N60478.AR.000544
NWS EARLE
5090.3a

DRAFT

SEPTIC TANK DELINEATION (Building GB-02)
SAMPLE COLLECTION AT SITE 26
AT
NAVAL WEAPONS STATION - EARLE
COLTS NECK, NEW JERSEY

Issued:

September 17, 1999

Prepared for:

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Lester, PA 19113

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REMEDIAL ACTION CONTRACT N62472-94-D-0398
DELIVERY ORDER NO. 0034

Revision	Date	Prepared By:	Approved By:	Pages Affected
0	September 17, 1999	C. Joblon	M. Heffron J. Gorgal, P.E.	N/A

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1.0 INTRODUCTION

Foster Wheeler Environmental Corporation (Foster Wheeler Environmental) has been contracted by the Northern Division, Naval Facilities Engineering Command (NORDIV) to collect soil delineation samples adjacent to and test the contents of a septic tank at Site 26, at the Naval Weapons Station (NWS) Earle located in Colts Neck, NJ. This report is being submitted to satisfy the submittal requirements included in paragraph 1.2.1, Pre- and Post-Construction Documentation of the Statement of Services for Delivery Order No. 0034 under Remedial Action Contract No. N62472-94-D-0398.

2.0 SUMMARY OF ACTIVITES PERFORMED

On August 17, 1999 geoprobe borings were completed at Site 26 to determine if any volatile organic contamination was associated with the Building GB-02 septic tank. Building GB-02 is a small, round, corrugated metal building located southwest of Building GB-01. Six soil borings were driven in close proximity to the septic tank. One soil boring was completed nearby, under abandoned painting equipment. Also, one aqueous sample was collected from the contents of the septic tank. Figure 1 depicts the sample locations. Samples were sent to ChemTech Laboratories for TAL Volatile Organic Compounds (VOC) analysis. Laboratory analytical data is included as Appendix A.

A geoprobe was used to advance a 4' by 2" sampling spoon with a disposable acetate liner. Maximum depth of borings was 14 feet below ground surface (BGS). Soil samples were collected just above the water table. Depth to water ranged between 8 and 12 feet BGS. A ten gram aliquot was removed by syringe from the interval to be sampled. It was then placed directly into the laboratory bottle with methanol for preservation. A bottle was also filled with soil for percent moisture analysis. Each boring interval was screened with a Photo Ionization Detector (PID), and no soil intervals were found to be above the instrument background levels (NAB). The boring logs are included as Appendix B.

Five samples were collected for VOC analysis from the borings driven in proximity to the septic tank (26SB01 through 26SB06). Soil boring 26SB01 was used to log the lithology, therefore, no sample was collected at 26SB01. Table 1 contains the analytical results. All soil VOC results were non-detect, except numerous samples had low levels of 2-Butanone (all below the criteria limit). 2-Butanone results were rejected for the samples due to the fact that a high quantity was found in the Trip Blank that accompanied the samples. No sample was found to exceed the Non-Residential Direct Contact Soil Cleanup Criteria (N.J.A.C. 7:26D) for VOCs.

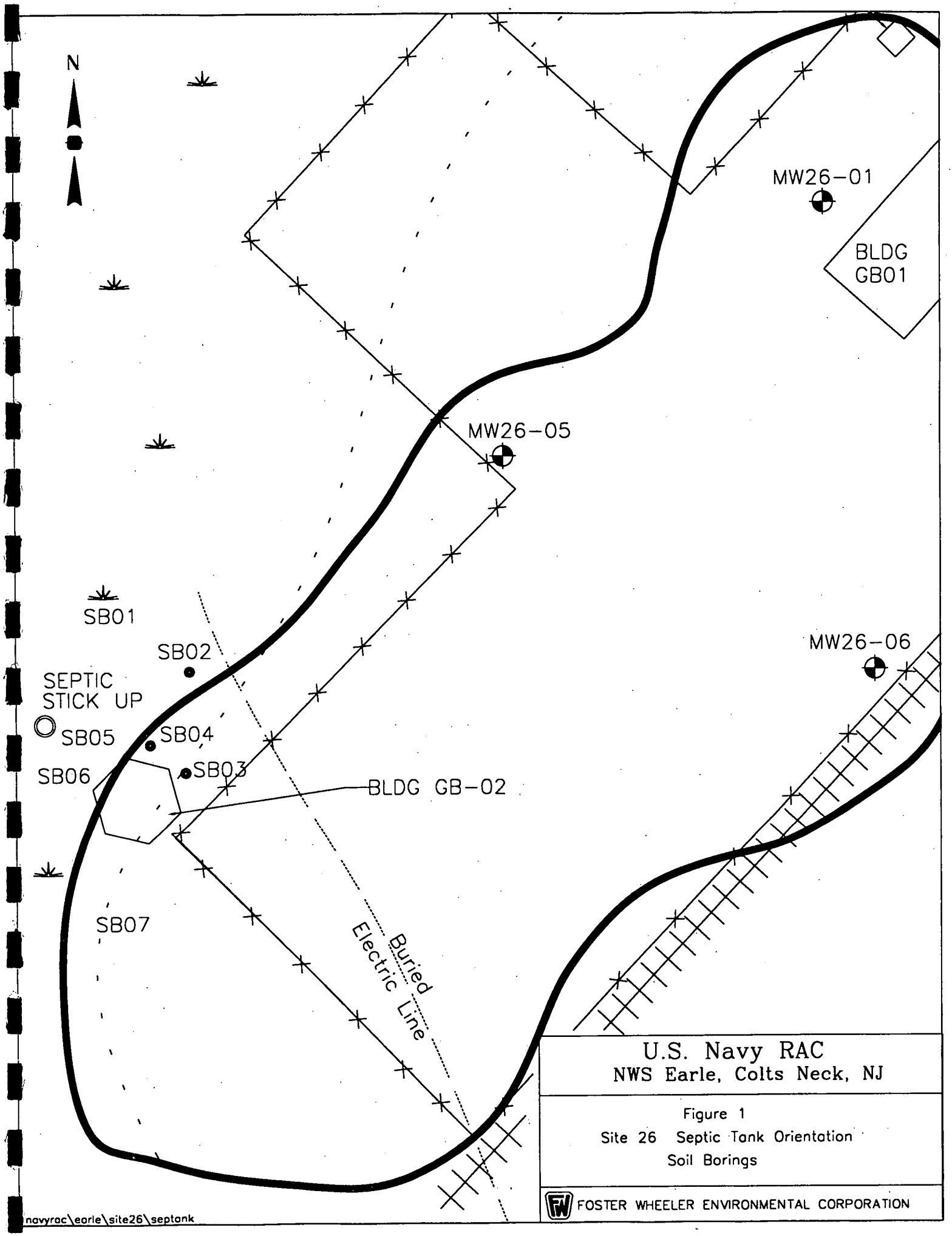
One sample for VOC analysis was collected from the soil boring near the painting equipment. Again all analytical results were non-detect, except 2-Butanone. The 2-Butanone results will be rejected as explained above. The sample did not exceed the Non-Residential Direct Contact Soil Cleanup Criteria for VOCs.

The septic tank was checked for contents, and no sludge or bottom sediments were obvious. No dense non-aqueous liquid (DNAPL) or light non-aqueous liquid (LNAPL) was detected with the oil/water interface probe used to check tank contents. Approximately 3 feet of water is in the tank. The total volume of the tank is not known, but estimated to be less than 1,000 gallons.

One aqueous sample was collected from the contents of the septic tank (26AQ01) and analyzed for TAL VOCs. All analytical results were non-detect. The sample did not exceed the Groundwater Quality Criteria (N.J.A.C. 7:9-6) for VOCs.

3.0 CONCLUSION

Based on the analytical data, the soils surrounding the septic tank, and near the paint equipment show no VOC contamination. Field observations and analytical data indicate that the septic tank does not contain VOC contaminated liquid or sediment/sludge. The septic tank is not a source of the VOC groundwater plume at Site 26, and, can be abandoned in accordance with the septic tank guidelines established by the NJDEP.



U.S. Navy RAC
NWS Earle, Colts Neck, NJ

Figure 1
Site 26 Septic Tank Orientation
Soil Borings

FOSTER WHEELER ENVIRONMENTAL CORPORATION

TABLE 1-Site 26-TAL Volatile Organic Compounds-Soil

SAMPLE ID	Non-Residential	26SB02		26SB03		26DB04		26SB04		26SB05		26SB06		26SB07	
DATE COLLECTED	Direct Contact	8/17/99		8/17/1999		8/17/1999		8/17/1999		8/17/1999		8/17/1999		8/17/1999	
LOCATION	Soil Cleanup	SITE 26		SITE 26		SITE 26		SITE 26		SITE 26		SITE 26		SITE 26	
MATRIX	Criteria	soil		soil		soil		soil		soil		soil		soil	
UNITS	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
DEPTH (feet BGS)															
COMMENTS															
Chromomethane	1000	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
Vinly Chloride	7	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
Bromomethane	1000	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
Chloroethane	NA	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
1,1-Dichloroethene	150	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
Acetone	1000	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
Carbon Disulfide	NA	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
Methylene Chloride	210	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
trans-1,2-Dichloroethene	1000	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
1,1-Dichloroethane	24	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
cis-1,2-Dichloroethene	1000	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
Chloroform	28	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
1,1,1-Trichloroethane	1000	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
2-Butanone [1]	1000	1.10		0.68	U	1.10		1.10		0.64	U	1.20		1.00	
Carbon Tetrachloride	4	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
Benzene	13	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
1,2-Dichloroethane	24	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
Trichloroethene	54	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
1,2-Dichloropropane	43	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
Bromodichloromethane	46	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
cis-1,3-Dichloropropene	5 [2]	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
Toluene	1000	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
trans-1,3-Dichloropropene	5 [2]	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
1,1,2-Trichloroethane	1000	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
4-Methyl-2-Pentanone	1000	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
Tetrachloroethene	6	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
Dibromochloromethane	1000	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
2-Hexanone	NA	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
Chlorobenzene	680	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
Ethylbenzene	1000	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
m&p-Xylenes	1000 [3]	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
o-Xylene	1000 [3]	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
Styrene	97	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
Bromoform	370	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
1,1,2,2-Tetrachloroethane	70	0.65	U	0.68	U	0.69	U	0.66	U	0.64	U	0.64	U	0.64	U
TICs (total)	NA		U		U		U		U		U		U		U

NA not applicable
U non-detect
1 2-Butanone found in Trip Blank at 139 mg/Kg.
2 total value combined
3 total vaule combined

TABLE 2-Site 26-TAL Volatile Organic Compounds-Septic Tank Contents

SAMPLE ID	GROUNDWATER	26AQ01	
DATE COLLECTED	QUALITY	8/17/1999	
LOCATION	CRITERIA	SITE 26	
MATRIX		aqueous	
UNITS	ug/L	ug/L	
DEPTH (feet BGS)			
COMMENTS			
Chromomethane	30	1.8	U
Vinly Chloride	5	1.3	U
Bromomethane	10	1.7	U
Chloroethane	NA	2.0	U
1,2-Dichloroethene	100	0.6	U
Acetone	700	5.0	U
Carbon Disulfide	NA	5.0	U
Methylene Chloride	2	0.7	U
trans-1,2-Dichloroethene	100	0.7	U
1,1-Dichloroethane	70	0.4	U
cis-1,2-Dichloroethene	10	0.8	U
Chloroform	6	0.8	U
1,1,1-Trichloroethane	30	0.9	U
2-Butanone	300	5.0	U
Carbon Tetrachloride	2	1.5	U
Benzene	1	0.9	U
1,2-Dichloroethane	2	0.9	U
Trichloroethene	1	1.0	U
1,2-Dichloropropane	1	1.0	U
Bromodichloromethane	1	0.6	U
cis-1,3-Dichloropropene	NA	0.1	U
Toluene	1,000	1.0	U
trans-1,3-Dichloropropene	NA	0.2	U
1,1,2-Trichloroethane	3	0.9	U
4-Methyl-2-Pentanone	400	5.0	U
Tetrachloroethene	1	0.9	U
Dibromochloromethane	10	1.0	U
2-Hexanone	NA	5.0	U
Chlorobenzene	4	0.9	U
Ethylbenzene	700	0.9	U
m&p-Xylenes	40 [1]	1.3	U
o-Xylene	40 [1]	0.9	U
Styrene	100	0.5	U
Bromoform	4	0.5	U
1,1,2,2-Tetrachloroethane	2	1.1	U
TICs (total)	NA	5.30	J

NA not applicable
U non-detect
1 total vaule combined

Septic Delin Data.xls
AQUEOUS, TCL VOC

APPENDIX A

LABORATORY ANALYTICAL DATA

CHEMTECH 110 Route 4 • Englewood, New Jersey 07631 Phone: (201) 567-6868 Fax: (201) 567-1333

RESULTS SUMMARY

NWS EARLE –SITE 26

FOSTER WHEELER
ONE OXFORD VALLY, SUITE 200
LANGHORNE, PA 19047-1829
215-702-4039

CHEMTECH PROJECT# 13049NJ
ATTENTION MIKE HEFFRON

Since 1967

CHEMTECH CONSULTING GROUP

RESULTS SUMMARY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
TRIP BLANK

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 13049NJ Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82042

Sample wt/vol: 0.0 (g/mL) G Lab File ID: N07066.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 0 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
74-87-3	Chloromethane	630	U
75-01-4	Vinyl Chloride	630	U
74-83-9	Bromomethane	630	U
75-00-3	Chloroethane	630	U
75-35-4	1,1-Dichloroethene	630	U
67-64-1	Acetone	630	U
75-15-0	Carbon Disulfide	630	U
75-09-2	Methylene Chloride	630	U
156-60-5	trans-1,2-Dichloroethene	630	U
75-34-4	1,1-Dichloroethane	630	U
156-60-5	cis-1,2-dichloroethene	630	U
67-66-3	Chloroform	630	U
71-55-6	1,1,1-Trichloroethane	630	U
78-93-3	2-Butanone	139300	
56-23-5	Carbon Tetrachloride	630	U
71-43-2	Benzene	630	U
107-06-2	1,2-Dichloroethane	630	U
79-01-6	Trichloroethene	630	U
78-87-5	1,2-Dichloropropane	630	U
75-27-4	Bromodichloromethane	630	U
10061-01-5	cis-1,3-Dichloropropene	630	U
108-88-3	Toluene	630	U
10061-02-6	trans-1,3-Dichloropropene	630	U
79-00-5	1,1,2-Trichloroethane	630	U
108-10-1	4-Methyl-2-Pentanone	630	U
127-18-4	Tetrachloroethene	630	U
124-48-1	Dibromochloromethane	630	U
591-78-6	2-Hexanone	630	U
108-90-7	Chlorobenzene	630	U
100-41-4	Ethylbenzene	630	U
1330-20-7	m&p-xylenes	630	U
95-47-6	o-xylene	630	U
100-42-5	Styrene	630	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 13049NJ Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82042

Sample wt/vol: 0.0 (g/mL) G Lab File ID: N07066.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 0 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
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

SAMPLE NO.

TRIP BLANK

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No. 1304 Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82042

Sample wt/vol: 0.0 (g/mL) G Lab File ID: N07066.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 0 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.				
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30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
26SB02

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 13049NJ Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82043

Sample wt/vol: 10.5 (g/mL) G Lab File ID: N07067.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 4 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	650	U
75-01-4	Vinyl Chloride	650	U
74-83-9	Bromomethane	650	U
75-00-3	Chloroethane	650	U
75-35-4	1,1-Dichloroethene	650	U
67-64-1	Acetone	650	U
75-15-0	Carbon Disulfide	650	U
75-09-2	Methylene Chloride	650	U
156-60-5	trans-1,2-Dichloroethene	650	U
75-34-4	1,1-Dichloroethane	650	U
156-60-5	cis-1,2-dichloroethene	650	U
67-66-3	Chloroform	650	U
71-55-6	1,1,1-Trichloroethane	650	U
78-93-3	2-Butanone	1100	
56-23-5	Carbon Tetrachloride	650	U
71-43-2	Benzene	650	U
107-06-2	1,2-Dichloroethane	650	U
79-01-6	Trichloroethene	650	U
78-87-5	1,2-Dichloropropane	650	U
75-27-4	Bromodichloromethane	650	U
10061-01-5	cis-1,3-Dichloropropene	650	U
108-88-3	Toluene	650	U
10061-02-6	trans-1,3-Dichloropropene	650	U
79-00-5	1,1,2-Trichloroethane	650	U
108-10-1	4-Methyl-2-Pentanone	650	U
127-18-4	Tetrachloroethene	650	U
124-48-1	Dibromochloromethane	650	U
591-78-6	2-Hexanone	650	U
108-90-7	Chlorobenzene	650	U
100-41-4	Ethylbenzene	650	U
1330-20-7	m&p-xylenes	650	U
95-47-6	o-xylene	650	U
100-42-5	Styrene	650	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
26SB02

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 13049NJ Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82043

Sample wt/vol: 10.5 (g/mL) G Lab File ID: N07067.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 4 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
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

SAMPLE NO.

26SB02

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No. 1304 Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82043

Sample wt/vol: 10.5 (g/mL) G Lab File ID: N07067.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 4 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

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

CAS Number	Compound Name	RT	Est. Conc.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
26SB03

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 13049NJ Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82044

Sample wt/vol: 10.8 (g/mL) G Lab File ID: N07068.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 8 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
74-87-3	Chloromethane	680	U
75-01-4	Vinyl Chloride	680	U
74-83-9	Bromomethane	680	U
75-00-3	Chloroethane	680	U
75-35-4	1,1-Dichloroethene	680	U
67-64-1	Acetone	680	U
75-15-0	Carbon Disulfide	680	U
75-09-2	Methylene Chloride	680	U
156-60-5	trans-1,2-Dichloroethene	680	U
75-34-4	1,1-Dichloroethane	680	U
156-60-5	cis-1,2-dichloroethene	680	U
67-66-3	Chloroform	680	U
71-55-6	1,1,1-Trichloroethane	680	U
78-93-3	2-Butanone	680	U
56-23-5	Carbon Tetrachloride	680	U
71-43-2	Benzene	680	U
107-06-2	1,2-Dichloroethane	680	U
79-01-6	Trichloroethene	680	U
78-87-5	1,2-Dichloropropane	680	U
75-27-4	Bromodichloromethane	680	U
10061-01-5	cis-1,3-Dichloropropene	680	U
108-88-3	Toluene	680	U
10061-02-6	trans-1,3-Dichloropropene	680	U
79-00-5	1,1,2-Trichloroethane	680	U
108-10-1	4-Methyl-2-Pentanone	680	U
127-18-4	Tetrachloroethene	680	U
124-48-1	Dibromochloromethane	680	U
591-78-6	2-Hexanone	680	U
108-90-7	Chlorobenzene	680	U
100-41-4	Ethylbenzene	680	U
1330-20-7	m&p-xylenes	680	U
95-47-6	o-xylene	680	U
100-42-5	Styrene	680	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

26SB03

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 13049NJ Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82044

Sample wt/vol: 10.8 (g/mL) G Lab File ID: N07068.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 8 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
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

SAMPLE NO.

26SB03

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No. 1304 Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82044

Sample wt/vol: 10.8 (g/mL) G Lab File ID: N07068.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 8 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
26DB03

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 13049NJ Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82045

Sample wt/vol: 10.9 (g/mL) G Lab File ID: N07069.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 9 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	690	U
75-01-4	Vinyl Chloride	690	U
74-83-9	Bromomethane	690	U
75-00-3	Chloroethane	690	U
75-35-4	1,1-Dichloroethene	690	U
67-64-1	Acetone	690	U
75-15-0	Carbon Disulfide	690	U
75-09-2	Methylene Chloride	690	U
156-60-5	trans-1,2-Dichloroethene	690	U
75-34-4	1,1-Dichloroethane	690	U
156-60-5	cis-1,2-dichloroethene	690	U
67-66-3	Chloroform	690	U
71-55-6	1,1,1-Trichloroethane	690	U
78-93-3	2-Butanone	1100	
56-23-5	Carbon Tetrachloride	690	U
71-43-2	Benzene	690	U
107-06-2	1,2-Dichloroethane	690	U
79-01-6	Trichloroethene	690	U
78-87-5	1,2-Dichloropropane	690	U
75-27-4	Bromodichloromethane	690	U
10061-01-5	cis-1,3-Dichloropropene	690	U
108-88-3	Toluene	690	U
10061-02-6	trans-1,3-Dichloropropene	690	U
79-00-5	1,1,2-Trichloroethane	690	U
108-10-1	4-Methyl-2-Pentanone	690	U
127-18-4	Tetrachloroethene	690	U
124-48-1	Dibromochloromethane	690	U
591-78-6	2-Hexanone	690	U
108-90-7	Chlorobenzene	690	U
100-41-4	Ethylbenzene	690	U
1330-20-7	m&p-xylenes	690	U
95-47-6	o-xylene	690	U
100-42-5	Styrene	690	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
26DB03

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 13049NJ Site: _____ Location: _____ Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82045

Sample wt/vol: 10.9 (g/mL) G Lab File ID: N07069.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 9 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
75-25-2	Bromoform	690	U
79-34-5	1,1,2,2-Tetrachloroethane	690	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

26DB03

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No. 1304 Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82045

Sample wt/vol: 10.9 (g/mL) G Lab File ID: N07069.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 9 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 0

CAS Number	Compound Name	RT	Est. Conc.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
26SB04

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 13049NJ Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82046

Sample wt/vol: 10.1 (g/mL) G Lab File ID: N07070.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 5 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	660	U
75-01-4	Vinyl Chloride	660	U
74-83-9	Bromomethane	660	U
75-00-3	Chloroethane	660	U
75-35-4	1,1-Dichloroethene	660	U
67-64-1	Acetone	660	U
75-15-0	Carbon Disulfide	660	U
75-09-2	Methylene Chloride	660	U
156-60-5	trans-1,2-Dichloroethene	660	U
75-34-4	1,1-Dichloroethane	660	U
156-60-5	cis-1,2-dichloroethene	660	U
67-66-3	Chloroform	660	U
71-55-6	1,1,1-Trichloroethane	660	U
78-93-3	2-Butanone	1100	
56-23-5	Carbon Tetrachloride	660	U
71-43-2	Benzene	660	U
107-06-2	1,2-Dichloroethane	660	U
79-01-6	Trichloroethene	660	U
78-87-5	1,2-Dichloropropane	660	U
75-27-4	Bromodichloromethane	660	U
10061-01-5	cis-1,3-Dichloropropene	660	U
108-88-3	Toluene	660	U
10061-02-6	trans-1,3-Dichloropropene	660	U
79-00-5	1,1,2-Trichloroethane	660	U
108-10-1	4-Methyl-2-Pentanone	660	U
127-18-4	Tetrachloroethene	660	U
124-48-1	Dibromochloromethane	660	U
591-78-6	2-Hexanone	660	U
108-90-7	Chlorobenzene	660	U
100-41-4	Ethylbenzene	660	U
1330-20-7	m&p-xylenes	660	U
95-47-6	o-xylene	660	U
100-42-5	Styrene	660	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

26SB04

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 13049NJ Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82046

Sample wt/vol: 10.1 (g/mL) G Lab File ID: N07070.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 5 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
75-25-2	Bromoform	660	U
79-34-5	1,1,2,2-Tetrachloroethane	660	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

26SB04

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No. 1304 Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82046

Sample wt/vol: 10.1 (g/mL) G Lab File ID: N07070.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 5 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

26SB05

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 13049NJ Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82047

Sample wt/vol: 10.1 (g/mL) G Lab File ID: N07071.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 2 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	640	U
75-01-4	Vinyl Chloride	640	U
74-83-9	Bromomethane	640	U
75-00-3	Chloroethane	640	U
75-35-4	1,1-Dichloroethene	640	U
67-64-1	Acetone	640	U
75-15-0	Carbon Disulfide	640	U
75-09-2	Methylene Chloride	640	U
156-60-5	trans-1,2-Dichloroethene	640	U
75-34-4	1,1-Dichloroethane	640	U
156-60-5	cis-1,2-dichloroethene	640	U
67-66-3	Chloroform	640	U
71-55-6	1,1,1-Trichloroethane	640	U
78-93-3	2-Butanone	640	U
56-23-5	Carbon Tetrachloride	640	U
71-43-2	Benzene	640	U
107-06-2	1,2-Dichloroethane	640	U
79-01-6	Trichloroethene	640	U
78-87-5	1,2-Dichloropropane	640	U
75-27-4	Bromodichloromethane	640	U
10061-01-5	cis-1,3-Dichloropropene	640	U
108-88-3	Toluene	640	U
10061-02-6	trans-1,3-Dichloropropene	640	U
79-00-5	1,1,2-Trichloroethane	640	U
108-10-1	4-Methyl-2-Pentanone	640	U
127-18-4	Tetrachloroethene	640	U
124-48-1	Dibromochloromethane	640	U
591-78-6	2-Hexanone	640	U
108-90-7	Chlorobenzene	640	U
100-41-4	Ethylbenzene	640	U
1330-20-7	m&p-xylenes	640	U
95-47-6	o-xylene	640	U
100-42-5	Styrene	640	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

26SB05

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 13049NJ Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82047

Sample wt/vol: 10.1 (g/mL) G Lab File ID: N07071.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 2 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
75-25-2	Bromoform	640	U
79-34-5	1,1,2,2-Tetrachloroethane	640	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

26SB05

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No. 1304 Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82047

Sample wt/vol: 10.1 (g/mL) G Lab File ID: N07071.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 2 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

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

CAS Number	Compound Name	RT	Est. Conc.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
26SB06

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 13049NJ Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82048

Sample wt/vol: 10.5 (g/mL) G Lab File ID: N07076.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 2 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
74-87-3	Chloromethane	640	U
75-01-4	Vinyl Chloride	640	U
74-83-9	Bromomethane	640	U
75-00-3	Chloroethane	640	U
75-35-4	1,1-Dichloroethene	640	U
67-64-1	Acetone	640	U
75-15-0	Carbon Disulfide	640	U
75-09-2	Methylene Chloride	640	U
156-60-5	trans-1,2-Dichloroethene	640	U
75-34-4	1,1-Dichloroethane	640	U
156-60-5	cis-1,2-dichloroethene	640	U
67-66-3	Chloroform	640	U
71-55-6	1,1,1-Trichloroethane	640	U
78-93-3	2-Butanone	1200	
56-23-5	Carbon Tetrachloride	640	U
71-43-2	Benzene	640	U
107-06-2	1,2-Dichloroethane	640	U
79-01-6	Trichloroethene	640	U
78-87-5	1,2-Dichloropropane	640	U
75-27-4	Bromodichloromethane	640	U
10061-01-5	cis-1,3-Dichloropropene	640	U
108-88-3	Toluene	640	U
10061-02-6	trans-1,3-Dichloropropene	640	U
79-00-5	1,1,2-Trichloroethane	640	U
108-10-1	4-Methyl-2-Pentanone	640	U
127-18-4	Tetrachloroethene	640	U
124-48-1	Dibromochloromethane	640	U
591-78-6	2-Hexanone	640	U
108-90-7	Chlorobenzene	640	U
100-41-4	Ethylbenzene	640	U
1330-20-7	m&p-xylenes	640	U
95-47-6	o-xylene	640	U
100-42-5	Styrene	640	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
26SB06

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 13049NJ Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82048

Sample wt/vol: 10.5 (g/mL) G Lab File ID: N07076.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 2 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
75-25-2	Bromoform	640	U
79-34-5	1,1,2,2-Tetrachloroethane	640	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

26SB06

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No. 1304 Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82048

Sample wt/vol: 10.5 (g/mL) G Lab File ID: N07076.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 2 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
26SB07

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 13049NJ Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82049

Sample wt/vol: 9.4 (g/mL) G Lab File ID: N07073.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 3 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
74-87-3	Chloromethane	640	U
75-01-4	Vinyl Chloride	640	U
74-83-9	Bromomethane	640	U
75-00-3	Chloroethane	640	U
75-35-4	1,1-Dichloroethene	640	U
67-64-1	Acetone	640	U
75-15-0	Carbon Disulfide	640	U
75-09-2	Methylene Chloride	640	U
156-60-5	trans-1,2-Dichloroethene	640	U
75-34-4	1,1-Dichloroethane	640	U
156-60-5	cis-1,2-dichloroethene	640	U
67-66-3	Chloroform	640	U
71-55-6	1,1,1-Trichloroethane	640	U
78-93-3	2-Butanone	1000	
56-23-5	Carbon Tetrachloride	640	U
71-43-2	Benzene	640	U
107-06-2	1,2-Dichloroethane	640	U
79-01-6	Trichloroethene	640	U
78-87-5	1,2-Dichloropropane	640	U
75-27-4	Bromodichloromethane	640	U
10061-01-5	cis-1,3-Dichloropropene	640	U
108-88-3	Toluene	640	U
10061-02-6	trans-1,3-Dichloropropene	640	U
79-00-5	1,1,2-Trichloroethane	640	U
108-10-1	4-Methyl-2-Pentanone	640	U
127-18-4	Tetrachloroethene	640	U
124-48-1	Dibromochloromethane	640	U
591-78-6	2-Hexanone	640	U
108-90-7	Chlorobenzene	640	U
100-41-4	Ethylbenzene	640	U
1330-20-7	m&p-xylenes	640	U
95-47-6	o-xylene	640	U
100-42-5	Styrene	640	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
26SB07

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No.: 13049NJ Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82049

Sample wt/vol: 9.4 (g/mL) G Lab File ID: N07073.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 3 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
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

SAMPLE NO.
26SB07

Lab Name: CHEMTECH Contract: FOSTER WHEELER ENVIRONMENTAL

Project No. 1304 Site: Location: Group: TRIP BLA

Matrix: (soil/water) SOIL Lab Sample ID: O82049

Sample wt/vol: 9.4 (g/mL) G Lab File ID: N07073.D

Level: (low/med) MED Date Received: 8/17/99

% Moisture: not dec. 3 Date Analyzed: 8/18/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.				
2.				
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30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
26AQ01

Lab Name: CHEMTECH
Contract: FOSTER WHEELER ENVIRONMENTAL
Project No.: 13049NJ
Site:
Location:
Group: TRIP BLA
Matrix: (soil/water) WATER
Lab Sample ID: O82050
Sample wt/vol: 5.0 (g/mL) ML
Lab File ID: N07074.D
Level: (low/med)
Date Received: 8/17/99
% Moisture: not dec. 100
Date Analyzed: 8/18/99
GC Column: RTX624 ID: 0.53 (mm)
Dilution Factor: 1.0
Soil Extract Volume: (uL)
Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
74-87-3	Chloromethane	1.8	U
75-01-4	Vinyl Chloride	1.3	U
74-83-9	Bromomethane	1.7	U
75-00-3	Chloroethane	2	U
75-35-4	1,1-Dichloroethene	0.6	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	0.7	U
156-60-5	trans-1,2-Dichloroethene	0.7	U
75-34-4	1,1-Dichloroethane	0.4	U
156-60-5	cis-1,2-dichloroethene	0.8	U
67-66-3	Chloroform	0.8	U
71-55-6	1,1,1-Trichloroethane	0.9	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1.5	U
71-43-2	Benzene	0.9	U
107-06-2	1,2-Dichloroethane	0.9	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	0.6	U
10061-01-5	cis-1,3-Dichloropropene	0.1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	0.2	U
79-00-5	1,1,2-Trichloroethane	0.9	U
108-10-1	4-Methyl-2-Pentanone	5	U
127-18-4	Tetrachloroethene	0.9	U
124-48-1	Dibromochloromethane	1	U
591-78-6	2-Hexanone	5	U
108-90-7	Chlorobenzene	0.9	U
100-41-4	Ethylbenzene	0.9	U
1330-20-7	m&p-xylenes	1.3	U
95-47-6	o-xylene	0.9	U
100-42-5	Styrene	0.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
26AQ01

Lab Name: CHEMTECH
Contract: FOSTER WHEELER ENVIRONMENTAL
Project No.: 13049NJ
Site:
Location:
Group: TRIP BLA
Matrix: (soil/water) WATER
Lab Sample ID: O82050
Sample wt/vol: 5.0 (g/mL) ML
Lab File ID: N07074.D
Level: (low/med)
Date Received: 8/17/99
% Moisture: not dec. 100
Date Analyzed: 8/18/99
GC Column: RTX624
ID: 0.53 (mm)
Dilution Factor: 1.0
Soil Extract Volume: (uL)
Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-25-2	Bromoform	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

26AQ01

Lab Name: CHEMTECH

Contract: FOSTER WHEELER ENVIRONMENTAL

Project No. 1304

Site: _____

Location: _____

Group: TRIP BLA

Matrix: (soil/water) WATER

Lab Sample ID: O82050

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: N07074.D

Level: (low/med) _____

Date Received: 8/17/99

% Moisture: not dec. 100

Date Analyzed: 8/18/99

GC Column: RTX624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown	28.66	5.3	J
2.				
3.				
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APPENDIX B

SOIL BORING LOGS

Borehole Log

PROJECT: NWS – Earle
BORING NO.: 26SB01
PROJECT LOCATION: Site 26
SURFACE ELEVATION:
SUBCONTRACTOR/DRILLER: GES
DATE STARTED: 8/17/99
FIELD GEOLOGIST: C. Joblon
DATE COMPLETED: 8/17/99
DRILLING METHOD: Geoprobe
4' spoon w/acetate liner
REMARKS:

Depth	Blows /6"	% Recov-ery	Color	Material Description	USCS Class-ification	Remarks	Profile
0				0–0.5' TOPSOIL		PID – NAB	
			Gry	0.5–2.0' f–m SAND			
		100	Orng	2.0–3.0' f–c SAND w/little silt		No sample collected	
			Wht	3.0–6.0' f SAND			
4'							
		100	Wht/ orng	6.0–8.0' f–c SAND			
8'			Orng/ gry	8.0–11.0' f–c SAND w/some gravel			
		100					
			Orng/ gry	11.0–12.0' f SAND			
12'			Orng/ gry	12.0–14.0' f–c SAND			
			Orng	14.0–16.0' f SAND			
16'							
20'							

Borehole Log

PROJECT: NWS – Earle
BORING NO.: 26SB02
PROJECT LOCATION: Site 26
SURFACE ELEVATION:
SUBCONTRACTOR/DRILLER: GES
DATE STARTED: 8/17/99
FIELD GEOLOGIST: C. Joblon
DATE COMPLETED: 8/17/99
DRILLING METHOD: Geoprobe
4' spoon w/acetate liner
REMARKS:

Depth	Blows /6"	% Recov-ery	Color	Material Description	USCS Class-ification	Remarks	Profile
0				0–0.5' TOPSOIL		PID – NAB	
			Orng/ brn	0.5–3.0' SILT			
		100					
			Orng/ brn	3.0–4.0' f–c SAND			
4'			Orng/ gry	4.0–6.0' f SAND			
		100	Orng/ gry	6.0–11.0' f–c SAND			
8'							
		100	Orng	11.0–12.0' f–c SAND			
12'						Water 12.0' Sample 26SB02 @12.0' –VOC	
16'							
20'							

Borehole Log

PROJECT: NWS – Earle
BORING NO.: 26SB03
PROJECT LOCATION: Site 26
SURFACE ELEVATION:
SUBCONTRACTOR/DRILLER: GES
DATE STARTED: 8/17/99
FIELD GEOLOGIST: C. Joblon
DATE COMPLETED: 8/17/99
DRILLING METHOD: Geoprobe
4' spoon w/acetate liner
REMARKS:

Depth	Blows /6"	% Recov-ery	Color	Material Description	USCS Class-ification	Remarks	Profile
0				0–0.16' Topsoil		PID – NAB	
			Orng/brn	0.16–2.0' SILT			
		100	Orng/brn	2.0–4.0' f–c SAND, little gravel			
4'			Orng	4.0–5.0' f–c SAND			
			Orng/brn	5.0–6.0' f SAND			
			Orng/gry	6.0–8.0' f–c SAND			
		100					
8'			Wht/gry	8.0–9.0' f SAND			
			Orng/brn	9.0–10.0' f SAND			
		100	Orng	10.0–12.0' f–c SAND			
12'						Water 12.0' Sample 26SB03 & Duplicate 26DB03 @12.0' –VOC	
16'							
20'							

Borehole Log

PROJECT: NWS – Earle
BORING NO.: 26SB04
PROJECT LOCATION: Site 26
SURFACE ELEVATION:
SUBCONTRACTOR/DRILLER: GES
DATE STARTED: 8/17/99
FIELD GEOLOGIST: C. Joblon
DATE COMPLETED: 8/17/99
DRILLING METHOD: Geoprobe
4' spoon w/acetate liner
REMARKS:

Depth	Blows /6"	% Recov-ery	Color	Material Description	USCS Class-ification	Remarks	Profile
0						PID – NAB	
			Orng/brn	0.0–2.0' SILT			
		100	Orng	2.0–4.0' f–c SAND, little gravel			
4'			Orng/brn	4.0–5.0' f–c SAND			
			Orng/brn	5.0–6.0' f–c SAND & SILT			
		100	Orng/brn	6.0–8.0' f–c SAND			
8'			Orng/gry	8.0–10.0' f–c SAND			
		100	Gry	10.0–11.0' f SAND			
			Orng	11.0–12.0' f–c SAND			
12'			Orng/gry	12.0–14.0' f SAND		Water 12.0' Sample 26SB04 @12.0' –VOC	
16'							
20'							

Borehole Log

PROJECT: NWS – Earle
BORING NO.: 26SB05
PROJECT LOCATION: Site 26
SURFACE ELEVATION:
SUBCONTRACTOR/DRILLER: GES
DATE STARTED: 8/17/99
FIELD GEOLOGIST: C. Joblon
DATE COMPLETED: 8/17/99
DRILLING METHOD: Geoprobe
4' spoon w/acetate liner
REMARKS:

Depth	Blows /6"	% Recov-ery	Color	Material Description	USCS Class-ification	Remarks	Profile
0			Orng/brn	1.0–3.0' f–c SAND & SILT		PID – NAB	
		100					
			Orng/brn	3.0–6.0' f SAND			
4'							
		100					
			Orng/brn	6.0–8.0' f–c SAND			
8'			Orng/gry	8.0–11.0' f SAND			
			Orng	11.0–12.0' f–c SAND			
		100					
12'						Water 12.0' Sample 26SB05 @12.0' –VOC	
16'							
20'							

Borehole Log

PROJECT: NWS – Earle
BORING NO.: 26SB06
PROJECT LOCATION: Site 26
SURFACE ELEVATION:
SUBCONTRACTOR/DRILLER: GES
DATE STARTED: 8/17/99
FIELD GEOLOGIST: C. Joblon
DATE COMPLETED: 8/17/99
DRILLING METHOD: Geoprobe
4' spoon w/acetate liner
REMARKS:

Depth	Blows /6"	% Recov-ery	Color	Material Description	USCS Class-ification	Remarks	Profile
0				0–0.5' Topsoil		PID – NAB	
			Orng/brn	1.5–4.0' SILT & f–c SAND			
		100					
4'			Orng/brn	4.0–9.0' f–c SAND			
		100					
8'						Water 8.0' Sample 26SB06 @8.0' –VOC	
			Orng/gry	9.0–12.0' f SAND			
		100					
12'							
16'							
20'							

Borehole Log

PROJECT: NWS – Earle
BORING NO.: 26SB07
PROJECT LOCATION: Site 26
SURFACE ELEVATION:
SUBCONTRACTOR/DRILLER: GES
DATE STARTED: 8/17/99
FIELD GEOLOGIST: C. Joblon
DATE COMPLETED: 8/17/99
DRILLING METHOD: Geoprobe
4' spoon w/acetate liner
REMARKS: Near old painting equipment

Depth	Blows /6"	% Recov-ery	Color	Material Description	USCS Class-ification	Remarks	Profile
0				0–0.5' Topsoil		PID – NAB	
			Gry	0.5–2.0' f–m SAND			
		100	Orng/brn	2.0–4.0' SILT & f–c SAND			
4'			Tan	4.0–6.0' f SAND			
		100	Orng/brn	6.0–7.0' f–c SAND			
			Orng/brn	7.0–8.0' f SAND		Water 7.0' Sample 26SB07 @7.0' –VOC	
8'							
12'							
16'							
20'							