United States Army

Fort Monmouth, New Jersey

Site/Remedial Investigation Report

Former Building 64
Main Post-East Area

July 1999

SITE/REMEDIAL INVESTIGATION REPORT

FORMER BUILDING 64

MAIN POST-EAST AREA

JULY 1999

PREPARED FOR:

UNITED STATES ARMY, FORT MONMOUTH, NEW JERSEY
DIRECTORATE OF PUBLIC WORKS
BUILDING 167
FORT MONMOUTH, NJ 07703

PREPARED BY:

SMC ENVIRONMENTAL SERVICES GROUP 1900 FROST ROAD SUITE 110 BRISTOL, PA 19007

PROJECT NO. 2429-308

64.DOC

TABLE OF CONTENTS

EXECUTIVE SUMMARY	iv
1.0 BACKGROUND INFORMATION	1
1.1 OVERVIEW 1.2 SITE DESCRIPTION 1.3 GEOLOGICAL/HYDROGEOLOGICAL SETTING 1.4 HEALTH AND SAFETY	1 1 1 3
2.0 SITE/REMEDIAL INVESTIGATION ACTIVITIES	4
2.1 OVERVIEW 2.2 FIELD SCREENING/MONITORING 2.3 MANAGEMENT OF EXCAVATED SOILS 2.4 POST-EXCAVATION SOIL SAMPLING AND RESULTS 2.5 GROUNDWATER SAMPLING	4 4 5 5 6
3.0 CONCLUSIONS AND RECOMMENDATIONS	7
3.1 SOIL SAMPLING RESULTS 3.2 GROUNDWATER SAMPLING RESULTS 3.3 CONCLUSION AND RECOMMENDATIONS	7 7 8

TABLE OF CONTENTS (CONTINUED)

TABLES

Summary of Post-Excavation Sampling Activities Table 1

Post-Excavation Soil Sampling Results Table 2

Groundwater Sampling Results Table 3

FIGURES

Site Location Map Figure 1

Figure 2 Site Map

Soil Sampling Location Map Figure 3

APPENDICES

Appendix A Soil Analytical Data Package

Groundwater Analytical Data Package Appendix B Photographs

Appendix C

EXECUTIVE SUMMARY

Site/Remedial Investigation and Post-Excavation Soil Sampling

SMC was retained by the U.S. Army DPW to implement a site/remedial investigation adjacent to a former No. 2 fuel oil UST. The UST was associated with former Building 64 at the Main Post-East area of the U.S. Army Fort Monmouth Base. The objective of the site/remedial investigation activities was to remove all potentially impacted soil resulting from the past operation of the former UST. The site/remedial investigation was performed by SMC personnel in accordance with the NJDEP *Technical Requirements for Site Remediation* (N.J.A.C. 7:26E) and the NJDEP *Field Sampling Procedures Manual*.

Visibly stained soils and soils exhibiting elevated PID levels (greater than 5 ppm) of VOCs were excavated. Excavation activities continued until potentially impacted soil had been removed. To confirm PID readings and verify the effectiveness of the soil excavation activities, 5 post-excavation soil samples were collected from within the excavation on March 25, 1997. All samples were analyzed for TPHC and total solids. The post-excavation soil samples collected from the excavation contained concentrations of TPHC below the NJDEP soil cleanup criteria.

Management of Excavated Soils

A total of approximately 110 cubic yards of contaminated soil was excavated from around the former UST location and placed on and covered with tarps. All contaminated soil characterization and disposal was handled directly by the U.S. Army Fort Monmouth DPW.

Site Restoration

Upon receiving analytical results and confirming the effectiveness of the excavation activities completed at the site, the excavation was backfilled to grade with certified clean crushed stones and sand.

Conclusions and Recommendations

All post excavation soil samples collected from the UST excavation at Building 64 contained TPHC concentrations below the NJDEP residential direct contact total organic contaminants soil cleanup criteria of 10,000 milligrams per kilogram (mg/kg) (N.J.A.C. 7:26D and revisions dated February 3, 1994).

In response to the observation of potentially contaminated soil near the water table, two (2) groundwater samples were collected at Building 64. On December 19, 1998, and January 22, 1999, Building 64 was sampled for volatile organic compounds calibrated for xylene plus 15 tentatively identified compounds (VOC's), and semivolatile organic compounds plus 15 tentatively identified compounds (SVOC's).

All groundwater analytical results were either below the detection limit or in compliance with the New Jersey Ground Water Quality Criteria (GWQC).

No further action is proposed in regard to the closure and site assessment at Building 64.

The formations record several major transgressive/regressive cycles and contain units which are generally thicker to the southeast and reflect a deeper water environment. Over 20 regional geologic units are present within the sediments of the Coastal Plain. Regressive, upward coarsening deposits are usually aquifers (e.g., Englishtown and Kirkwood Formations, and the Cohansey Sand) while the transgressive deposits act as confining units (e.g., the Merchantville, Marshalltown, and Navesink Formations). The individual thickness for these units vary greatly (i.e., from several feet to several hundred feet). The Coastal Plain deposits thicken to the southeast from the Fall Line to greater than 6,500 feet in Cape May County (Brown and Zapecza, 1990).

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).

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, water is typically encountered at depths of 2 to 9 feet below ground surface (bgs). According to Jablonski, wells drilled in the Red Bank and Tinton Sands may produce 2 to 25 gallons per minute (gpm). Some well owners have reported acidic water that requires treatment to remove iron.

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. However, an abundance of clay lenses and sand deposits were noted in borings installed throughout Fort Monmouth. Therefore, the direction of shallow groundwater should be determined on a case-by-case basis.

1.0 BACKGROUND INFORMATION

1.1 OVERVIEW

SMC Environmental Services Group (SMC) was retained by the United States Army Directorate of Public Works (DPW) to implement a site/remedial investigation adjacent to a former No. 2 fuel oil underground storage tank (UST). The New Jersey Department of Environmental Protection (NJDEP) UST Registration No. 90010-3, was associated with former Building 64 at the Main Post-East area of the U.S. Army Fort Monmouth Base, Fort Monmouth, New Jersey. Refer to the site location map on Figure 1.

This report describes the results of the site/remedial investigation activities completed at the site. The objective of the site/remedial investigation activities was to remove all potentially impacted soil resulting from the past operation of the former UST.

This report outlines background information, the site/remedial investigation activities, results of these activities, and conclusions and recommendations drawn from these results.

1.2 SITE DESCRIPTION

Former Building 64 was located in the Main Post-East area of the Fort Monmouth Army Base. The former UST was located a few feet north of former Building 64 and approximately 35 feet south of Building 485. A site map is provided in Figure 2.

1.3 GEOLOGICAL/HYDROGEOLOGICAL SETTING

The following is a description of the geological/hydrogeological setting of the area surrounding former Building 64. Included is a description of the regional geology of the area surrounding Fort Monmouth, as well as descriptions of the local geology and hydrogeology of the Main Post area.

Regional Geology

Monmouth County lies within the New Jersey Section of the Atlantic Coastal Plain physiographic province. The Main Post, Charles Wood, and the Evans areas are located in what may be referred to as the Outer Coastal Plain subprovince, or the Outer Lowlands.

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

Shallow groundwater is locally influenced within the Main Post area by the following factors:

- tidal influence (based on proximity to the Atlantic Ocean, rivers, and tributaries)
- topography
- nature of the fill material within the Main Post area
- presence of clay and silt lenses in the natural overburden deposits
- local groundwater recharge areas (i.e., streams, lakes)

Due to the fluvial nature of the overburden deposits (i.e., sand and clay lenses), shallow groundwater flow direction is best determined on a case-by-case basis. This is consistent with lithologies observed in borings installed within the Main Post area, which primarily consisted of fine-to-medium grained sands, with occasional lenses or laminations of gravel silt and/or clay.

Former Building 64 was located approximately 500 feet west of Oceanport Creek, the nearest water body. Based on Main Post topography, groundwater flow in the area of former Building 64 is anticipated to be to the east.

1.4 HEALTH AND SAFETY

During all site/remedial investigation activities, hazards at the work site, which may have posed a threat to the Health and Safety of personnel, were minimized. All areas, which posed, or may have been suspected to pose a vapor hazard, were monitored by a qualified individual utilizing an organic vapor analyzer (OVA). The individual ascertained if the area was safe, as defined by the Occupational Safety & Health Administration (OSHA).

2.0 SITE/REMEDIAL INVESTIGATION ACTIVITIES

2.1 OVERVIEW

The Site/Remedial Investigation was managed and carried out by SMC personnel. All analyses were performed and reported by U.S. Army Fort Monmouth Environmental Laboratory, an NJDEP-certified testing laboratory. All sampling was performed under the direct supervision of a NJDEP Certified Sub-Surface Evaluator according to the methods described in the NJDEP *Field Sampling Procedures Manual*. Sampling frequency and parameters analyzed complied with the NJDEP *Technical Requirements for Site Remediation* (N.J.A.C. 7:26E).

The following Parties participated in Site/Remedial Investigation Activities:

Subsurface Evaluator: David H. Daniels

Employer: SMC Environmental Services Group

Phone Number: (215) 788-7844 NJDEP Certification No.: 10279

Project Manager: Charles Appleby

Employer: DPW U.S. Army, Fort Monmouth
Phone Number: (732) 532-6224

Phone Number: (732) 532-6224 NJDEP Certification No.: 2056

Analytical Laboratory: U.S. Army Fort Monmouth Environmental Laboratory

Contact Person: Daniel K. Wright Phone Number: (732) 532-4359

NJDEP Company Certification No.: 13461

2.2 FIELD SCREENING/MONITORING

Field screening and visual observations to identify potentially contaminated material was performed by a NJDEP Certified Sub-Surface Evaluator. During the excavation activities, all soil removed was screened with a photoionization detector (PID) to check for the presence of elevated volatile organic concentrations (VOCs).

Soils that displayed elevated PID readings (i.e., above 5 ppm) were stockpiled separate from those soils that did not display elevated PID readings (i.e., less than 5 ppm). The ground surface in the areas used to stockpile contaminated soils was covered with tarps. All stockpiled contaminated soil was covered with tarps at the completion of each day of excavation.

2.3 MANAGEMENT OF EXCAVATED SOILS

A total of approximately 130 cubic yards of material was excavated during the remediation activities. Of this amount, approximately 20 cubic yards of uncontaminated stone (1-½ inch stones previously used to backfill the excavation after the UST was removed) was stockpiled separately from the contaminated soil and was used later as backfill. There was approximately 110 cubic yards of contaminated soil (soil displaying PID readings above 5 ppm) excavated, placed on, and covered with tarps.

All contaminated soil characterization and disposal was handled directly by the U.S. Army Fort Monmouth Directorate of Public Works.

2.4 POST-EXCAVATION SOIL SAMPLING AND RESULTS

The excavation of the impacted soil proceeded laterally in all directions from the former UST location until non-detectable field screening readings (i.e., less than 5 ppm) were obtained with the PID. The excavation extended vertically to a depth of 9 feet below ground surface (bgs). The groundwater was encountered at a depth of 6-1/2 feet bgs.

To confirm the PID readings and verify the effectiveness of soil excavation activities, 5 post-excavation soil samples were collected from within the excavation on March 25, 1997. Of these, one sample was collected from each of the four excavation sidewalls at a depth of 6 feet bgs. The sidewall samples were designated 64A-N, 64A-E, 64A-S and 64A-W. The remaining post-excavation soil samples were collected from the bottom of the excavation at a depth of 9 feet bgs. The bottom sample was designated 64A-B. The locations of the 5 post excavation soil samples are shown in Figure 3.

SMC personnel, in accordance with the NJDEP Technical Requirements and the NJDEP Field Sampling Procedures Manual, performed the post-excavation soil sampling activities. A summary of sampling activities, including parameters analyzed, is provided in Table 1. Following soil sampling activities, the samples were chilled and delivered to the U.S. Army Fort Monmouth Environmental Laboratory located in Fort Monmouth, New Jersey, for analysis.

All samples were analyzed for total petroleum hydrocarbons (TPHC) and total solids. The post-excavation sampling results were compared to the NJDEP residential direct contact total organic contaminants soil cleanup criteria of 10,000 mg/kg (N.J.A.C. 7:26D and revisions dated February 3, 1994). A summary of the analytical results and comparison to the NJDEP soil cleanup criteria is provided in Table 2. The analytical data package is provided in Appendix A.

All post-excavation soil samples collected from the excavation contained concentrations of TPHC below the NJDEP soil cleanup criteria. Samples contained TPHC levels ranging from non-detected to 210.49 mg/kg.

Upon receiving analytical results and confirming the effectiveness of the excavation activities completed at the site, the excavation was backfilled to grade with certified clean crushed stone and sand. The 1-½ inch stones that were excavated during the site/remedial investigation activities were utilized as backfill material. Appendix C provides photographs of the site/remedial investigations.

2.5 GROUNDWATER SAMPLING

On December 19,1998, and January 22, 1999, Building 64 was sampled for volatile organic compounds calibrated for xylene plus 15 tentatively identified compounds (VOC's), and semivolatile organic compounds plus 15 tentatively identified compounds (SVOC's). Sampling and analysis were performed in accordance with the NJDEP *Field Sampling Procedures Manual* and the *Technical Requirements For Site Remediation*. Refer to Appendix B for the field sampling documentation.

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 SOIL SAMPLING RESULTS

SMC was retained by the U.S. Army DPW to implement a site/remedial investigation adjacent to a former No. 2 fuel oil UST. The UST was associated with former Building 64 at the Main Post-East area of the U.S. Army Fort Monmouth Base. The objective of the site/remedial investigation activities was to remove all potentially impacted soil resulting from the past operation of the former UST.

Visibly stained soils and soils exhibiting elevated PID levels (greater than 5 ppm) of VOCs were excavated. Excavation activities continued until potentially impacted soil had been removed. In all, a total of approximately 110 cubic yards of contaminated soil was excavated from around the former UST location. All contaminated soil characterization and disposal was handled directly by the U.S. Army Fort Monmouth DPW.

To confirm the PID readings and verify the effectiveness of the soil excavation activities, 5 post-excavation soil samples were collected from within the excavation on March 25, 1997. All samples were analyzed for TPHC and total solids. The post-excavation soil samples collected from the excavation contained concentrations of TPHC below the NJDEP soil cleanup criteria. Samples contained TPHC levels ranging from non-detected to 210.49 mg/kg.

Upon receiving analytical results and confirming the effectiveness of the excavation activities completed at the site, the excavation was backfilled to grade with certified clean crushed stone and sand.

3.2 GROUNDWATER SAMPLING RESULTS

The sample collected from Building 64 on December 19, 1998, contained naphthalene at 4.73 ug/l, 2-methylnaphthalene at 3.12 ug/l, and flourene at 4.17 ug/l. No other compounds were detected.

The sample collected from Building 64 on January 22, 1999, contained 2-methylnaphthalene at 2.10 ug/l, flourene at 3.81 ug/l, phenanthrene at 4.34 ug/l, and bis(2-ethylhexyl)phthalate at 2.59 ug/l. No other compounds were detected. Methylene chloride was detected in the trip blank at a concentration of 22.87 ug/l. The methylene chloride concentration exceeds the GWQS on account of laboratory contamination. No other compounds were detected in the trip blank. Bis(2-ethylhexyl)phthalate was detected in the field blank at a concentration of 1.20 ug/l. No other compounds were detected in the field blank. The field dup contained flourene at 2.31 ug/l, phenanthrene at 2.91 ug/l, and bis(2-ethylhexyl)phthalate at 3.41 ug/l. No other compounds were detected in the field dup.

A summary of the analytical results and comparison to the NJDEP groundwater cleanup criteria is provided in Table 3. The analytical data package is provided in Appendix B. The full data package, including quality control, is on file at U.S. Army Fort Monmouth, Fort Monmouth, New Jersey.

Groundwater samples collected on December 19, 1998, and January 22,1999, were either below the detection limit or in compliance with the New Jersey Ground Water Quality Criteria (GWQC).

3.3 CONCLUSIONS AND RECOMMENDATIONS

The analytical results for all post-excavation soil samples collected from the UST closure excavation at Building 64 were below the NJDEP soil cleanup criteria for total organic contaminants.

Based on the post-excavation sampling results, soil with TPHC concentrations exceeding the NJDEP soil cleanup criteria for total organic contaminants of 10,000 mg/kg, do not exist in the former location of the UST or associated piping.

Based on the analytical results of the groundwater samples collected at Building 64 on December 19, 1998, and January 22, 1999, groundwater quality at Building 64 was either below the detection limit or in compliance with the New Jersey Ground Water Quality Criteria (GWQC).

No further action is proposed in regard to the closure and site assessment at Building 64.

TABLES

TABLE 1
SUMMARY OF POST-EXCAVATION SAMPLING ACTIVITIES
AREA 64A, MAIN POST-EAST AREA
FORT MONMOUTH, NEW JERSEY

Page 1 of 2

Sample ID	Date of Collection	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	Analysis Method
В	3/25/97	3/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
S	3/25/97	3/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
N	3/25/97	3/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
E	3/25/97	3/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025
w	3/25/97	3/26/97	Soil	Post-Excavation	TPHC	OQA-QAM-025

Note:

TPHC Total Petroleum Hydrocarbons

TABLE 1 SUMMARY OF SAMPLING ACTIVITIES BUILDING 64A, MAIN POST-EAST AREA FORT MONMOUTH, NEW JERSEY

ŀ	'age	2	ot	2

Sample ID	Date of Collection	Date Analysis Started	Matrix	Sample Type	Analytical Parameters*	Sampling Method**
4150.01	12/19/98	12/28/98	Aqueous	Groundwater	VOCs, SVOCs	PPNDP
4150.02	12/19/98	12/28/98	Aqueous	Groundwater	VOCs, SVOCs	PPNDP
4151.01	12/19/98	12/28/98	Aqueous	Groundwater	VOCs, SVOCs	PPNDP
4151.02	12/19/98	12/28/98	Aqueous	Groundwater	VOCs, SVOCs	PPNDP
4203.01	1/22/99	1/26/99	Aqueous	Groundwater	VOCs, SVOCs	PPNDP
4203.02	1/22/99	1/26/99	Aqueous	Groundwater	VOCs, SVOCs	PPNDP
4203.03	1/22/99	1/26/99	Aqueous	Groundwater	VOCs, SVOCs	PPNDP
4203.04	1/22/99	1/26/99	Aqueous	Groundwater	VOCs, SVOCs	PPNDP
4203.05	1/22/99	1/26/99	Aqueous	Groundwater	VOCs, SVOCs	PPNDP

Note:

Volatile Organic Compounds plus 15 tentatively identified compounds Semivolatile organic compounds plus 15 tentatively identified compounds Passively Placed Narrow Diameter Point *VOCs: *SVOCs:

**PPNDP:

TABLE 2 POST-EXCAVATION SOIL SAMPLING RESULTS AREA 64A, MAIN POST-EAST AREA FORT MONMOUTH, NEW JERSEY

Page 1 of 1

Sample ID	Sample Laboratory ID	Sample Date	Analysis Date	Analytical Method Used	Method Detection Limit (mg/kg)	Compound of Concern	Result (mg/kg) *	NJDEP Soil Cleanup Criteria ** (mg/kg)	Exceeds Cleanup Criteria
B =	2407.01	3/25/97	3/26/97	Total Solid			81.29		
				TPHC	186	Yes	ND	10,000	No
S =	2407.02	3/25/97	3/26/97	Total Solid			82.51		
				TPHC	184	Yes	ND	10,000	No
N =	2407.03	3/25/97	3/26/97	Total Solid	****		82.95		
- '				TPHC	187	Yes	210.49	10,000	No
E =	2407.04	3/25/97	3/26/97	Total Solid			83.55	***	
-				TPHC	177	Yes	ND	10,000	No
W =	2407.05	3/25/97	3/26/97	Total Solid			80.96		
**	2.37.05			ТРНС	182	Yes	ND	10,000	No

Note:

* Total Solid results are expressed as a percentage.

** NJDEP Residential Direct Contact soil cleanup criteria for total organics

Not detected above stated sample quantitation limit

TPHC Total Petroleum Hydrocarbons

Table 3 VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

<u>12/19/98</u>

Location:

<u>64</u>

Lab Sample ID: 4150.01(Trip Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
107028	Acrolein	1.85	Not Detected		50	no
107131	Acrylonitrile	2,78	Not Detected		50	no
75650	tert-Butyl alcohol	8.52	Not Detected		nle	no
1634044	Methyl-tert-Butyl ether	0.16	Not Detected		nle	no
108203	Di-isopropyl ether	0.25	Not Detected		nle	no
<u></u>	Dichlorodifluoromethane	1,68	Not Detected		nle	110
74-87-3	Chloromethane	1,16	Not Detected		30	no
75-01-4	Vinyl Chloride	1.06	Not Detected	••	5	ю
74-83-9	Bromomethane	1,10	Not Detected		10	по
75-00-3	Chloroethane	1,01	Not Detected		nle	no
75-69-4	Trichlorofluoromethane	0.50	Not Detected		nle	no
75-35-4	1, 1-Dichloroethene	0.24	Not Detected	••	2	10
67-64-1	Acetone	1.36	Not Detected	-	700	no
75-15-0	Carbon Disulfide	0,46	Not Detected	·	nle	по .
75-09-2	Methylene Chloride	0.24	Not Detected		2	no
156-60-5	trans-1,2-Dichloroethene	0.16	Not Detected		100	no
75-35-3	1,1-Dichloroethane	0.12	Not Detected		70	по
108-05-4	Vinyl Acetate	0.78	Not Detected		nle	no
78-93-3	2-Butanone	0.62	Not Detected		300	ю
156-59-2	cis-1,2-Dichloroethene	0.17	Not Detected		10	no
67-66-3	Chloroform	0.30	Not Detected	++	6	no
75-55-6	1,1,1-Trichloroethane	0.23	Not Detected	•-	30	no
56-23-5	Carbon Tetrachloride	0,47	Not Detected		2	no
71-43-2	Benzeze	0.23	Not Detected	••	1	no
107-06-2	1,2-Dichloroethane	0.18	Not Detected		2	no
79-01-6	Trichloroethene	0,23	Not Detected		1	no
78-87-5	1, 2-Dichloropropane	0.40	Not Detected		1	по
75-27-4	Bromodichloromethane	0.55	Not Detected	••	1	110
110-75-8	2-Chloroethyl vinyl ether	0.65	Not Detected		nle	по
10061-01-5	cis-1,3-Dichloropropene	0.69	Not Detected		nle	no

Table 3 **VOLATILE ORGANICS ANALYSIS DATA SHEET**

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

12/19/98

Location:

<u>64</u>

Lab Sample ID: 4150.01(Trip Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
108-10-1	4-Methyl-2-Pentanone	0.59	Not Detected		400	no
108-88-3	Toluene	0.37	Not Detected		1000	no
10061-02-6	trans-1,3-Dichloropropene	0.87	Not Detected		nle	no
79-00-5	1,1,2-Trichloroethane	0.48	Not Detected		3	по
127-18-4	Tetrachloroethene	0.32	Not Detected		1	no
591-78-6	2-Hexanone	0.71	Not Detected	••	nle	INO
126-48-1	Dibromochloromethane	0.86	Not Detected		10	по
108-90-7	Chlorobenzene	0.39	Not Detected		4	no
100-41-4	Ethylbenzene	0.65	Not Detected	<u></u>	700	10
1330-20-7	m+p-Xylenes	1.14	Not Detected		nle	no
1330-20-7	o-Xylene	0.62	Not Detected		nle	oo
100-42-5	Styrene	0.56	Not Detected		100	ю
75-25-2	Bromoform	0.70	Not Detected		4	no
79-34-5	1,1,2,2-Tetrachloroethane	0.47	Not Detected	-	2	no
541-73-1	1,3-Dichlorobenzene	0.55	Not Detected		600	по
106-46-7	1,4-Dichlorobenzene	0.57	Not Detected		75	no
95-50-1	1,2-Dichlorobenzene	0.64	Not Detected		600	no

Table 3 VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

12/19/98

Location:

<u>64</u>

Lab Sample ID: 4150.02(Field Blank)

Date Bamp	100. <u>1012/20</u>	2011111	··· <u>~</u> :			(
CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
107028	Acrolein	1,85	Not Detected	••	50	по
107131	Acrylonitrile	2,78	Not Detected	-	50	no
75650	tert-Butyl alcohol	8.52	Not Detected		nle	no
1634044	Methyl-tert-Butyl ether	0,16	Not Detected		nle	no
108203	Di-isopropyl ether	0,25	Not Detected		nle	no
	Dichlorodifluoromethane	1.68	Not Detected		nle	no
74-87-3	Chloromethane	1,16	Not Detected		30	по
75-01-4	Vinyl Chloride	1.06	Not Detected		5	по
74-83-9	Bromomethane	1.10	Not Detected	, <u></u>	10	no
75-00-3	Chloroethane	1.01	Not Detected		nle	по
75-69-4	Trichlorofluoromethane	0.50	Not Detected		nle	no
75-35-4	1, 1-Dichloroethene	0.24	Not Detected		2	по
67-64-1	Acetone	1.36	Not Detected		700	по
75-15-0	Carbon Disulfide	0.46	Not Detected		nle	no
75-09-2	Methylene Chloride	0.24	Not Detected		2	no
156-60-5	trans-1,2-Dichloroethene	0.16	Not Detected	••	100	по
75-35-3	1,1-Dichloroethane	0.12	Not Detected		70	no
108-05-4	Vinyl Acetate	0,78	Not Detected	•-	nle	по
78-93-3	2-Butanone	0.62	Not Detected		300	110
156-59-2	cis-1,2-Dichloroethene	0.17	Not Detected		10	no
67-66-3	Chloroform	0.30	Not Detected		6	no
75-55-6	1,1,1-Trichloroethane	0.23	Not Detected		30	по
56-23-5	Carbon Tetrachloride	0.47	Not Detected		2	ю
71-43-2	Benzeze	0.23	Not Detected		1	no
107-06-2	1,2-Dichloroethane	0.18	Not Detected		2	по
79-01-6	Trichloroethene	0.23	Not Detected		1	DO
78-87-5	1, 2-Dichloropropane	0.40	Not Detected		1	по
75-27-4	Bromodichloromethane	0,55	Not Detected		1	no
110-75-8	2-Chloroethyl vinyl ether	0.65	Not Detected		nle	no
10061-01-5	cis-1,3-Dichloropropene	0.69	Not Detected		nle	no

Table 3 **VOLATILE ORGANICS ANALYSIS DATA SHEET**

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

12/19/98

Location:

<u>64</u>

Lab Sample ID: 4150.02(Field Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
108-10-1	4-Methyl-2-Pentanone	0.59	Not Detected	<u>. </u>	400	ю
108-88-3	Toluene	0.37	Not Detected	••	1000	по
10061-02-6	trans-1,3-Dichloropropene	0.87	Not Detected		nle	по
79-00-5	1,1,2-Trichloroethane	0.48	Not Detected	+=	3	ю
127-18-4	Tetrachloroethene	0.32	Not Detected		1	по
591-78-6	2-Hexanone	0.71	Not Detected		nle	ю
126-48-1	Dibromochloromethane	0.86	Not Detected		10	ю
108-90-7	Chlorobenzene	0.39	Not Detected		4	no
100-41-4	Ethylbenzene	0.65	Not Detected		700	' no
1330-20-7	m+p-Xylenes	1,14	Not Detected	· <u>-</u>	nle	no
1330-20-7	o-Xylene	0.62	Not Detected		nle	по
100-42-5	Styrene	0.56	Not Detected		100	no
75-25-2	Bromoform	0.70	Not Detected	-	4	no .
79-34-5	1,1,2,2-Tetrachloroethane	0.47	Not Detected	**	2	no
541-73-1	1,3-Dichlorobenzene	0.55	Not Detected		600	no
106-46-7	1,4-Dichlorobenzene	0.57	Not Detected		75	по
95-50-1	1,2-Dichlorobenzene	0.64	Not Detected		600	no

Table 3 VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

12/19/98

Location:

<u>64</u>

Lab Sample ID: 4151.01(Bldg 64)

•					-	
CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
107028	Acrolein	1,85	Not Detected		50	no
107131	Acrylonitrile	2.78	Not Detected	***	50	110
75650	tert-Butyl alcohol	8.52	Not Detected		nle	no
1634044	Methyl-tert-Butyl ether	0.16	Not Detected		nle	no
108203	Di-isopropyl ether	0.25	Not Detected	-	nle	no
	Dichlorodiffuoromethane	1.68	Not Detected		nle	ло
74-87-3	Chloromethane	1,16	Not Detected		30	DO
75-01-4	Vinyl Chloride	1.06	Not Detected		5	no
74-83-9	Bromomethane	1.10	Not Detected	. 	10	по
75-00-3	Chloroethane	1.01	Not Detected		nle	no
75-69-4	Trichlorofluoromethane	0.50	Not Detected	4 	nle	во
75-35-4	1, 1-Dichloroethene	0.24	Not Detected		2 .	no
67-64-1	Acetone	1.36	Not Detected		- 700	no
75-15-0	Carbon Disulfide	0.46	Not Detected	••	nle	по
75-09-2	Methylene Chloride	0.24	Not Detected		2	no
156-60-5	trans-1,2-Dichloroethene	0.16	Not Detected		100	no
75-35-3	1,1-Dichloroethane	0.12	Not Detected		70	no
108-05-4	Vinyl Acetate	0.78	Not Detected	<u></u>	nle	no
78-93-3	2-Butanone	0.62	Not Detected		300	по
156-59-2	cis-1,2-Dichloroethene	0.17	Not Detected	••	10	no
67-66-3	Chloroform	0.30	Not Detected	•-	6	110
75-55-6	1,1,1-Trichloroethane	0.23	Not Detected		30	110
56-23-5	Carbon Tetrachloride	0.47	Not Detected		2	no
71-43-2	Benzeze	0.23	Not Detected	**	1	по
107-06-2	1,2-Dichloroethane	0.18	Not Detected		2	по
79-01-6	Trichloroethene	0,23	Not Detected		1	по
78-87-5	1, 2-Dichloropropane	0.40	Not Detected		1	ро
75-27-4	Bromodichloromethane	0,55	Not Detected		1	no
110-75-8	2-Chloroethyl vinyl ether	0.65	Not Detected		nle	no
10061-01-5	cis-1,3-Dichloropropene	0.69	Not Detected		nle	110
	<u> </u>			<u> </u>	1 	

Table 3 VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

12/19/98

Location:

<u>64</u>

Lab Sample ID: 4151.01(Bldg 64)

			_			
CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
108-10-1	4-Methyl-2-Pentanone	0.59	Not Detected		400	no
108-88-3	Toluene	0.37	Not Detected		1000	no
10061-02-6	trans-1,3-Dichloropropene	0.87	Not Detected		nle	no
79-00-5	1,1,2-Trichloroethane	0.48	Not Detected		3	по
127-18-4	Tetrachloroethene	0.32	Not Detected		l	no
591-78-6	2-Hexanone	0.71	Not Detected		nle	no
126-48-1	Dibromochloromethane	0.86	Not Detected	4	10	по
108-90-7	Chlorobenzene	0.39	Not Detected		4	no
100-41-4	Ethylbenzene	0.65	Not Detected	_	700	по
1330-20-7	m+p-Xylenes	1.14	Not Detected		nle	no
1330-20-7	o-Xylene	0.62	Not Detected		nie	no
100-42-5	Styrene	0.56	Not Detected		100	no
75-25-2	Bromoform	0.70	Not Detected		4	no
79-34-5	1,1,2,2-Tetrachloroethane	0.47	Not Detected		2 .	по
541-73-1	1,3-Dichlorobenzene	0.55	Not Detected		600	no
106-46-7	1,4-Dichlorobenzene	0.57	Not Detected		75	no
95-50-1	1,2-Dichlorobenzene	0.64	Not Detected		600	no

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

12/19/98

Location:

<u>64</u>

Lab Sample ID: 4150.02(Field Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
110-86-1	Pyridine	2.52	Not Detected		nie	по
62-75-9	N-nitroso-dimethylamine	2.64	Not Detected		20	110
62-53-3	Aniline	2.90	Not Detected		nle	по
111-44-4	bis(2-Chloroethyl)ether	2.45	Not Detected		10	ю
541-73-1	1,3-Dichlorobenzene	2,65	Not Detected		600	ю
106-46-7	1,4-Dichlorobenzene	2.50	Not Detected		75	по
100-51-6	Benzyl alcohol	2,09	Not Detected		. nle	no
95-50-1	1,2-Dichlorobenzene	2,44	Not Detected	-	600	ao
108-60-1	bis(2-chloroisopropyl)ether	2.96	Not Detected		300	ро
621-64-7	n-Nitroso-di-n-propylamine	2,22	Not Detected		20	no
67-72-1	Hexachloroethane	2,59	Not Detected	•••	10	по
98-95-3	Nitrobenzene	2,45	Not Detected	4-	10	no
78-59-1	Isophorone	2.31	Not Detected	**	100	no
111-91-1	bis(2-Chloroethoxy)methane	2,54	Not Detected		nle	no
120-82-1	1,2,4-Trichlorobenzene	2.58	Not Detected		9	no
91-20-3	Naphthalene	3.03	Not Detected		nle	по
106-47-8	4-Chloroaniline	2.55	Not Detected		nle	no
87-68-3	Hexachlorobutadiene	0.64	Not Detected	•-	1	по
91-57-6	2-Methylnaphthalene	2.49	Not Detected		nle	no
77-47-4	Hexachlorocyclopentadiene	1.59	Not Detected		50	no
91-58-7	2-Chloronaphthalene	2.15	Not Detected	**	nle	no
88-74-4	2-Nitroaniline	1.62	Not Detected		nle	no
131-11-3	Dimethylphthalate	2.74	Not Detected	•	7000	no
208-96-8	Acenaphthylene	2.35	Not Detected		nle	no

Lab Name:

FMETL

NJDEP#

13461

Matrix: (soil/water) WATER

Date Sampled:

<u>12/19/98</u>

Location:

<u>64</u>

Lab Sample ID: 4150.02(Field Blank)

Date Sample	30: <u>12/19/96</u>	Locution.	<u>0 1</u>	240 0		
CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
606-20-2	2,6-Dinitrotoluene	1.54	Not Detected		nle	ю
99-09-2	3-Nitroaniline	1.62	Not Detected		nle	ю
83-32-9	Acenaphthene	1.98	Not Detected		400	ю
132-64-9	Dibenzofuran	2.13	Not Detected		nle	no
121-14-2	2,4-Dinitrotoluene	1,22	Not Detected		10	no
84-66-2	Diethylphthalate	1.68	Not Detected		5000	no
86-73-7	Fluorene	1.93	Not Detected		300	no
7005-72-3	4-Chlorophenyl-phenylether	1.53	Not Detected		nle	no
100-01-6	4-Nitroaniline	2.70	Not Detected	•	nle	110
86-30-6	n-Nitrosodiphenylamine	1.73	Not Detected		20	по
103-33-3	Azobenzene	1.92	Not Detected		nle	ne
101-55-3	4-Bromophenyl-phenylether	1.54	Not Detected		. nle	no
118-74-1	Hexachlorobenzene	1.88	Not Detected	<u>-</u>	10	то .
85-01-8	Phenanthrene	1.67	Not Detected		nle	ю
120-12-7	Anthracene	1.79	Not Detected		2000	ю
84-74-2	Di-n-butylphthalate	1,83	Not Detected		900	no
206-44-0	Fluoranthene	1.85	Not Detected		300	no
92-87-5	Benzidine	4.11	Not Detected		50	no
129-00-0	Pyrene	1.02	Not Detected		200	no
85-68-7	Butylbenzylphthalate	1.15	Not Detected		100	во
56-55-3	Benzo[a]anthracene	1.57	Not Detected		10	no
91-94-1	3,3'-Dichlorobenzidine	2,28	Not Detected		60	no
218-01-9	Chrysene	2.32	Not Detected		20	no
117-81-7	bis(2-Ethylhexyl)phthalate	1.29	Not Detected		30	110
117-84-0	Di-n-octylphthalate	1.30	Not Detected		100	100
205-99-2	Benzo[b]fluoranthene	1.31	Not Detected		10	no
207-08-9	Benzo[k]fluoranthene	1.57	Not Detected		2	no
50-32-8	Вепхо[а]ругепе	1.36	Not Detected		20	no
193-39-5	Indeno[1,2,3-cd]pyrene	1,22	Not Detected		20	no
53-70-3	Dibenz[a,h]anthracene	3.12	Not Detected		20	по
191-24-2	Benzo[g,h,i]perylene	1.13	Not Detected		nle	no
						<u> </u>

Lab Name:

<u>FMETL</u>

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

12/19/98

Location;

<u>64</u>

Lab Sample ID: 4151.02(Bldg 64)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
110-86-1	Pyridine	2.52	Not Detected		nle	по
62-75-9	N-nitroso-dimethylamine	2,64	Not Detected		20	no
62-53-3	Aniline	2.90	Not Detected		nle	по
111-44-4	bis(2-Chloroethyl)ether	2,45	Not Detected		10	во
541-73-1	1,3-Dichlorobenzene	2.65	Not Detected		600	no
106-46-7	1,4-Dichlorobenzene	2.50	Not Detected		75	ю
100-51-6	Benzyl alcohol	2.09	Not Detected	**	nie	no
95-50-1	1,2-Dichlorobenzene	2,44	Not Detected		600	no ·
108-60-1	bis(2-chloroisopropyl)ether	2,96	Not Detected	. ••	300	no
621-64-7	n-Nitroso-di-n-propylamine	2.22	Not Detected		20	'nо
67-72-1	Hexachioroethane	2,59	Not Detected		10	no
98-95-3	Nitrobenzene	2,45	Not Detected		10	по
78-59-1	Isophorone	2.31	Not Detected		100	no
111-91-1	bis(2-Chloroethoxy)methane	2.54	Not Detected		nle	no
120-82-1	1,2,4-Trichlorobenzene	2.58	Not Detected		9	по
91-20-3	Naphthalene	3.03	4.73 ug/l		nle	no
106-47-8	4-Chloroaniline	2.55	Not Detected		nle	no
87-68-3	Hexachlorobutadiene	0.64	Not Detected		1	no
91-57-6	2-Methylnaphthalene	2.49	3.12 ug/l		nle	по
77-47-4	Hexachlorocyclopentadiene	1.59	Not Detected		50	no
91-58-7	2-Chloronaphthalene	2.15	Not Detected		nle	по
88-74-4	2-Nitroaniline	1.62	Not Detected		nle	no
131-11-3	Dimethylphthalate	2.74	Not Detected		7000	по
208-96-8	Acenaphthylene	2.35	Not Detected		nle	no

Lab Name:

FMETL

NJDEP#

13461

Matrix: (soil/water) WATER

Date Sampled:

12/19/98

Location:

<u>64</u>

Lab Sample ID: 4151.02(Bldg 64)

Date Sumple	<u>12/17/0</u>	Douglasi	• <u>• •</u>	240 5	umpro 115. 11510	V=(
CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
606-20-2	2,6-Dinitrotoluene	1.54	Not Detected		nle	ро
99-09-2	3-Nitroaniline	1.62	Not Detected		nle	no
83-32-9	Acenaphthene	1.98	Not Detected		400	no
132-64-9	Dibenzofuran	2.13	Not Detected		nle	no
121-14-2	2,4-Dinitrotoluene	1,22	Not Detected		10	no
84-66-2	Diethylphthalate	1.68	Not Detected		5000	no
86-73-7	Fluorene	1.93	4.17 vg/l		300	no
7005-72-3	4-Chlorophenyl-phenylether	1.53	Not Detected		nle	ро
100-01-6	4-Nitroaniline	2.70	Not Detected	,	nle	no
86-30-6	n-Nitrosodiphenylamine	1.73	Not Detected	. :	20	no
103-33-3	Azobenzene	1.92	Not Detected		nle	по
101-55-3	4-Bromophenyl-phenylether	1.54	Not Detected		nle	no .
118-74-1	Hexachlorobenzene	1.88	Not Detected		10.	no
85-01-8	Phenanthrene	1,67	Not Detected		nle	по
120-12-7	Anthracene	1.79	Not Detected	••	2000	EO.
84-74-2	Di-n-butylphthalate	1.83	Not Detected		900	по
206-44-0	Fluoranthene	1.85	Not Detected		300	no
92-87-5	Benzidine	4,11	Not Detected		50	ю
129-00-0	Pyrene	1.02	Not Detected	••	200	no
85-68-7	Butylbenzylphthalate	1.15	Not Detected	••	100	1ю
56-55-3	Benzo[a]anthracene	1.57	Not Detected	••	10	no
91-94-1	3,3'-Dichlorobenzidine	2,28	Not Detected	••	60	no
218-01-9	Chrysene	2.32	Not Detected		20	no
117-81-7	bis(2-Ethylhexyl)phthalate	1.29	Not Detected		30	no
117-84-0	Di-n-octylphthalate	1,30	Not Detected		100	по
205-99-2	Benzo[b]fluoranthene	1,31	Not Detected		10	no
207-08-9	Benzo[k]fluoranthene	1.57	Not Detected		2	no
50-32-8	Benzo[a]pyrene	1.36	Not Detected		20	no
193-39-5	Indeno[1,2,3-cd]pyrene	1,22	Not Detected	••	20	no
53-70-3	Dibenz[a,h]anthracene	3.12	Not Detected		20	no
191-24-2	Benzo[g,h,i]perylene	1.13	Not Detected		nle	no
	<u> </u>				<u> </u>	L.—————

Table 3 VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

1/22/99

Location:

<u>64</u>

Lab Sample ID: 4203.01(Trip Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
107028	Acrolein	1.85	Not Detected		50	no
107131	Acrylonitrile	2.78	Not Detected		50	по
75650	tert-Butyl alcohol	8.52	Not Detected		nle	no
1634044	Methyl-tert-Butyl ether	0.16	Not Detected		nle	no
108203	Di-isopropyl ether	0.25	Not Detected		nle	no
	Dichlorodifluoromethane	1.68	Not Detected		nle	no
74-87-3	Chloromethane	1.16	Not Detected		30	no
75-01-4	Vinyl Chloride	1.06	Not Detected		5	по
74-83-9	Bromomethane	1,10	Not Detected		10	no
75-00-3	Chloroethane	1,01	Not Detected		nle	no
75-69-4	Trichlorofluoromethane	0.50	Not Detected		nle	no
75-35-4	1, 1-Dichloroethene	0.24	Not Detected		2	no
67-64-1	Acetone	1.36	Not Detected		700	no
75-15-0	Carbon Disulfide	0.46	Not Detected		nle	no
75-09-2	* Methylene Chloride	0.24	22.87 ug/l		2	yes
156-60-5	trans-1,2-Dichloroethene	0.16	Not Detected	**	100	no
75-35-3	1,1-Dichloroethane	0.12	Not Detected		70	no
108-05-4	Vinyl Acetate	0.78	Not Detected		nle	по
78-93-3	2-Butanone	0.62	Not Detected		300	no
156-59-2	cis-1,2-Dichloroethene	0.17	Not Detected		10	no
67-66-3	Chloroform	0.30	Not Detected		6	no
75-55-6	1,1,1-Trichloroethane	0.23	Not Detected		30	no
56-23-5	Carbon Tetrachloride	0.47	Not Detected		2	no
71-43-2	Benzeze	0.23	Not Detected		1	no
107-06-2	1,2-Dichloroethane	0.18	Not Detected		2	no
79-01-6	Trichloroethene	0.23	Not Detected		1	no
78-87-5	1, 2-Dichloropropane	0.40	Not Detected		1	no
75-27-4	Bromodichloromethane	0.55	Not Detected		1	no
110-75-8	2-Chloroethyl vinyl ether	0.65	Not Detected		nle	no
10061-01-5	cis-1,3-Dichloropropene	0.69	Not Detected		nle	по

Note:

^{*} Compound exceeds criteria due to laboratory contamination

Table 3 VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

1/22/99

Location:

<u>64</u>

Lab Sample ID: 4203.01(Trip Blank)

Date Sampa	Cd. <u>1122199</u>	Бойнон	<u> </u>	240 24		
CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
108-10-1	4-Methyl-2-Pentanone	0.59	Not Detected		400	no
108-88-3	Toluene	0.37	Not Detected		1000	no
10061-02-6	trans-1,3-Dichloropropene	0.87	Not Detected		nle	no
79-00-5	1,1,2-Trichloroethane	0.48	Not Detected		3	ю
127-18-4	Tetrachloroethene	0.32	Not Detected		1	по
591-78-6	2-Hexanone	0.71	Not Detected		nle	110
126-48-1	Dibromochloromethane	0.86	Not Detected		10	no
108-90-7	Chlorobenzene	0.39	Not Detected		4	по
100-41-4	Ethylbenzene	0.65	Not Detected		700	ю
1330-20-7	m+p-Xylenes	1.14	Not Detected		nle	no
1330-20-7	o-Xylene	0.62	Not Detected	-	nle	no
100-42-5	Styrene	0.56	Not Detected	••	100	no
75-25-2	Bromoform	. 0.70	Not Detected		4	. no
79-34-5	1,1,2,2-Tetrachloroethane	0.47	Not Detected		2	по .
541-73-1	1,3-Dichlorobenzene	0.55	Not Detected	- <u>-</u> -	600	по
106-46-7	1,4-Dichlorobenzene	0.57	Not Detected		75	no
95-50-1	1,2-Dichlorobenzene	0.64	Not Detected		600	no

Table 3 VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

1/22/99

Location:

<u>64</u>

Lab Sample ID: 4203.02(Field Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
107028	Acrolein	1.85	Not Detected		50	ло
107131	Acrylonitrile	2.78	Not Detected		50	по
75650	tert-Butyl alcohol	8.52	Not Detected		nle	no
1634044	Methyl-tert-Butyl ether	0,16	Not Detected	**	nle	по
108203	Di-isopropyl ether	0.25	Not Detected		nle	no
	Dichlorodifluoromethane	1.68	Not Detected		nle	no
74-87-3	Chloromethane	1.16	Not Detected		30	no
75-01-4	Vinyl Chloride	1.06	Not Detected		5	по
74-83-9	Bromomethane	1,10	Not Detected		10	no
75-00-3	Chloroethane	1.01	Not Detected		nle	no
75-69-4	Trichlorofluoromethane	0.50	Not Detected		nte	ю
75-35-4	1, 1-Dichloroethene	0.24	Not Detected		2	ю
67-64-1	Acetone	1.36	Not Detected		700	ю
75-15-0	Carbon Disulfide	0.46	Not Detected	**	nie ·	no
75-09-2	Methylene Chloride	0.24	Not Detected		2	тю
156-60-5	trans-1,2-Dichloroethene	0.16	Not Detected		100	110
75-35-3	1,1-Dichloroethane	0.12	Not Detected		70	no
108-05-4	Vinyl Acetate	0.78	Not Detected		nle	no
78-93-3	2-Butanone	0.62	Not Detected		300	no
156-59-2	cis-1,2-Dichloroethene	0.17	Not Detected		10	пo
67-66-3	Chloroform	0.30	Not Detected		6	no
75-55-6	1,1,1-Trichloroethane	0.23	Not Detected		30	no
56-23-5	Carbon Tetrachloride	0.47	Not Detected		2	no
71-43-2	Benzeze	0.23	Not Detected		1	no
107-06-2	1,2-Dichloroethane	0.18	Not Detected		2	no
79-01-6	Trichloroethene	0.23	Not Detected		1	ю
78-87-5	1, 2-Dichloropropane	0.40	Not Detected		ı	no
75-27-4	Bromodichloromethane	0.55	Not Detected		1	по
110-75-8	2-Chloroethyl vinyl ether	0.65	Not Detected		nle	по
10061-01-5	cis-1,3-Dichloropropene	0.69	Not Detected		nle	ю

Table 3 VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:

FMETL

NJDEP#

13461

Matrix: (soil/water) WATER

Date Sampled:

1/22/99

Location:

<u>64</u>

Lab Sample ID: 4203.02(Field Blank)

1			·			
CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
108-10-1	4-Methyl-2-Pentanone	0.59	Not Detected		400	no
108-88-3	Toluene	0,37	Not Detected		1000	ло
10061-02-6	trans-1,3-Dichloropropene	0.87	Not Detected		nle	no
79-00-5	1,1,2-Trichloroethane	0.48	Not Detected		3	no
127-18-4	Tetrachloroethene	0.32	Not Detected	**	1	110
591-78-6	2-Hexanone	0.71	Not Detected		nle	no
126-48-1	Dibromochloromethane	0.86	Not Detected	<u></u>	10	no
108-90-7	Chlorobenzene	0,39	Not Detected		4	no
100-41-4	Ethylbenzene	0.65	Not Detected		700	no
1330-20-7	m+p-Xylenes	1.14	Not Detected		nle	по
1330-20-7	o-Xylene	0.62	Not Detected		nle	no
100-42-5	Styrene	0.56	Not Detected	-	100	no .
75-25-2	Bromoform	0.70	Not Detected		4	no
79-34-5	1,1,2,2-Tetrachloroethane	0.47	Not Detected	-	2	по
541-73-1	1,3-Dichlorobenzene	0.55	Not Detected	+-	600	по
106-46-7	1,4-Dichlorobenzene	0.57	Not Detected	••	75	ю
95-50-1	1,2-Dichlorobenzene	0.64	Not Detected		600	по

Table 3 VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

<u>1/22/99</u>

Location:

<u>64</u>

Lab Sample ID: 4203.03(Bldg 64)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
107028	Acrolein	1.85	Not Detected		50	no
107131	Acrylonitrile	2.78	Not Detected		50	no
75650	tert-Butyl alcohol	8.52	Not Detected		nle	no
1634044	Methyl-tert-Butyl ether	0.16	Not Detected		nle	no
108203	Di-isopropyl ether	0.25	Not Detected		nle	по
	Dichlorodifluoromethane	1.68	Not Detected		nle	по
74-87-3	Chloromethane	1,16	Not Detected		30	no
75-01-4	Vinyl Chloride	1.06	Not Detected	<u> </u>	5	no
74-83-9	Bromomethane	1.10	Not Detected		10	no
75-00-3	Chloroethane	1,01	Not Detected		nle	no
75-69-4	Trichlorofluoromethane	0.50	Not Detected		nle	no
75-35-4	1, 1-Dichloroethene	0.24	Not Detected		2	no
67-64-1	Acetone	1,36	Not Detected	+-	700	no
75-15-0	Carbon Disulfide	0.46	Not Detected		nle	no
75-09-2	Methylene Chloride	0.24	Not Detected	•	2	no
156-60-5	trans-1,2-Dichloroethene	0.16	Not Detected		100	по
75-35-3	1,1-Dichloroethane	0,12	Not Detected		70	по
108-05-4	Vinyl Acetate	0.78	Not Detected		nle	no
78-93-3	2-Butanone	0.62	Not Detected		300	no
156-59-2	cis-1,2-Dichloroethene	0.17	Not Detected		10	no
67-66-3	Chloroform	0.30	Not Detected		6	no
75-55-6	1,1,1-Trichloroethane	0.23	Not Detected		30	ю
56-23-5	Carbon Tetrachloride	0.47	Not Detected		2	no
71-43-2	Benzeze	0.23	Not Detected		1	по
107-06-2	1,2-Dichloroethane	0.18	Not Detected		_ 2	no
79-01-6	Trichloroethene	0.23	Not Detected		1	no
78-87-5	1, 2-Dichloropropane	0.40	Not Detected		1	no
75-27-4	Bromodichloromethane	0.55	Not Detected		1	по
110-75-8	2-Chloroethyl vinyl ether	0.65	Not Detected		nle	no
10061-01-5	cis-1,3-Dichloropropene	0.69	Not Detected		nle	по

Table 3 VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:

FMETL

NJDEP#

13461

Matrix: (soil/water) WATER

Date Sampled:

1/22/99

Location:

<u>64</u>

Lab Sample ID: 4203.03(Bldg 64)

						_
CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
108-10-1	4-Methyl-2-Pentanone	0.59	Not Detected		400	по
108-88-3	Toluene	0.37	Not Detected		1000	по
10061-02-6	trans-1,3-Dichkoropropene	0.87	Not Detected		nle	no
79-00-5	1,1,2-Trichloroethane	0.48	Not Detected		3	по
127-18-4	Tetrachloroethene	0.32	Not Detected		1	no
591-78-6	2-Нехаполе	0.71	Not Detected		nle	ю
126-48-1	Dibromochloromethane	0.86	Not Detected		10	. 100
108-90-7	Chlorobenzene	0.39	Not Detected		· 4	ю
100-41-4	Ethylbenzene	0.65	Not Detected	••	700	100
1330-20-7	m+p-Xylenes	1.14	Not Detected		nle	DQ
1330-20-7	o-Xylene	0,62	Not Detected		nle	no
100-42-5	Styrene	0.56	Not Detected	-	100	. no ;
75-25-2	Вготоботт	0.70	Not Detected		4	no
79-34-5	1,1,2,2-Tetrachloroethane	0.47	Not Detected		2	110
541-73-1	1,3-Dichlorobenzene	0.55	Not Detected		600	no
106-46-7	1,4-Dichlorobenzene	0.57	Not Detected		75	ю
95-50-1	1,2-Dichlorobenzene	0.64	Not Detected		600	no

Table 3 VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

1/22/99

Location:

<u>64</u>

Lab Sample ID: 4203.05(Dup 64)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
107028	Acrolein	1.85	Not Detected		50	no
107131	Acrylonitrile	2.78	Not Detected		50	по
75650	tert-Butyl alcohol	8.52	Not Detected		nle	ро
1634044	Methyl-tert-Butyl ether	0.16	Not Detected		nle	по
108203	Di-isopropyl ether	0.25	Not Detected		nle	no
	Dichlorodifluoromethane	1.68	Not Detected		nle	no
74-87-3	Chloromethane	1.16	Not Detected		30	no
75-01-4	Vinyl Chloride	1.06	Not Detected		5	no
74-83-9	Bromomethane	1,10	Not Detected		10	. no
75-00-3	Chloroethane	1.01	Not Detected		nle	no
75-69-4	Trichlorofhuoromethane	0.50	: Not Detected	,	nle	no
75-35-4	1, 1-Dichloroethene	0.24	Not Detected	·	2	110
67-64-1	Acetone	1.36	Not Detected		700	по
75-15-0	Carbon Disulfide	0.46	Not Detected		nle	no
75-09-2	Methylene Chloride	0.24	Not Detected	·	2	no
156-60-5	trans-1,2-Dichloroethene	0.16	Not Detected	. -	100	ю
75-35-3	1,1-Dichloroethane	0.12	Not Detected		70	no
108-05-4	Vinyl Acetate	0.78	Not Detected		nle	по
78-93-3	2-Butanone	0.62	Not Detected	••	300	no
156-59-2	cis-1,2-Dichloroethene	0.17	Not Detected	•	10	no
67-66-3	Chloroform	0,30	Not Detected	41.00	6	по
75-55-6	1,1,1-Trichloroethane	0.23	Not Detected		30	по
56-23-5	Carbon Tetrachloride	0.47	Not Detected	**	2	по
71-43-2	Benzeze	0.23	Not Detected		1	no
107-06-2	1,2-Dichloroethane	0.18	Not Detected		2	no
79-01-6	Trichloroethene	0.23	Not Detected		1	no
78-87-5	1, 2-Dichloropropane	0.40	Not Detected	**	1	no
75-27-4	Bromodichioromethane	0,55	Not Detected	**	1	no
110-75-8	2-Chloroethyl vinyl ether	0.65	Not Detected		nle	no
10061-01-5	cis-1,3-Dichloropropene	0.69	Not Detected	**	nle	no

Table 3 VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

1/22/99

Location:

<u>64</u>

Lab Sample ID: 4203.03(Dup 64)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
108-10-1	4-Methyl-2-Pentanone	0.59	Not Detected		400	по
108-88-3	Toluene	0.37	Not Detected		1000	ю
10061-02-6	trans-1,3-Dichloropropene	0.87	Not Detected		nle	по
79-00-5	1,1,2-Trichloroethane	0.48	Not Detected		3	no
127-18-4	Tetrachloroethene	0.32	Not Detected		1	no
591-78-6	2-Нехапопе	0.71	Not Detected		nle	no
126-48-1	Dibromochloromethane	0.86	Not Detected		10	по
108-90-7	Chlorobenzene	0.39	Not Detected		4	DO
100-41-4	Ethylbenzene	0.65	Not Detected		700	по
1330-20-7	m+p-Xylenes	1.14	Not Detected	+-	nle	· no
1330-20-7	o-Xylene	0.62	Not Detected		nle	ю
100-42-5	Styrene	0.56	Not Detected		100	110
75-25-2	Bromoform	0.70	Not Detected		4	no no
79-34-5	1,1,2,2-Tetrachloroethane	0.47	Not Detected	· ·	2	no
541-73-1	1,3-Dichlorobenzene	0.55	Not Detected		600	ю
106-46-7	1,4-Dichlorobenzene	0.57	Not Detected		75	no
95-50-1	1,2-Dichlorobenzene	0.64	Not Detected		600	no

19 of 24

Table 3 SEMI-VOLATILE ANALYSIS DATA SHEET

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

1/22/99

Location:

<u>64</u>

Lab Sample ID: 4203.02(Field Blank)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
110-86-1	Pyridine	2,52	Not Detected		nle	no
62-75-9	N-nitroso-dimethylamine	2.64	Not Detected		20	no
62-53-3	Aniline	2.90	Not Detected		nle	по
111-44-4	bis(2-Chloroethyl)ether	2,45	Not Detected		10	по
541-73-1	1,3-Dichlorobenzene	2.65	Not Detected		600	110
106-46-7	1,4-Dichlorobenzene	2.50	Not Detected		75	no
100-51-6	Benzyl alcohol	2.09	Not Detected		nle	по
95-50-1	1,2-Dichlorobenzene	2,44	Not Detected		600	no
108-60-1	bis(2-chloroisopropyl)ether	2.96	Not Detected		300	no
621-64-7	n-Nitroso-di-n-propylamine	2.22	Not Detected	-	20	но
67-72-1	Hexachloroethane	2.59	Not Detected		10	по
98-95-3	Nitrobenzene	2.45	Not Detected		10	no
78-59-1	Isophorone	2.31	Not Detected		100	no
111-91-1	bis(2-Chloroethoxy)methane	2.54	Not Detected		nle	110
120-82-1	1,2,4-Trichlorobenzene	2.58	Not Detected		9	по
91-20-3	Naphthalene	3.03	Not Detected		nle	по
106-47-8	4-Chloroaniline	2.55	Not Detected		nle	по
87-68-3	Hexachlorobutadiene	0.64	Not Detected		ı	no
91-57-6	2-Methylnaphthalene	2,49	Not Detected		nle	по
77-47-4	Hexachlorocyclopentadiene	1,59	Not Detected		50	по
91-58-7	2-Chloronaphthalene	2.15	Not Detected		nle	по
88-74-4	2-Nitroaniline	1.62	Not Detected		nle	по
131-11-3	Dimethylphthalate	2.74	Not Detected		7000	по
208-96-8	Acenaphthylene	2.35	Not Detected		nle	по

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

1/22/99

Location:

64

Lab Sample ID: 4203.02(Field Blank)

Date Sampled: <u>1/22/99</u>		Location:	<u>64</u>	Lab Sample ID: 4203.02(Field Blank)			
CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA	
606-20-2	2,6-Dinitrotoluene	1.54	Not Detected		nle	no	
99-09-2	3-Nitroaniline	1.62	Not Detected		nle	no	
83-32-9	Acenaphthene	1.98	Not Detected		400	no	
132-64-9	Dibenzofuran	2.13	Not Detected	-	nle	no	
121-14-2	2,4-Dinitrotoluene	1.22	Not Detected		10	no	
84-66-2	Diethylphthalate	1.68	Not Detected		5000	то	
86-73-7	Fluorene	1.93	Not Detected	-	300	no	
7005-72-3	4-Chlorophenyl-phenylether	1,53	Not Detected		nle	по	
100-01-6	4-Nitroaniline	2.70	Not Detected		nle	100	
86-30-6	n-Nitrosodiphenylamine	1.73	Not Detected		20	no .	
103-33-3	Azobenzene	1,92	Not Detected		nle	no	
101-55-3	4-Bromophenyl-phenylether	1.54	Not Detected		nle	no	
118-74-1	Hexachlorobenzene	1.88	Not Detected		10 ·	no	
85-01-8	Phenanthrene	1.67	Not Detected		nle	no	
120-12-7	Anthracene	1.79	Not Detected		2000	по	
84-74-2	Di-n-butylphthalate	1.83	Not Detected		900	no	
206-44-0	Fluoranthene	1.85	Not Detected		300	no	
92-87-5	Benzidine	4.11	Not Detected		50	no	
129-00-0	Pyrene	1.02	Not Detected	**	200	по	
85-68-7	Butyibenzylphthalate	1.15	Not Detected		100	ю	
56-55-3	Benzo[a]anthracene	1.57	Not Detected		10	110	
91-94-1	3,3'-Dichlorobenzidine	2.28	Not Detected		60	по	
218-01-9	Chrysene	2.32	Not Detected	~	20	110	
117-81-7	bis(2-Ethylhexyl)phthalate	1,29	1.20 ug/l		30	IЮ	
117-84-0	Di-n-octylphthalate	1.30	Not Detected		100	по	
205-99-2	Benzo[b]fluoranthene	1.31	Not Detected		10	11/0	
207-08-9	Benzo[k]fluoranthene	1.57	Not Detected		2	no	
50-32-8	Benzo[a]pyrene	1.36	Not Detected		20	no	
193-39-5	Indeno[1,2,3-cd]pyrene	1.22	Not Detected		20	no	
53-70-3	Dibenz[a,h]anthracene	3,12	Not Detected		20	ъо	
191-24-2	Benzo[g,h,i]perylene	1.13	Not Detected		nle	no	

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

1/22/99

Location:

<u>64</u>

Lab Sample ID: 4203.04(Bldg 64)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
110-86-1	Pyridine	2.52	Not Detected		nle	no
62-75-9	N-nitroso-dimethylamine	2.64	Not Detected		20	no
62-53-3	Aniline	2.90	Not Detected		nle	no
111-44-4	bis(2-Chloroethyl)ether	2.45	Not Detected		10	no
541-73-1	1,3-Dichlorobenzene	2.65	Not Detected		600	ю
106-46-7	1,4-Dichlorobenzene	2.50	Not Detected		75	no
100-51-6	Benzyl alcohol	2.09	Not Detected		nle	no
95-50-1	1,2-Dichlorobenzene	2.44	Not Detected		600	no ·
108-60-1	bis(2-chloroisopropyl)ether	2.96	Not Detected		300	no
621-64-7	n-Nitroso-di-n-propylamine	2.22	Not Detected		. 20	ю
67-72-1	Hexachloroethane	2.59	Not Detected		10	ю
98-95-3	Nitrobenzene	2.45	Not Detected		10	no
78-59-1	Isophorone	2.31	Not Detected		100	ю
111-91-1	bis(2-Chloroethoxy)methane	2.54	Not Detected		nle	110 .
120-82-1	1,2,4-Trichtorobenzene	2.58	Not Detected		9	110
91-20-3	Naphthalene	3.03	Not Detected		nle	по
106-47-8	4-Chloroaniline	2.55	Not Detected		nle	no
87-68-3	Hexachlorobutadiene	0.64	Not Detected		1	no .
91-57-6	2-Methylnaphthalene	2.49	2.10 ug/l		nle	ро
77-47-4	Hexachlorocyclopentadiene	1.59	Not Detected		50	по
91-58-7	2-Chloronaphthalene	2.15	Not Detected		пІе	no
88-74-4	2-Nitroaniline	1.62	Not Detected		nle	no
131-11-3	Dimethylphthalate	2.74	Not Detected		7000	no
208-96-8	Acenaphthylene	2.35	Not Detected		nle	no

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

1/22/99

Location:

64

Lab Sample ID: 4203.04(Bldg 64)

RESULTS QUALIFIER REGULATORY CAS NO. COMPOUND NAME MDL **EXCEEDS** (ug/L) LEVEL(ug/L) CRITERIA 1.54 606-20-2 2,6-Dinitrotoluene Not Detected 99-09-2 1.62 3-Nitroaniline nle ΠĎ Not Detected 1.98 83-32-9 400 Acenaphthene Not Detected no 2.13 132-64-9 Dibenzofuran nle ВO Not Detected 1.22 121-14-2 2,4-Dinitrotoluene 10 no Not Detected 1.68 84-66-2 Diethylphthalate 5000 ВO Not Detected 1.93 86-73-7 Fluorene 300 īЮ 3.81 ug/l 1.53 7005-72-3 4-Chlorophenyl-phenylether DО Not Detected nle 2.70 100-01-6 4-Nitroaniline nle DQ Not Detected --1.73 86-30-6 n-Nitrosodiphenylamine 20 no Not Detected 1.92 103-33-3 Azobenzene nle по Not Detected 1.54 101-55-3 4-Bromophenyl-phenylether nle по Not Detected __ 1.88 118-74-1 Hexachlorobenzene 10 no Not Detected 1.67 4.34 ug/l 85-01-8 Phenanthrene nle no 1.79 120-12-7 Anthracene 2000 no Not Detected 1.83 84-74-2 Di-n-butylphthalate 900 во Not Detected 1.85 206-44-0 Fluoranthene Not Detected 4.11 92-87-5 Benzidine 50 110 Not Detected 1.02 129-00-0 Pyrene 200 no Not Detected 85-68-7 1.15 Butylbenzylphthalate 100 no Not Detected 56-55-3 1.57 Benzo[a]anthracene 10 no Not Detected 91-94-1 3,3'-Dichlorobenzidine 2.28 60 по Not Detected --2.32 218-01-9 Chrysene 20 по Not Detected 1.29 117-81-7 bis(2-Ethylhexyl)phthalate 30 no 2.59 ug/l 1.30 117-84-0 Di-n-octylphthalate 100 Not Detected no 1.31 205-99-2 10 Benzo[b]fluoranthene по Not Detected 1.57 207-08-9 2 Benzo[k]fluoranthene no Not Detected 1.36 50-32-8 Benzo[a]pyrene 20 no Not Detected 1.22 193-39-5 Indeno[1,2,3-cd]pyrene 20 ю Not Detected 3.12 53-70-3 Dibenz[a,h]anthracene 20 Not Detected 1.13 191-24-2 Benzo[g,h,i]perylene пle Not Detected

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

<u>1/22/99</u>

Location:

<u>64</u>

Lab Sample ID: 4203,05(Dup 64)

CAS NO.	COMPOUND NAME	MDL (ug/L)	RESULTS	QUALIFIER	REGULATORY LEVEL(ug/L)	EXCEEDS CRITERIA
110-86-1	Pyridine	2.52	Not Detected		nle	no
62-75-9	N-nitroso-dimethylamine	2,64	Not Detected		20	во
62-53-3	Aniline	2.90	Not Detected		nle	no
111-44-4	bis(2-Chloroethyl)ether	2,45	Not Detected	***	10	no
541-73-1	1,3-Dichlorobenzene	2.65	Not Detected		600	no
106-46-7	1,4-Dichlorobenzene	2.50	Not Detected		75	ю
100-51-6	Benzyl alcohol	2.09	Not Detected		nle	no
95-50-1	1,2-Dichlorobenzene	2.44	Not Detected		600	по
108-60-1	bis(2-chloroisopropyl)ether	2.96	Not Detected		300	по
621-64-7	n-Nitroso-di-n-propylamine	2,22	Not Detected		20	no
67-72-1	Hexachloroethane	2.59	Not Detected	-	10	no
98-95-3	Nitrobenzene	2.45	Not Detected		10	110
78-59-1	Isophorone	2.31	Not Detected		100	no
111-91-1	bis(2-Chloroethoxy)methane	2.54	Not Detected		nle	no
120-82-1	1,2,4-Trichlorobenzene	2.58	Not Detected		9	по
91-20-3	Naphthalene	3.03	Not Detected	**	nie	по
106-47-8	4-Chloroaniline	2.55	Not Detected		nle	no
87-68-3	Hexachlorobutadiene	0,64	Not Detected		1	no
91-57-6	2-Methylnaphthalene	2.49	Not Detected		nle	по
77-47-4	Hexachlorocyclopentadiene	1.59	Not Detected		50	no
91-58-7	2-Chloronaphthalene	2.15	Not Detected	~-	nie	no
88-74-4	2-Nitroaniline	1.62	Not Detected		nle	no
131-11-3	Dimethylphthalate	2.74	Not Detected		7000	no
208-96-8	Acenaphthylene	2.35	Not Detected		nle	но

Lab Name:

FMETL

NJDEP#

<u>13461</u>

Matrix: (soil/water) WATER

Date Sampled:

1/22/99

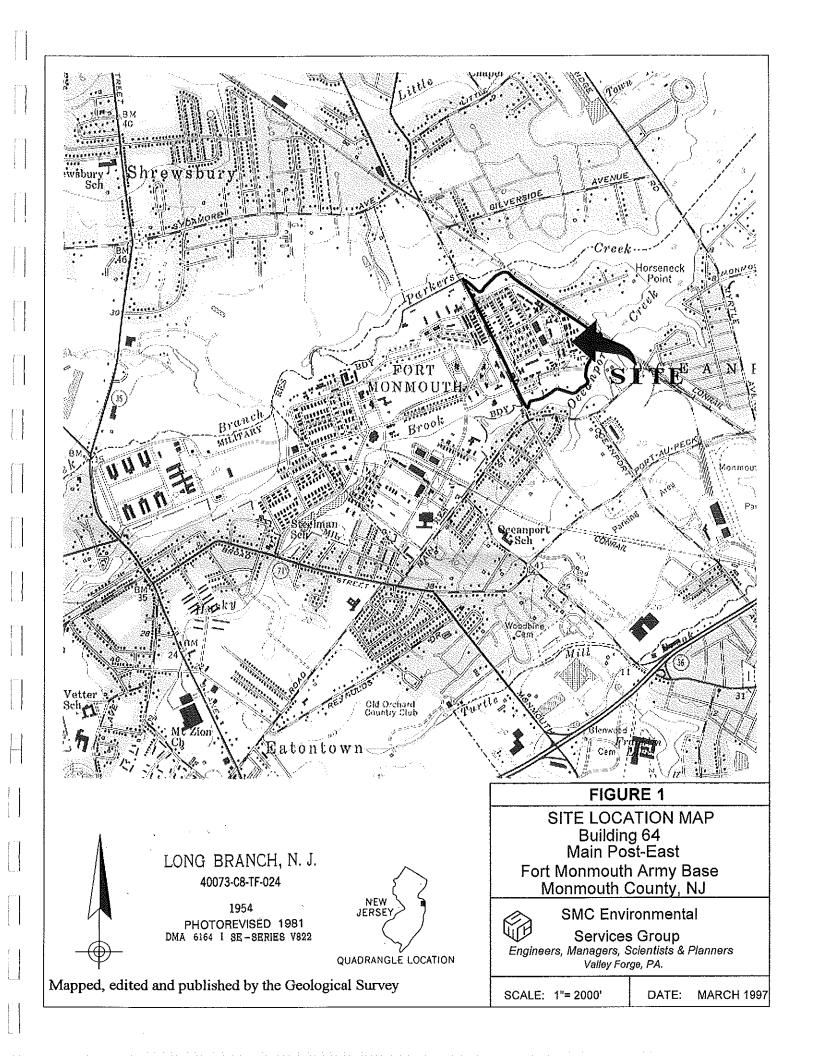
Location:

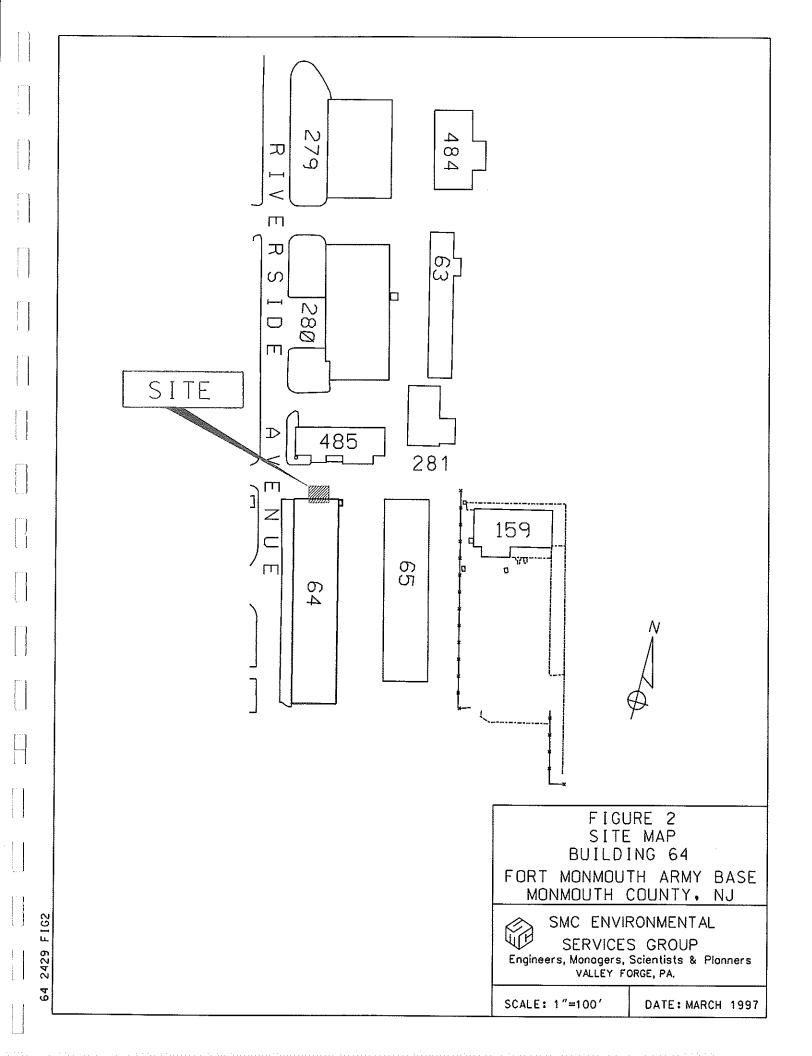
<u>64</u>

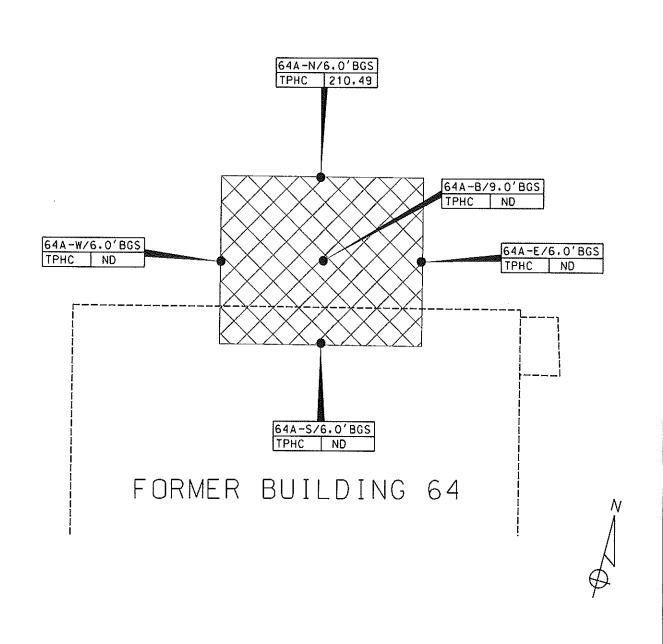
Lab Sample ID: 4203.05(Dup 64)

CAS NO. COMPOUND NAME MDL (ugPL) RESULTS QUALIFIER REGULATORY EXCEEDS CRITERIA	Date Sample	ed: <u>1/22/99</u>	Location:	<u>04</u>	Lau S	anipie 10: 4203.0	ואס לוויכו)כו
1.00	CAS NO.	COMPOUND NAME		RESULTS	QUALIFIER		
1989 Principal Company 1989 Not Detected 1989 1889	606-20-2	2,6-Dinitrotoluene	1,54	Not Detected		nle	no
132.64-9 Diberazinate 2.13 Not Detected 10 10 10 121-14-2 2,4-Dinitrotohume 1.22 Not Detected 10 10 10 10 10 10 1	99-09-2	3-Nitroaniline	1.62	Not Detected		nle	no
121-14-2	83-32-9	Acenaphthene	1.98	Not Detected		400	no
24-0-2-1	132-64-9	Dibenzofuran	2.13	Not Detected		nle	no
Rot December 1.93 2.31 ugf 300 no	121-14-2	2,4-Dinitrotoluene	1.22	Not Detected		10	no
100-07-07-07-07-07-07-07-07-07-07-07-07-0	84-66-2	Diethylphthalate	1.68	Not Detected		5000	no
Not Detected Not	86-73-7	Fluorene	1,93	2.31 ug/l	••	300	ю
Ref Detected Ref	7005-72-3	4-Chlorophenyl-phenylether	1.53	Not Detected		nle	no
103-33-3 Azobenzene 1.92 Not Detected nle no	100-01-6	4-Nitroaniline	2.70	Not Detected	**	nle	no
101-55-3	86-30-6	n-Nitrosodiphenylamine	1.73	Not Detected	••	20	ю
118-74-1	103-33-3	Azobenzene	1,92	Not Detected		nle	no .
1.67 1.67	101-55-3	4-Bromophenyl-phenylether	1.54	Not Detected	٠.,	nle	ю
120-12-7 Anthracene 1.79 Not Detected 2000 no	118-74-1	Hexachlorobenzene	1.88	Not Detected	·	10	no :
1.83 Not Detected	85-01-8	Phenanthrene	1,67	2.91 ug/l		nle	по
206-44-0 Fluorambene 1.85 Not Detected 300 no	120-12-7	Anthracene	1.79	Not Detected		2000	по
Second S	84-74-2	Di-n-butylphthalate	1.83	Not Detected		900	no
129-00-0 Pyrene 1.02 Not Detected 200 no	206-44-0	Fluoranthene	1.85	Not Detected		300	по
85-68-7 Butylbenzylphthalate 1.15 Not Detected 100 no	92-87-5	Benzidine	4.11	Not Detected		50	ю
Solution	129-00-0	Pyrene	1.02	Not Detected	<u></u>	200	no
91-94-1 3,3'-Dichlorobenzidine 2.28 Not Detected 60 no 218-01-9 Chrysene 2.32 Not Detected 20 no 117-81-7 bis(2-Ethylhexyl)phthalate 1.29 3.41 ug/l 30 no 117-84-0 Di-n-octylphthalate 1.30 Not Detected 100 no 205-99-2 Benzo[b]fluoranthene 1.31 Not Detected 10 no 207-08-9 Benzo[k]fluoranthene 1.57 Not Detected 2 no 50-32-8 Benzo[a]pyrene 1.36 Not Detected 20 no 193-39-5 Indeno[1,2,3-cd]pyrene 1.22 Not Detected 20 no 53-70-3 Dibenz[a,h]anthracene 3.12 Not Detected 20 no	85-68-7	Butylbenzylphthalate	1.15	Not Detected		100	no
218-01-9 Chrysene 2.32 Not Detected 20 no 117-81-7 bis(2-Ethylhexyl)phthalate 1.29 3.41 ug/l 30 no 117-84-0 Di-n-octylphthalate 1.30 Not Detected 100 no 205-99-2 Benzo[b]fluoranthene 1.31 Not Detected 10 no 207-08-9 Benzo[k]fluoranthene 1.57 Not Detected 2 no 50-32-8 Benzo[a]pyrene 1.36 Not Detected 20 no 193-39-5 Indeno[1,2,3-cd]pyrene 1.22 Not Detected 20 no 53-70-3 Dibenz[a,h]anthracene 3.12 Not Detected 20 no	56-55-3	Benzo[a]anthracene	1.57	Not Detected		10	по
117-81-7 bis(2-Ethylhexyl)phthalate 1.29 3.41 ug/l 30 no 117-84-0 Di-n-octylphthalate 1.30 Not Detected 100 no 205-99-2 Benzo[b]fluoranthene 1.31 Not Detected 10 no 207-08-9 Benzo[k]fluoranthene 1.57 Not Detected 2 no 50-32-8 Benzo[a]pyrene 1.36 Not Detected 20 no 193-39-5 Indeno[1,2,3-cd]pyrene 1.22 Not Detected 20 no 53-70-3 Dibenz[a,h]anthracene 3.12 Not Detected 20 no	91-94-1	3,3'-Dichlorobenzidine	2.28	Not Detected	<u></u>	60	no
117-84-0 Di-n-octylphthalate 1.30 Not Detected 100 no 205-99-2 Benzo[b]ftuoranthene 1.31 Not Detected 10 no 207-08-9 Benzo[k]fluoranthene 1.57 Not Detected 2 no 50-32-8 Benzo[a]pyrene 1.36 Not Detected 20 no 193-39-5 Indeno[1,2,3-cd]pyrene 1.22 Not Detected 20 no 53-70-3 Dibenz[a,h]anthracene 3.12 Not Detected 20 no	218-01-9	Chrysene	2.32	Not Detected		20	no
205-99-2 Benzo[b]ftuoranthene 1.31 Not Detected 10 no	117-81-7	bis(2-Ethylhexyl)phthalate	1.29	3.41 ug/l	••	30	no
207-08-9 Benzo[k]fluoranthene 1.57 Not Detected 2 no 50-32-8 Benzo[a]pyrene 1.36 Not Detected 20 no 193-39-5 Indeno[1,2,3-cd]pyrene 1.22 Not Detected 20 no 53-70-3 Dibenz[a,h]anthracene 3.12 Not Detected 20 no	117-84-0	Di-n-octylphthalate	1.30	Not Detected		100	no
50-32-8 Benzo[a]pyrene 1.36 Not Detected 20 no 193-39-5 Indeno[1,2,3-cd]pyrene 1.22 Not Detected 20 no 53-70-3 Dibenz[a,h]anthracene 3.12 Not Detected 20 no	205-99-2	Benzo[b]fluoranthene	1.31	Not Detected	**	10	no
193-39-5 Indeno[1,2,3-cd]pyrene 1.22 Not Detected 20 no 53-70-3 Dibenz[a,h]anthracene 3.12 Not Detected 20 no	207-08-9	Benzo[k]fluoranthene	1.57	Not Detected		2	no
53-70-3 Dibenz[a,h]anthracene 3.12 Not Detected 20 no	50-32-8	Benzo[a]pyrene	1.36	Not Detected	••	20	no
33-10-3 Distribution Interpretation	193-39-5	Indeno[1,2,3-cd]pyrene	1.22	Not Detected		20	no
191-24-2 Benzole h ilnerviene 1.13 Not Detected - nic no	53-70-3	Dibenz[a,h]anthracene	3.12	Not Detected		20	no
1 100 Detector	191-24-2	Benzo[g,h,i]perylene	1.13	Not Detected		nle	no

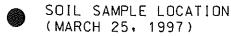
FIGURES

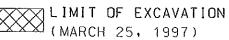






LEGEND





NOTES:

- 1. ALL RESULTS IN MG/KG.
- 2. SEE TABLE 2 FOR NJDEP SOIL CLEANUP CRITERIA
- 3. BGS = BELOW GROUND SURFACE

FIGURE 3
SOIL SAMPLING LOCATION MAP
BUILDING 64

FORT MONMOUTH ARMY BASE MONMOUTH COUNTY, NJ



SMC ENVIRONMENTAL

SERVICES GROUP
Engineers, Managers, Scientists & Planners
VALLEY FORGE, PA.

SCALE: 1"=10'

DATE: MARCH 1997

7429 FIG

APPENDIX A SOIL ANALYTICAL DATA PACKAGE

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY NJDEPE # 13461

REPORT OF ANALYSIS

Client:

U.S. Army

DPW, SELFM-PW-EV

Bldg. 173

Ft. Monmouth, NJ 07703

Project:

Total Petroleum Hydrocarbons

2429

AREA-64A

Project # 2407 Date Rec. 03/25/97 Date Comp. 03/26/97 Released by:

> Daniel K. Wright Laboratory Director

Table of Contents

Section	 <u>Pages</u>
Cover Sheet	1
Table of Contents	2
Method Summary	3
Conformance/Non-Conformance	4
Chain of Custody	5
Results Summary	6
Initial Calibration Summary	7
Continuing Calibration Summary	8-9
Surrogate Results Summary	.10
MS/MSD Results Summary	11
Quality Control Spike Summary	12
Raw Sample Data	13-22
Laboratory Deliverable Checklist	23

Method Summary

NJDEP Method OQA-QAM-025-10/97

Gas Chromatographic Determination of Total Petroleum Hydrocarbons in Soil

Fifteen grams (15g)(wet weight) of a soil sample is added to a 125 mL acid cleaned, solvent rinsed, capped Erlenmeyer flask. 15g anhydrous sodium sulfate is added to dry sample. Surrogate standard spiking solution is then added to the flask.

Twenty five milliliters(25mL) Methylene Chloride is added to the flask and it is secured on a gyrotory shaker table. The agitation rate is set to 400rpm and the sample is shaken for 30 minutes. The flask is the removed from the table and the particulate matter is allowed to settle. The extract is transferred to a Teflon capped vial. A second 25mL of Methylene Chloride is added to the flask and shaken for an additional 30 minutes. The flask is again removed and allowed to settle. The extracts are combined in the vial then transferred to a 1mL autosampler vial.

The extract is then injected directly into a GC-FID for analysis. The sample is analyzed for petroleum hydrocarbons covering a range of C8-C42 including pristane and phytane. Total Petroleum Hydrocarbon concentration is determined by integrating between 5 minutes and 22 minutes. The baseline is established by starting the integration after the end of the solvent peak and stopping after the last peak.

The final concentration of Total Petroleum Hydrocarbons is calculated using percent solid, sample weight and concentration.

PHC Conformance/Non-conformance Summary Report

	<u>No Yes</u>
1. Method Detection Limits provided.	
2. Method Blank Contamination - If yes, list the sample and the corresponding concentrations in each blank.	
3. Matrix Spike Results Summary Meet Criteria. (If not met, list the sample and corresponding recovery which falls outside the acceptable range).	
4. Duplicate Results Summary Meet Criteria. (If not met, list the sample and corresponding recovery which falls outside the acceptable range).	
	• •
5. IR Spectra submitted for standards, blanks, & samples	NA
6. Chromatograms submitted for standards, blanks, and samples if GC fingerprinting was conducted.	
7. Analysis holding time met.	
(If not met, list number of days exceeded for each sample)	
Additional Comments:	

Laboratory Authentication Statement

I certify under penalty of law, where applicable, that this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18 and 40 CFR Part 136 for Water and Wastewater Analyses and SW 846 for Solid Waste Analysis. I have personally examined the information contained in this report, and to the best of my knowledge, I believe that the submitted information is true, accurate, complete, and meets the above referenced standards where applicable. I am aware that there are significant penalties for purposefully submitting falsified information, including the possibility of a fine and imprisonment.

Daniel K. Wright Laboratory Manager



print legibly

Fort Monmouth Environmental Testing Laboratory

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

Tel (908)532-4359 Fax (908)532-3484 EMail:appleby@dc.m6.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

			Marketon W.		rage
Customer: 5 M C	/David Daniels/	Project No: Location:	4	Analysis Parameters	Comments:
()DERA (X)OMA (/David Daniels/ ChuckApplet	2429 Area	64 A		Need 24 hr
Sampler's Signature:	19),			Solids	Need 24 hr Rush
Dave 1	1. Warred	time pate	Sample	X 7	
Lab Sample I.D.	Sample Location	Date Time	Type	Y-196	Remarks / Preservation Method
2407.1	64A-B	14:10 3.25.97	≤0i)	L X	
	64A-5	14215			
	64A-N	14:20			
	64A-E	14:25			11-11-11-11-11-11-11-11-11-11-11-11-11-
V	64A-W	14:30 V	V	VV	
			ļ		
Relinquished by (signatu	te): Date/Time: 3-25.97 15:15	Received by (signature):		Relinquished by (signature):	Date/Time: Received by (signature):
Relinquished by (signatu		Received by (signature):		Relinquished by (signature):	Date/Time: Received by (signature):
Relinquished by (signatu	re): Date/Time:	Received for lal oratory by	(signature):	Date/T ne: Remarks:	·
		<u></u>		والمراجع المساورة فالمبار والمساوي والأراب والمساوية	Cusicity.xist/15/9/

Report of Analysis U.S. Army, Fort Monmouth Environmental Laboratory NJDEP Certification # 13461

Client:

U.S. Army

Lab, ID#:

2407

DPW, SELFM-PW-EV

Date Rec'd:

25-Mar-97

Bldg. 173

Analysis Start:

26-Mar-97

Ft. Monmouth, NJ 07703

Analysis Complete:

26-Mar-97

Analysis:

OQA-QAM-025

UST Reg. #:

Matrix:

Soil

Closure #:

Analyst:

P. Skelton

DICAR#:

Location #

Ext. Meth:	Shake			Location #:		Area 64A
Sample	Field ID	Dilution Factor	Weight (g)	% Solid	MDL, (mg/kg)	TPHC Result (mg/kg)
2407.01	64A-B	1.00	15.57	81.29	186	0.00
2407.02	64A-S	1.00	15.46	82.51	184	0.00
2407.03	64A-N	1.00	15.15	82.95	187	210.49
2407.04	64A-E	1.00	15.89	83.55	177	0.00
2407.05	64A-W	1,00	15.94	80.96	182	0.00
					<u> </u>	
						,
METHOD BLANK	3/25/97	1.00	15.00	100.00	157	0.00

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright Laboratory Director

LABORATORY DELIVERABLES CHECKLIST AND NON-CONFORMANCE SUMMARY

THIS FORM MUST BE COMPLETED BY THE LABORATORY OR ENVIRONMENTAL CONSULTANT AND ACCOMPANY ALL DATA SUBMISSIONS

The following Laboratory Deliverables checklist and Non-Conformance Summary shall be included in the data submission. All deviations from the accepted methodology and procedures, of performance values outside acceptable ranges shall be summarized in the Non-Conformance Summary. The Technical Requirements for Site Remediation, effective June 7, 1993, provides further details. The document shall be bound and paginated, contain a table of contents, and all pages shall be legible. Incomplete packages will be returned or held without review until the data package is completed.

It is recommended that the analytical results summary sheets listing all targeted and non-targeted compounds with the method detection limits, practical quantitation limits, and the laboratory and/or sample numbers be included in one section of the data package <u>and</u> in the main body of the report.

1.	Cover page, Title Page listing Lab Certification #, facility name and address, & date of report submitted	
2.	Table of Contents submitted	<u> </u>
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds submitted	
4.	Document paginated and legible	
5.	Chain of Custody submitted	
6.	Samples submitted to lab within 48 hours of sample collection	
7.	Methodology Summary submitted	
8.	Laboratory Chronicle and Holding Time Check submitted	
9,	Results submitted on a dry weight basis	
10.	Method Detection Limits submitted	
11.	Lab certified by NJDEP for parameters of appropriate category of parameters or a member of the USEPA CLP	
Lab Date	oratory Manager or Environmental Consultant's Signature	

Laboratory Certification #13461

*Refer to NJAC 7:26E - Appendix A, Section IV - Reduced Data Deliverables - Non-USEPA/CLP Methods for further guidance

APPENDIX B
GROUNDWATER ANALYTICAL DATA PACKAGE

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 ENVIRONMENTAL DIVISION Fort Monmouth, New Jersey PROJECT: UST Program

Bldg. 64

Field Location No. &	Laboratory	Matrix	Date and Time	Date Received
Location	Sample ID#		Of Collection	
Trip Blank	4150.01	Aqueous	19-Dec-98	12/21/98
Field Blank	4150,02	Aqueous	19-Dec-98 08:45	12/21/98
Bldg, 64	4151.01	Aqueous	19-Dec-98 10:30	12/21/98
Bldg. 64	4151.02	Aqueous	19-Dec-98 10:40	12/21/98

ANALYSIS: FORT MONMOUTH ENVIRONMENTAL LAB VOA+15, BN+15

> Daniel Wright/Date Laboratory Director

2-5-99

Table of Contents

Section	<u>Pages</u>
Chain of Custody	1-3
Field Documentation	4-6
Methodology Summary	7-8
Conformance/Non-Conformance Summary	9-11
Laboratory Chronicle	12-13
Volatile Organics	14-15
Analytical Results Summary	16-23
Tune Results Summary	24-29
Method Blank Results Summary	30-31
Calibration Summary	32-35
Surrogate Recovery Summary	36-37
MS/MSD Results Summary	38-39
Internal Standard Area & RT Summary	40-41
Chromatograms	42-49
Base Neutrals	50
Analytical Results Summary	51-56
Tune Results Summary	57-62
Method Blank Results Summary	63-64
Calibration Summary	65-66
Surrogate Recovery Summary	67-68
MS/MSD Results Summary	69–72
Internal Standard Area & RT Summary	73-78
Chromatograms	79-84
Laboratory Deliverables Checklist	85
Laboratory Authentication Statement	86

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: Calversar			Project No:						Anal	ysis P	Comments:				
Phone #: XQ GQQ4			Location: BLAG, 64					ĸ							
()DERA (Y)OMA ()Other:			# T.V.S. PWS 0.7 Sample # Date Time Type bottles					B							- ·
Samplers Name / Cor	4 7.V.S. PWS 07 Sample			#	A	+									
Lab Sample I.D.	Lab Sample LD. Sample Location		Date	Time	Туре	botties	15	15							Remarks / Preservation Method
4151. 1	BLDG	. 64-	12-19-48	1030	AQ.	2	×								
2	3 (_	1)	104c	1/	1		×							
			,					4 L. 3	7						
										_					
															·
		· · · · · · · · · · · · · · · · · · ·													
Relinquished by (signature): Date/Time: 12-44-98 130		Received by (signature): Reli				quished	by (sig	gnature)	:	Date/Time: Received by			red by	(signature):	
		7/				quished by (signature): Date/Time:					Time:	Received by (signature):			
Report Type: ()Full, (Reduced, ()Standard, ()Screen / non-certified [urnaround time: (Standard 4 wks, ()Rush Days, ()ASAP Verbal Hrs.								Remarks: SHARGO T.B. + FIELD BLANK W/ BLOG. 65 (SAME DAY)							



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

Linear Control Control								,				·		
Customer: CA/	Project No:				Analysis Parameters								Comments:	
Phone #: X2 (06	Location: BUG. 65													
()DERA ()OMA					X	15								
	mpany: Maan Laur	<u>.</u>	Sample	#	γ 4+ γ	BN 十 15								
Lab Sample I.D. Sample Location		Date	Time	1			bottles							Remarks / Preservation Method
4150.	TRIP BLANK	12-19-98	- :	AQ.	2	X					101010101010			
2	FIELD BLANK	"	0845	1,13	3	×	X		<u> </u>					HCL / C4°C
3	BUG. 65	ij	0945	1)	3	×	×							19.007=7.0
- 4	FIECD DUP.	-1		u	3	X	×							:
					•									
									-					
				<u></u>						-				
				ļ										
									<u> </u>	<u> </u>				
Relinquished by (signature): Date/Time:		Received by (signature): Relin			Relin	quished by (signature):				Date/	Date/Time: Received by		ived by	(signature):
Relinquished by (signature): Date/Time:		1 / 1 /			Relin	nquished by (signature):):	Date/Time: Received by		ved by	(signature):	
Report Type: ()Full, (Reduced, ()Standard, ()Screen / non-certified Furnaround time: (Standard 4 wks, ()Rush Days, ()ASAP Verbal Hrs.						Remarks:								
runatound time. (Alstandard + wks, Ciklisit Days, CiksAF verbat rus.														

FIELD DOCUMENTATION