzed: 09/28/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-277 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3880 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3880.05

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04662.D

Level: (low/med) MED Date Received: 09/16/98

% Moisture: not dec. 12.97 Date Analyzed: 09/28/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-278 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3880 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3880.09

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04664.D

Level: (low/med) MED Date Received: 09/16/98

% Moisture: not dec. 14.85 Date Analyzed: 09/28/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	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-278 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3880 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3880.09

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04664.D

Level: (low/med) MED Date Received: 09/16/98

% Moisture: not dec. 14.85 Date Analyzed: 09/28/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-278 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3880 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3880.09

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04664.D

Level: (low/med) MED Date Received: 09/16/98

% Moisture: not dec. 14.85 Date Analyzed: 09/28/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-279 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3880 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3880.13

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04666.D

Level: (low/med) MED Date Received: 09/16/98

% Moisture: not dec. 24.12 Date Analyzed: 09/28/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2400	U
107131	Acrylonitrile	2400	U
75650	tert-Butyl alcohol	4400	U
1634044	Methyl-tert-Butyl ether	1000	U
108203	Di-isopropyl ether	680	U
	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	340	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	680	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	680	U
75-35-4	1,1-Dichloroethene	340	U
67-64-1	Acetone	680	U
75-15-0	Carbon Disulfide	340	U
75-09-2	Methylene Chloride	680	U
156-60-5	trans-1,2-Dichloroethene	680	U
75-35-3	1,1-Dichloroethane	340	U
108-05-4	Vinyl Acetate	1000	U
78-93-3	2-Butanone	1000	U
	cis-1,2-Dichloroethene	340	U
67-66-3	Chloroform	340	U
75-55-6	1,1,1-Trichloroethane	340	U
56-23-5	Carbon Tetrachloride	680	U
71-43-2	Benzene	340	U
107-06-2	1,2-Dichloroethane	680	U
79-01-6	Trichloroethene	340	U
78-87-5	1,2-Dichloropropane	340	U
75-27-4	Bromodichloromethane	340	U
110-75-8	2-Chloroethyl vinyl ether	680	U
10061-01-5	cis-1,3-Dichloropropene	340	U
108-10-1	4-Methyl-2-Pentanone	680	U
108-88-3	Toluene	340	U
10061-02-6	trans-1,3-Dichloropropene	680	U
79-00-5	1,1,2-Trichloroethane	680	U
127-18-4	Tetrachloroethene	340	U
591-78-6	2-Hexanone	680	U
126-48-1	Dibromochloromethane	680	U
108-90-7	Chlorobenzene	340	U
100-41-4	Ethylbenzene	680	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-279 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3880 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3880.13

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04666.D

Level: (low/med) MED Date Received: 09/16/98

% Moisture: not dec. 24.12 Date Analyzed: 09/28/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1000	U
1330-20-7	o-Xylene	680	U
100-42-5	Styrene	680	U
75-25-2	Bromoform	680	U
79-34-5	1,1,2,2-Tetrachloroethane	680	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-279 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3880 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3880.13

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04666.D

Level: (low/med) MED Date Received: 09/16/98

% Moisture: not dec. 24.12 Date Analyzed: 09/28/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-280 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3880 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3880.17

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04668.D

Level: (low/med) MED Date Received: 09/16/98

% Moisture: not dec. 28.42 Date Analyzed: 09/28/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2400	U
107131	Acrylonitrile	2400	U
75650	tert-Butyl alcohol	4400	U
1634044	Methyl-tert-Butyl ether	1000	U
108203	Di-isopropyl ether	680	U
	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	340	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	680	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	680	U
75-35-4	1,1-Dichloroethene	340	U
67-64-1	Acetone	680	U
75-15-0	Carbon Disulfide	340	U
75-09-2	Methylene Chloride	680	U
156-60-5	trans-1,2-Dichloroethene	680	U
75-35-3	1,1-Dichloroethane	340	U
108-05-4	Vinyl Acetate	1000	U
78-93-3	2-Butanone	1000	U
	cis-1,2-Dichloroethene	340	U
67-66-3	Chloroform	340	U
75-55-6	1,1,1-Trichloroethane	340	U
56-23-5	Carbon Tetrachloride	680	U
71-43-2	Benzene	340	U
107-06-2	1,2-Dichloroethane	680	U
79-01-6	Trichloroethene	340	U
78-87-5	1,2-Dichloropropane	340	U
75-27-4	Bromodichloromethane	340	U
110-75-8	2-Chloroethyl vinyl ether	680	U
10061-01-5	cis-1,3-Dichloropropene	340	U
108-10-1	4-Methyl-2-Pentanone	680	U
108-88-3	Toluene	340	U
10061-02-6	trans-1,3-Dichloropropene	680	U
79-00-5	1,1,2-Trichloroethane	680	U
127-18-4	Tetrachloroethene	340	U
591-78-6	2-Hexanone	680	U
126-48-1	Dibromochloromethane	680	U
108-90-7	Chlorobenzene	340	U
100-41-4	Ethylbenzene	680	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-280 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3880 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3880.17

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04668.D

Level: (low/med) MED Date Received: 09/16/98

% Moisture: not dec. 28.42 Date Analyzed: 09/28/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	1000	U
1330-20-7	o-Xylene	680	U
100-42-5	Styrene	680	U
75-25-2	Bromoform	680	U
79-34-5	1,1,2,2-Tetrachloroethane	680	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-280 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3880 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3880.17

Sample wt/vol: 10.3 (g/ml) G Lab File ID: V04668.D

Level: (low/med) MED Date Received: 09/16/98

% Moisture: not dec. 28.42 Date Analyzed: 09/28/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-281 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04671.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 21.91 Date Analyzed: 09/28/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4200	U
1634044	Methyl-tert-Butyl ether	960	U
108203	Di-isopropyl ether	640	U
	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	320	U
75-01-4	Vinyl Chloride	960	U
74-83-9	Bromomethane	640	U
75-00-3	Chloroethane	960	U
75-69-4	Trichlorofluoromethane	640	U
75-35-4	1,1-Dichloroethene	320	U
67-64-1	Acetone	640	U
75-15-0	Carbon Disulfide	320	U
75-09-2	Methylene Chloride	640	U
156-60-5	trans-1,2-Dichloroethene	640	U
75-35-3	1,1-Dichloroethane	320	U
108-05-4	Vinyl Acetate	960	U
78-93-3	2-Butanone	960	U
	cis-1,2-Dichloroethene	320	U
67-66-3	Chloroform	320	U
75-55-6	1,1,1-Trichloroethane	320	U
56-23-5	Carbon Tetrachloride	640	U
71-43-2	Benzene	320	U
107-06-2	1,2-Dichloroethane	640	U
79-01-6	Trichloroethene	320	U
78-87-5	1,2-Dichloropropane	320	U
75-27-4	Bromodichloromethane	320	U
110-75-8	2-Chloroethyl vinyl ether	640	U
10061-01-5	cis-1,3-Dichloropropene	320	U
108-10-1	4-Methyl-2-Pentanone	640	U
108-88-3	Toluene	320	U
10061-02-6	trans-1,3-Dichloropropene	640	U
79-00-5	1,1,2-Trichloroethane	640	U
127-18-4	Tetrachloroethene	320	U
591-78-6	2-Hexanone	640	U
126-48-1	Dibromochloromethane	640	U
108-90-7	Chlorobenzene	320	U
100-41-4	Ethylbenzene	640	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-281 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04671.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 21.91 Date Analyzed: 09/28/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	960	U
1330-20-7	o-Xylene	640	U
100-42-5	Styrene	640	U
75-25-2	Bromoform	640	U
79-34-5	1,1,2,2-Tetrachloroethane	640	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-281 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.04

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04671.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 21.91 Date Analyzed: 09/28/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-282 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.08

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04680.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 13.58 Date Analyzed: 09/29/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	900	U
108203	Di-isopropyl ether	600	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	900	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	900	U
75-69-4	Trichlorofluoromethane	600	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	600	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	600	U
156-60-5	trans-1,2-Dichloroethene	600	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	900	U
78-93-3	2-Butanone	900	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	600	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	600	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	600	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	600	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	600	U
79-00-5	1,1,2-Trichloroethane	600	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	600	U
126-48-1	Dibromochloromethane	600	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	600	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-282 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.08

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04680.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 13.58 Date Analyzed: 09/29/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-282 142"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.08

Sample wt/vol: 9.7 (g/ml) G Lab File ID: V04680.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 13.58 Date Analyzed: 09/29/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-283 48"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04682.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 14.69 Date Analyzed: 09/29/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	900	U
108203	Di-isopropyl ether	600	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	900	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	900	U
75-69-4	Trichlorofluoromethane	600	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	600	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	600	U
156-60-5	trans-1,2-Dichloroethene	600	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	900	U
78-93-3	2-Butanone	900	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	600	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	600	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	600	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	600	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	600	U
79-00-5	1,1,2-Trichloroethane	600	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	600	U
126-48-1	Dibromochloromethane	600	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	600	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-283 48"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04682.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 14.69 Date Analyzed: 09/29/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-283 48"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.12

Sample wt/vol: 9.8 (g/ml) G Lab File ID: V04682.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 14.69 Date Analyzed: 09/29/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-284 48"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.16

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04684.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 7.4 Date Analyzed: 09/29/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-284 48"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.16

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04684.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 7.4 Date Analyzed: 09/29/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-284 48"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.16

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04684.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 7.4 Date Analyzed: 09/29/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-285 48"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.20

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04686.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 14.09 Date Analyzed: 09/29/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3600	U
1634044	Methyl-tert-Butyl ether	840	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	840	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	840	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	840	U
78-93-3	2-Butanone	840	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-285 48"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.20

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04686.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 14.09 Date Analyzed: 09/29/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-285 48"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.20

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04686.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 14.09 Date Analyzed: 09/29/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-286 48"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.24

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04688.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 11.45 Date Analyzed: 09/29/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	850	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	850	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	850	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	850	U
78-93-3	2-Butanone	850	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-286 48"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.24

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04688.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 11.45 Date Analyzed: 09/29/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	850	U
1330-20-7	o-Xylene	560	U
100-42-5	Styrene	560	U
75-25-2	Bromoform	560	U
79-34-5	1,1,2,2-Tetrachloroethane	560	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

B-286 48"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3883 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3883.24

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04688.D

Level: (low/med) MED Date Received: 09/17/98

% Moisture: not dec. 11.45 Date Analyzed: 09/29/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-287 87"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3889 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3889.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04698.D

Level: (low/med) MED Date Received: 09/18/98

% Moisture: not dec. 11.9 Date Analyzed: 09/30/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	U
1634044	Methyl-tert-Butyl ether	830	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	830	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	830	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	830	U
78-93-3	2-Butanone	830	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-287 87"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3889 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3889.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04698.D

Level: (low/med) MED Date Received: 09/18/98

% Moisture: not dec. 11.9 Date Analyzed: 09/30/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-287 87"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3889 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3889.04

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04698.D

Level: (low/med) MED Date Received: 09/18/98

% Moisture: not dec. 11.9 Date Analyzed: 09/30/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-288 87"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3889 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3889.08

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04700.D

Level: (low/med) MED Date Received: 09/18/98

% Moisture: not dec. 4.13 Date Analyzed: 09/30/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B-288 87"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3889 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3889.08

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04700.D

Level: (low/med) MED Date Received: 09/18/98

% Moisture: not dec. 4.13 Date Analyzed: 09/30/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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-288 87"

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3889 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3889.08

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04700.D

Level: (low/med) MED Date Received: 09/18/98

% Moisture: not dec. 4.13 Date Analyzed: 09/30/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

289

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3965 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3965.02

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04819.D

Level: (low/med) MED Date Received: 10/07/98

% Moisture: not dec. 4.17 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	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.

289

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3965 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3965.02

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04819.D

Level: (low/med) MED Date Received: 10/07/98

% Moisture: not dec. 4.17 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	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.

289

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3965 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3965.02

Sample wt/vol: 10.1 (g/ml) G Lab File ID: V04819.D

Level: (low/med) MED Date Received: 10/07/98

% Moisture: not dec. 4.17 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

290

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3965 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3965.04

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V04820.D

Level: (low/med) MED Date Received: 10/07/98

% Moisture: not dec. 23.86 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4000	U
1634044	Methyl-tert-Butyl ether	920	U
108203	Di-isopropyl ether	620	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	920	U
74-83-9	Bromomethane	620	U
75-00-3	Chloroethane	920	U
75-69-4	Trichlorofluoromethane	620	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	620	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	620	U
156-60-5	trans-1,2-Dichloroethene	620	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	920	U
78-93-3	2-Butanone	920	U
	cis-1,2-Dichloroethene	310	U
67-66-3	Chloroform	310	U
75-55-6	1,1,1-Trichloroethane	310	U
56-23-5	Carbon Tetrachloride	620	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	620	U
79-01-6	Trichloroethene	310	U
78-87-5	1,2-Dichloropropane	310	U
75-27-4	Bromodichloromethane	310	U
110-75-8	2-Chloroethyl vinyl ether	620	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	620	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	620	U
79-00-5	1,1,2-Trichloroethane	620	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	620	U
126-48-1	Dibromochloromethane	620	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	620	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

290

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3965 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3965.04

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V04820.D

Level: (low/med) MED Date Received: 10/07/98

% Moisture: not dec. 23.86 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	920	U
1330-20-7	o-Xylene	620	U
100-42-5	Styrene	620	U
75-25-2	Bromoform	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

290

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3965 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3965.04

Sample wt/vol: 10.7 (g/ml) G Lab File ID: V04820.D

Level: (low/med) MED Date Received: 10/07/98

% Moisture: not dec. 23.86 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

291

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3965 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3965.06

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04850.D

Level: (low/med) MED Date Received: 10/07/98

% Moisture: not dec. 12.97 Date Analyzed: 10/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	820	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	820	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	820	U
78-93-3	2-Butanone	820	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

291

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3965 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3965.06

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04850.D

Level: (low/med) MED Date Received: 10/07/98

% Moisture: not dec. 12.97 Date Analyzed: 10/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	820	U
1330-20-7	o-Xylene	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.

291

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3965 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3965.06

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04850.D

Level: (low/med) MED Date Received: 10/07/98

% Moisture: not dec. 12.97 Date Analyzed: 10/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

292

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3965 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3965.08

Sample wt/vol: 9.3 (g/ml) G Lab File ID: V04822.D

Level: (low/med) MED Date Received: 10/07/98

% Moisture: not dec. 15.36 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	950	U
1330-20-7	o-Xylene	640	U
100-42-5	Styrene	640	U
75-25-2	Bromoform	640	U
79-34-5	1,1,2,2-Tetrachloroethane	640	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

292

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3965 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3965.08

Sample wt/vol: 9.3 (g/ml) G Lab File ID: V04822.D

Level: (low/med) MED Date Received: 10/07/98

% Moisture: not dec. 15.36 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

293

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3965 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3965.10

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04823.D

Level: (low/med) MED Date Received: 10/07/98

% Moisture: not dec. 16.59 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3800	U
1634044	Methyl-tert-Butyl ether	880	U
108203	Di-isopropyl ether	590	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	880	U
74-83-9	Bromomethane	590	U
75-00-3	Chloroethane	880	U
75-69-4	Trichlorofluoromethane	590	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	590	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	590	U
156-60-5	trans-1,2-Dichloroethene	590	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	880	U
78-93-3	2-Butanone	880	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	590	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	590	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	590	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	590	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	590	U
79-00-5	1,1,2-Trichloroethane	590	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	590	U
126-48-1	Dibromochloromethane	590	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	590	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

293

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3965 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3965.10

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04823.D

Level: (low/med) MED Date Received: 10/07/98

% Moisture: not dec. 16.59 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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.

293

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3965 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3965.10

Sample wt/vol: 10.2 (g/ml) G Lab File ID: V04823.D

Level: (low/med) MED Date Received: 10/07/98

% Moisture: not dec. 16.59 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	14.23	16000	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

294

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3965 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3965.12

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04824.D

Level: (low/med) MED Date Received: 10/07/98

% Moisture: not dec. 16.63 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	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.

294

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3965 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3965.12

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04824.D

Level: (low/med) MED Date Received: 10/07/98

% Moisture: not dec. 16.63 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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.

294

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3965 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3965.12

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04824.D

Level: (low/med) MED Date Received: 10/07/98

% Moisture: not dec. 16.63 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

295

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.02

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04826.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 11.77 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	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.

295

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.02

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04826.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 11.77 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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.

295

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.02

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04826.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 11.77 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

296

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.04

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04827.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 4.46 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1700	U
107131	Acrylonitrile	1700	U
75650	tert-Butyl alcohol	3200	U
1634044	Methyl-tert-Butyl ether	740	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	990	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	740	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	740	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	740	U
78-93-3	2-Butanone	740	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	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.

296

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.04

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04827.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 4.46 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	740	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.

296

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.04

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04827.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 4.46 Date Analyzed: 10/13/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

297

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.06

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04853.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 13.96 Date Analyzed: 10/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	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.

297

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.06

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04853.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 13.96 Date Analyzed: 10/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	470	J
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.

297

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.06

Sample wt/vol: 10.6 (g/ml) G Lab File ID: V04853.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 13.96 Date Analyzed: 10/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

298

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.08

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V04854.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 14.23 Date Analyzed: 10/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2200	U
107131	Acrylonitrile	2200	U
75650	tert-Butyl alcohol	4000	U
1634044	Methyl-tert-Butyl ether	920	U
108203	Di-isopropyl ether	620	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	310	U
75-01-4	Vinyl Chloride	920	U
74-83-9	Bromomethane	620	U
75-00-3	Chloroethane	920	U
75-69-4	Trichlorofluoromethane	620	U
75-35-4	1,1-Dichloroethene	310	U
67-64-1	Acetone	620	U
75-15-0	Carbon Disulfide	310	U
75-09-2	Methylene Chloride	620	U
156-60-5	trans-1,2-Dichloroethene	620	U
75-35-3	1,1-Dichloroethane	310	U
108-05-4	Vinyl Acetate	920	U
78-93-3	2-Butanone	920	U
	cis-1,2-Dichloroethene	310	U
67-66-3	Chloroform	310	U
75-55-6	1,1,1-Trichloroethane	310	U
56-23-5	Carbon Tetrachloride	620	U
71-43-2	Benzene	310	U
107-06-2	1,2-Dichloroethane	620	U
79-01-6	Trichloroethene	310	U
78-87-5	1,2-Dichloropropane	310	U
75-27-4	Bromodichloromethane	310	U
110-75-8	2-Chloroethyl vinyl ether	620	U
10061-01-5	cis-1,3-Dichloropropene	310	U
108-10-1	4-Methyl-2-Pentanone	620	U
108-88-3	Toluene	310	U
10061-02-6	trans-1,3-Dichloropropene	620	U
79-00-5	1,1,2-Trichloroethane	620	U
127-18-4	Tetrachloroethene	310	U
591-78-6	2-Hexanone	620	U
126-48-1	Dibromochloromethane	620	U
108-90-7	Chlorobenzene	310	U
100-41-4	Ethylbenzene	620	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

298

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.08

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V04854.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 14.23 Date Analyzed: 10/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	920	U
1330-20-7	o-Xylene	620	U
100-42-5	Styrene	620	U
75-25-2	Bromoform	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

298

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.08

Sample wt/vol: 9.5 (g/ml) G Lab File ID: V04854.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 14.23 Date Analyzed: 10/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

299

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.10

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04855.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 6.69 Date Analyzed: 10/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	780	U
108203	Di-isopropyl ether	520	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	260	U
75-01-4	Vinyl Chloride	780	U
74-83-9	Bromomethane	520	U
75-00-3	Chloroethane	780	U
75-69-4	Trichlorofluoromethane	520	U
75-35-4	1,1-Dichloroethene	260	U
67-64-1	Acetone	520	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	520	U
156-60-5	trans-1,2-Dichloroethene	520	U
75-35-3	1,1-Dichloroethane	260	U
108-05-4	Vinyl Acetate	780	U
78-93-3	2-Butanone	780	U
	cis-1,2-Dichloroethene	260	U
67-66-3	Chloroform	260	U
75-55-6	1,1,1-Trichloroethane	260	U
56-23-5	Carbon Tetrachloride	520	U
71-43-2	Benzene	260	U
107-06-2	1,2-Dichloroethane	520	U
79-01-6	Trichloroethene	260	U
78-87-5	1,2-Dichloropropane	260	U
75-27-4	Bromodichloromethane	260	U
110-75-8	2-Chloroethyl vinyl ether	520	U
10061-01-5	cis-1,3-Dichloropropene	260	U
108-10-1	4-Methyl-2-Pentanone	520	U
108-88-3	Toluene	260	U
10061-02-6	trans-1,3-Dichloropropene	520	U
79-00-5	1,1,2-Trichloroethane	520	U
127-18-4	Tetrachloroethene	260	U
591-78-6	2-Hexanone	520	U
126-48-1	Dibromochloromethane	520	U
108-90-7	Chlorobenzene	260	U
100-41-4	Ethylbenzene	520	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

299

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.10

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04855.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 6.69 Date Analyzed: 10/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	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.

299

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.10

Sample wt/vol: 10.4 (g/ml) G Lab File ID: V04855.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 6.69 Date Analyzed: 10/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

300

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04856.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 7.53 Date Analyzed: 10/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	540	U
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

300

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04856.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 7.53 Date Analyzed: 10/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
1330-20-7	m+p-Xylenes	810	U
1330-20-7	o-Xylene	540	U
100-42-5	Styrene	540	U
75-25-2	Bromoform	540	U
79-34-5	1,1,2,2-Tetrachloroethane	540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

300

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3970 Location: M-5 SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 3970.12

Sample wt/vol: 10.0 (g/ml) G Lab File ID: V04856.D

Level: (low/med) MED Date Received: 10/08/98

% Moisture: not dec. 7.53 Date Analyzed: 10/20/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q