ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Remediation Report for New Paltz Plaza (Site No. 356021) Volume 2 of 2

Prepared for:

New Paltz Plaza Properties, L.P.
257 Mamaroneck Avenue
White Plains, New York

Prepared by:

Alpha Geoscience
400 Trillium Lane
Albany, New York 12203

June 17, 1998

APPENDIX A

Test Pit Investigation Report

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Geology
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Water Supply

February 25, 1997

Mr. R. Daniel Bendell
NYSDEC, Region 3
21 South Putt Corners Road
New Paltz, New York 12561-1696

Re: Test Pit Investigation Results
Site No. 356021

Dear Mr. Bendell:

The purpose of this letter report is to provide you with the results of the test pit investigation program performed at the Revonak Dry Cleaners site (Site No. 356021) in New Paltz, New York. Work was performed in accordance with the NYSDEC-approved work plan prepared by Alpha Geoscience (Alpha), dated January 24, 1997. Minor deviations from the work plan were approved by the NYSDEC to accomodate field conditions, as noted herein. Equipment was mobilized to the site and set up on February 3, 1997. Excavation commenced on February 4 and continued through February 13. Results of the initial test pits (i.e., TP-9 and TP-10) indicated that subsurface conditions are not favorable for air sparging. Accordingly, provisions in the work plan for an air sparging pilot test were not implemented.

Test Pit Excavation and Sampling

A total of nine test pits were excavated at the locations shown in Figure 1. Each test pit was excavated at the location specified in the approved work plan, with the following exceptions. Test pit No. 14 was moved next to well MW-2. Test pit No. 14E is an extension of TP-14 and Test pit No. 17 was excavated perpendicular to TP-14. Each of these test pits were excavated to investigate the source of historically elevated tetrachloroethylene (PCE) in well MW-2 and to potentially identify a preferential ground water flow path near the well.

Test pit No. 9 was expanded to the north, south and east beyond its original dimensions. The expansion was limited to the upper three feet to remove PCE-contaminated soil, and was designated TP-9 (expanded). Samples from the expanded area were identified with suffixes indicating their direction(i.e., north, south or east) from the original test pit. Test pit No. 16 is a northward continuation of test pit No. 9. Excavation of test pit No. 16 was limited to the upper 3 feet to remove potentially PCE-contaminated soil and to investigate potential contaminant-migration pathways from the building toward well MW-2.

A log of each test pit was prepared by Alpha personnel to document the conditions at each location. A copy of each test pit log is presented in Attachment No. 1. Field notes pertaining to

samples collected from each test pit are also provided in Attachment 1. Ground water was encountered in each of the test pits at depths ranging from 2.2 to 4.3 feet below grade. Water was evacuated from each test pit, as necessary, using a vacuum truck. A total of approximately 4,500 gallons of water has been properly disposed off site, to date. Samples of the ground water entering test pit Nos. 9 (expanded), 11, 14, 14E, 15 and 17 were collected for laboratory analysis.

Sample Analysis

Seventy-five soil samples were collected from the test pits and analyzed for PCE, trichloroethylene (TCE), benzene, toluene, ethylbenzene, m&p-xylenes and o-xylene (BTEX) using an on site gas chromatograph (GC). Thirty-three of these soil samples and six ground water samples from the test pits were submitted for analysis at Envirotest Laboratories, Inc. in Newburgh, N.Y. Samples submitted to the laboratory were analyzed for halogenated volatile organic compounds (VOCs) by EPA Method 8010 and aromatic VOCs by EPA Method 8020, with Category B deliverables, except for sample TP-11-W. Ground water sample TP-11-W was analyzed only for halogenated VOCs by EPA Method 8010.

Tables 1 and 2 present a summary of the soil and ground water laboratory analysis, respectively, of the samples collected from the test pits. The tables list only the compounds which were detected in one or more samples. The laboratory analytical reports for each of the samples is provided in Attachment No. 2. Category B deliverables will be forwarded to the NYSDEC as soon as they are received from the laboratory.

Table 3 presents a list of the test pit soil and ground water samples, and the results of the on site GC analyses, including results of the standards and blanks analyzed for quality control purposes. The samples, standards and blanks shown on Table 3 are listed in the order in which they were analyzed to show the sequence and frequency of analysis of the quality control samples (i.e., standards and blanks). A summary of laboratory analytical results is also presented on Table 3 for samples which were submitted for laboratory analysis, to allow comparison of the GC and laboratory data. the laboratory data shown on Table 3 includes only the GC analytical compounds.

Monitoring Well Sampling

Monitoring wells MW-1, MW-2, MW-3 and MW-4 were purged and sampled in accordance with the approved work plan. A minimum of five well volumes of ground water was purged from each well prior to sampling. Samples were collected from wells MW-1, MW-2 and MW-3 on the afternoon of February 6, 1997. Well MW-4 was sampled on the morning of February 7, 1997. The detailed information regarding the purging and sampling of the wells is presented on the forms contained in Attachment 3.

The ground water samples from the monitoring wells were submitted to Envirotest Laboratories, Inc. for analysis of halogenated VOCs and aromatic VOCs by EPA Methods 8010 and 8020, respectively. A summary of the laboratory analytical results is presented in Table 2. The laboratory reports for these samples are provided in Attachment 2. Category B deliverables for the sample analyses will be forwarded to the NYSDEC as soon as they are received from the laboratory.

Sanitary Sewer Camera Survey

A camera survey of the main sanitary sewer line was performed between manholes MH-1 to MH-4, MH-3 to MH-4, MH-4 to MH-5, and MH-5 to MH-6, in accordance with the approved January 24, 1997 work plan. Manholes No. 1 and No. 3 are not directly connected, as was previously reported. The survey was performed by Lightening Sewer Services, Inc. The camera operator reported that no breaks or separations were present in any of the pipe which was surveyed. A copy of the video tape of the survey is currently being prepared for submittal to the NYSDEC.

Soil Disposition and Disposal

Test pit Nos. 10, 11 and 12 were backfilled with excavated soil from each respective test pit, based on soil analytical results, and with approval of NYSDEC personnel. Additional soil from an off site source was used, as necessary, to bring the test pits to grade. Soil excavated from test pits TP-9, TP-13, TP-14, TP-14E, TP-15, TP-16, and TP-17 is either staged adjacent to the respective test pit, or was placed directly into a rolloff container. Soil which has been identified as containing PCE at concentrations above the NYSDEC cleanup criteria, based on GC and/or laboratory analysis has been, or will be, placed in one of the two rolloff containers on site. Additional sampling and testing will be performed in accordance with TAGM 3028 for purposes of waste classification prior to disposal. Soil will be disposed of in accordance with applicable regulations.

Soil containing BTEX at concentrations exceeding the NYSDEC STARS cleanup criteria for petroleum-impacted soil has been, or will be, placed in the other rolloff container, separate from the PCE-contaminated soil. Soil currently staged adjacent to each open test pit, which exhibits non-detectable or acceptable concentrations of PCE and/or BTEX compounds based on laboratory and/or GC analytical results, will be used to backfill each respective test pit, following approval by NYSDEC. Water which may have entered the test pits will be evacuated prior to backfilling and properly disposed off site. Each test pit will be brought to grade with material from an off-site source, as necessary.

If you have any questions regarding the information or data contained herein, please feel free to contact me.

Sincerely,
Alpha Geoscience

Thomas M. Johnson
Hydrogeologist

TMJ:ce
attachments
cc: P.K. Kempner
K.M. Young

Table 1
Summary of Laboratory Soil Analyses
Test Pit Investigtion Program
New Paltz Plaza

	Total 1,2 DCE	TCE	PERC	Vinyl Chloride	Methylene Chloride	Dichloro-difluoromethane	1,1-DCA	1,1,1-TCA	Ethyl-benzene	Xylenes (total)
TP-9										
TP-9-4A	<710	<710	<710	<710	<710	<710	<710	<710	6,000	14,000
TP-9-4D	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	110	350
TP-9-7A	5.9	2.9	110	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	16
TP-9 (expanded)										
TP-9-1N-A	3.1	4.6	2100	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
TP-9-1E-A	<1.1	<1.1	6.4	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
TP-9-3S-A	<140	<140	<140	<140	<140	<140	<140	<140	<140	840
TP-10										
TP-10-1A	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
TP-10-3A	<1.1	<1.1	<1.1	<1.1	3.4	<1.1	<1.1	<1.1	<1.1	1.8
TP-10-5A	5.0	8.7	53	1.6	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
TP-11										
TP-11-2A	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
TP-11-4A	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
TP-11-6A	<1.1	<1.1	7.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
TP-12										
TP-12-3A	<1.1	<1.1	17	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
TP-12-5B	<1.2	<1.2	10	<1.2	<1.2	6.4	<1.2	<1.2	<1.2	<1.2
TP-12-7A	22	12	270	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
TP-12-9A	68	29	1200	<1.2	<1.2	5200	<1.2	<1.2	<1.2	<1.2
TP-13										
TP-13-3A	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
TP-13-5A	14	7.1	11	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
TP-13-7A	340	160	210	16	<1.2	<1.2	4.2	8.6	<1.2	<1.2
TP-13-7B	340	180	190	15	<1.2	<1.2	4.4	7.8	<1.2	<1.2

Summary of Laboratory Soil Analyses
Test Pit Investigtion Program
New Paltz Plaza

	Total 1,2 DCE	TCE	PERC	Vinyl Chloride	Methylene Chloride	Dichloro-difluoromethane	1,1-DCA	1,1,1-TCA	Ethyl-benzene	Xylenes (total)
TP-14										
TP-14-3A	19	11	53	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
TP-14-4A	16	14	18	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
TP-14-5A	9.5	9.7	22	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	19
TP-14-7A	230	230	290	<140	<140	<140	<140	<140	<140	<140
TP-14E										
TP-14E-2A	32	13	54	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
TP-14E-7A	<720	<720	<720	<720	<720	<720	<720	<720	1,400	2,100
TP-15										
TP-15-3A	<1.1	2.2	18	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
TP-15-5A	57	3.7	15	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
TP-15-7A	410	5.0	29	47	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7
TP-16										
TP-16-1A	<1.1	<1.1	35	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
TP-16-2A	<270	<270	1000	<270	<270	<270	<270	<270	740	2,200
TP-16-5A	<5.6	<5.6	230	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6
TP-16-Grab	<270	<270	<270	<270	<270	<270	<270	<270	1,100	2,800
TP-17										
TP-17-6A	<280	<280	630	<280	<280	<280	<280	<280	<280	710

Notes:

1. All results are in micrograms per kilogram (parts per billion).
2. All samples analyzed for halogenated and aromatic volatile organic compounds by Methods 8010 and 8020, respectively.
3. Compounds not shown were not detected at or above the laboratory analytical detection limit.

Table 2
Summary of Laboratory Ground Water Analyses
Investigation Program
New Paltz Plaza

Parameter	TP-9-W1	TP-11-W	TP-14-W	TP-14E-W	TP-15-W	TP-17-W	MW-1	MW-2	MW-3	MW-4
Vinyl Chloride	<1.0	<1.0	<100	<50	<1.0	31.0	<1.0	21	<1.0	2.2
Methylene Chloride	1.4	<1.0	<100	<50	<1.0	<25	<1.0	<1.0	<1.0	<1.0
1,1-DCE	<1.0	<1.0	<100	<50	<1.0	<25	<1.0	12	<1.0	<1.0
1,1-DCA	<1.0	<1.0	<100	<50	<1.0	<25	<1.0	6.0	<1.0	<1.0
Total 1,2-DCE	<1.0	<1.0	240	68	30	370	7.7	160	3.8	120
Chloroform	7.4	<1.0	<100	<50	<1.0	<25	<1.0	<1.0	<1.0	<1.0
1,1,1-TCA	<1.0	<1.0	<100	<50	<1.0	92.0	<1.0	160	<1.0	<1.0
TCE	0.7	<1.0	100	<50	5.3	150	9.3	120	<1.0	24.0
PERC	5.8	1.4	1500	210	32	4200	57	9100	<1.0	88.0
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<100	<50	<1.0	<25	<1.0	4.1	<1.0	<1.0
Benzene	0.7	NA	<100	<50	<1.0	<25	<1.0	<1.0	<1.0	<1.0
Ethylbenene	1.5	NA	<100	<50	<1.0	<25	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	3.5	NA	110	<50	<1.0	<25	<1.0	<1.0	<1.0	<1.0

Notes:
1. All concentrations are in micrograms per liter (parts per billion)
2. All samples analyzed by EPA Methods 8010 and 8020, except TP-11-W, as noted
3. NA - Not Analyzed

Table 3
Summary of GC Analytical Results
Test Pit Investigation Program
New Paltz Plaza

Sampling Date	Sample Number	Analysis Method	PCE	TCE	Benzene	Toluene	Ethylbenzene	M&P Xylene	O Xylene
2/3/97	Standard: BTEX, 200 ppb	GC	<50	<50	**640**	**211**	**197**	**211**	**215**
2/3/97	Background Soil	GC	<50	<50	<50	<50	<50	<50	<50
2/3/97	Standard: PCE, 200 ppb	GC	**193**	<50	<50	<50	<50	<50	<50
2/3/97	Standard: TCE, 200 ppb	GC	<50	**175**	<50	<50	<50	<50	<50
2/4/97	D.I. Blank	GC	<50	<50	<50	<50	<50	<50	<50
2/4/97	Standard: PCE, 200 ppb	GC	**186**	<50	<50	<50	<50	<50	<50
2/4/97	Standard: PCE, 200 ppb	GC	**269**	<50	<50	<50	<50	<50	<50
2/4/97	Standard: PCE, 200 ppb	GC	**253**	<50	<50	<50	<50	<50	<50
2/4/97	TP-9-4D	Lab	*<5.7*	*<5.7*	*<5.7*	*<5.7*	*110*	*350*	*
	TP-9-4C	GC	<50	<50	<50	<50	<50	<50	<50
2/4/97	TP-9-4A	Lab	*<710*	*<710*	*<710*	*<710*	*6,000*	*14,000*	*
	TP-9-4B	GC	<50	<50	<50	<50	**707**	**810**	**995**
2/4/97	TP-9-7A	Lab	*110*	*2.9*	*<1.1*	*<1.1*	*<1.1*	*16*	*
	TP-9-7B	GC	**195**	**88**	<50	<50	<50	<50	<50
2/4/97	TP-9-1B	GC	**14,300**	**160.71**	<50	<50	<50	<50	<50
2/4/97	TP-9-1D	GC	**11,056**	**150**	<50	<50	<50	<50	<50
2/4/97	TP-9-3	GC	**197**	<50	<50	<50	<50	<50	<50
2/4/97	TP-9-2B	GC	**8,773**	**125**	<50	<50	<50	<50	<50
2/4/97	TP-9-3B	GC	**5,976**	**96**	<50	<50	<50	<50	<50

Sampling Date	Sample Number	Analysis Method	PCE	TCE	Benzene	Toluene	Ethylbenzene	M&P Xylene	O Xylene
2/4/97	TP-10-1A	Lab	*<1.1*	*<1.1*	*<1.1*	*<1.1*	*<1.1*	*<1.1*	*
	TP-10-1B	GC	<50	<50	<50	<50	<50	<50	<50
2/4/97	TP-10-2B	GC	<50	<50	<50	<50	<50	<50	<50
2/4/97	TP-10-3A	Lab	*<1.1*	*<1.1*	*<1.1*	*<1.1*	*<1.1*	*1.8*	*
	TP-10-3B	GC	<50	<50	<50	<50	<50	<50	<50
2/5/97	Standard BTEX, 100 ppb	GC	<50	<50	**121**	**123**	**111**	**118**	**118**
2/5/97	TP-10-1D	GC	**77**	<50	<50	<50	<50	<50	<50
2/5/97	TP-10-3D	GC	<50	<50	<50	<50	<50	<50	<50
2/5/97	TP-10-4A	GC	**105**	**88**	<50	<50	<50	<50	<50
2/5/97	TP-10-6B	GC	<50	<50	<50	<50	<50	<50	<50
2/5/97	TP-10-4B	GC	**267**	**88**	<50	<50	<50	<50	<50
2/5/97	TP-10-5A	Lab	*63*	*8.7*	*<1.1*	*<1.1*	*<1.1*	*<1.1*	*
	TP-10-5B	GC	**54**	**80**	<50	<50	<50	<50	<50
2/5/97	TP-11-1B	GC	<50	<50	<50	<50	<50	<50	<50
2/5/97	TP-11-2A	Lab	*<1.1*	*<1.1*	*<1.1*	*<1.1*	*<1.1*	*<1.1*	*
	TP-11-2B	GC	<50	<50	<50	<50	<50	<50	<50
2/5/97	TP-11-3B	GC	<50	<50	<50	<50	<50	<50	<50
2/5/97	TP-11-4A	Lab	*<1.2*	*<1.2*	*<1.2*	*<1.2*	*<1.2*	*<1.2*	*
	TP-11-4B	GC	<50	<50	<50	<50	<50	<50	<50
2/5/97	TP-11-5B	GC	**50**	**52**	<50	<50	<50	<50	<50
2/5/97	TP-11-6A	Lab	*7.1*	*<1.1*	*<1.1*	*<1.1*	*<1.1*	*<1.1*	*
	TP-11-6B	GC	**110**	**94**	<50	<50	<50	<50	<50
2/5/97	Standard: PCE, 200 ppb	GC	**160**	<50	<50	<50	<50	<50	<50
2/5/97	TP-11-W	Lab	*1.4*	*<1.0*	*NA*	*NA*	*NA*	*NA*	*NA*
	TP-11-W	GC	<10	<10	<10	<10	<10	<10	<10
2/6/97	Standard: TCE/PCE, 200 ppb	GC	**170**	**630**	<50	<50	<50	<50	<50

Sampling Date	Sample Number	Analysis Method	PCE	TCE	Benzene	Toluene	Ethylbenzene	M&P Xylene	O Xylene
2/6/97	TP-9-4B (rerun)	GC	534	<50	<50	<50	1,168	1,326	1,550
2/6/97	TP-12-1B	GC	<50	<50	<50	<50	<50	<50	<50
2/6/97	TP-12-2B	GC	<50	<50	<50	<50	<50	<50	<50
2/6/97	TP-12-3A	Lab	17	<1.1	<1.1	<1.1	<1.1	<1.1	*
	TP-12-3B	GC	77	<50	<50	<50	<50	<50	<50
2/6/97	TP-12-4B	GC	<50	<50	<50	<50	<50	<50	<50
2/6/97	Standard: BTEX, 100 ppb	GC	<50	<50	304	128	118	124	123
2/6/97	D.I. Blank	GC	<50	<50	<50	<50	<50	<50	<50
2/6/97	TP-12-5A	Lab	10	<1.2	<1.2	<1.2	<1.2	<1.2	*
	TP-12-5B	GC	<50	<50	<50	<50	<50	<50	<50
2/6/97	TP-12-6B	GC	431	81	<50	<50	<50	<50	<50
2/6/97	TP-12-7A	Lab	270	12	<1.2	<1.2	<1.2	<1.2	*
	TP-12-7B	GC	1,025	128	<50	<50	<50	<50	<50
2/6/97	TP-12-8B	GC	830	122	<50	<50	<50	<50	<50
2/6/97	TP-12-9A	Lab	1,200	29	<1.2	<1.2	<1.2	<1.2	*
	TP-12-9B	GC	1,219	195	<50	<50	<50	<50	<50
2/7/97	Standard: PCE, 400 ppb	GC	369	<50	<50	<50	<50	<50	<50
2/7/97	Standard: BTEX, 200 ppb	GC	<50	<50	458	196	198	190	195
2/7/97	TP-13-1B	GC	<50	<50	<50	<50	<50	<50	<50
2/7/97	TP-13-2B	GC	<50	<50	<50	<50	<50	<50	<50
2/7/97	TP-13-3A	Lab	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	*
	TP-13-3B	GC	<50	<50	<50	<50	<50	<50	<50
2/7/97	TP-13-4B	GC	<50	<50	<50	<50	<50	<50	<50
2/7/97	TP-13-5A	Lab	11	7.1	<1.2	<1.2	<1.2	<1.2	*
	TP-13-5B	GC	151	222	<50	<50	<50	<50	<50

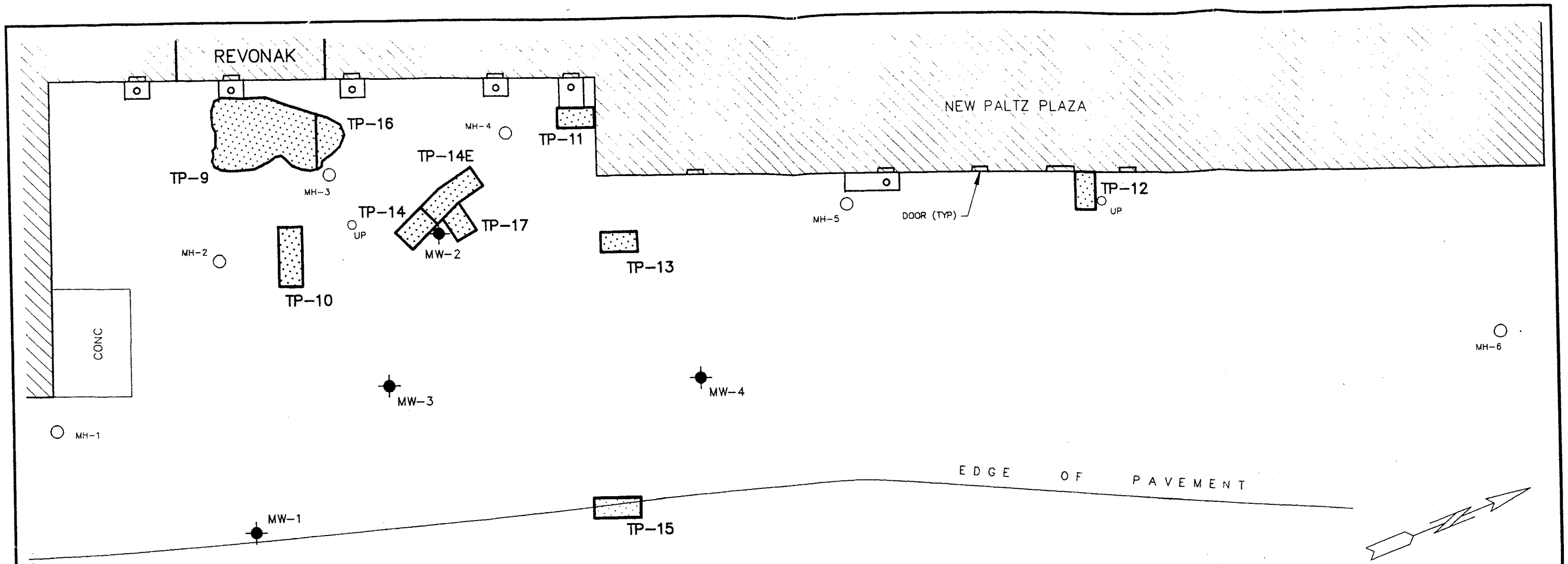
Sampling Date	Sample Number	Analysis Method	PCE	TCE	Benzene	Toluene	Ethylbenzene	M&P Xylene	O Xylene
2/7/97	TP-13-6B	GC	51	101	<50	<50	<50	<50	<50
2/7/97	TP-13-7A	Lab	190	180	<1.2	<1.2	<1.2	<1.2	*
	TP-13-7B	GC	226	504	<50	<50	<50	<50	<50
2/7/97	D.I. Blank	GC	<50	<50	<50	<50	<50	<50	<50
2/7/97	TP-15-1B	GC	59	<50	<50	<50	<50	<50	<50
2/7/97	TP-15-2B	GC	<50	<50	<50	<50	<50	<50	<50
2/7/97	TP-15-3A	Lab	18	2.2	<1.1	<1.1	<1.1	<1.1	*
	TP-15-3B	GC	<50	<50	<50	<50	<50	<50	<50
2/7/97	TP-15-4B	<50	<50	<50	<50	<50	<50	<50	<50
2/7/97	TP-15-5A	Lab	15	3.7	<1.1	<1.1	<1.1	<1.1	*
	TP-15-5B	GC	<50	<50	<50	<50	<50	<50	<50
2/10/97	D.I. Blank	GC	<50	<50	<50	<50	<50	<50	<50
2/10/97	TP-15-6B	GC	143	<50	<50	<50	<50	<50	<50
2/10/97	TP-15-7A	Lab	29	5	<5.7	<5.7	<5.7	<5.7	*
	TP-15-7B	GC	262	93	<50	<50	<50	<50	<50
2/10/97	TP-15-8B	GC	199	<50	<50	<50	<50	<50	<50
2/10/97	Standard: PCE, 400 ppb	GC	368	<50	<50	<50	<50	<50	<50
2/10/97	TP-14-1B	GC	<50	<50	<50	<50	<50	<50	<50
2/10/97	TP-14-2B	GC	<50	<50	<50	<50	<50	<50	<50
2/10/97	TP-14-3A	Lab	53	11	<1.1	<1.1	<1.1	<1.1	*
	TP-14-3B	GC	563	215	<50	<50	<50	<50	<50
2/10/97	TP-14-7A	Lab	290	230	<140	<140	<140	<140	*
	TP-14-7B	GC	1,363	681	<50	<50	135	<50	104
2/10/97	TP-14-4A	Lab	18	14	<1.1	<1.1	<1.1	<1.1	*
	TP-14-4B	GC	406	424	<50	<50	<50	<50	<50
2/10/97	TP-14-5A	Lab	22	9.7	<5.6	<5.6	<5.6	19	*
	TP-14-5B	GC	171	<50	<50	<50	<50	<50	<50

Sampling Date	Sample Number	Analysis Method	PCE	TCE	Benzene	Toluene	Ethylbenzene	M&P Xylene	O Xylene
2/10/97	TP-14-6B	GC	373	<50	<50	<50	<50	<50	<50
2/10/97	MW-4	Lab	88	24	<1.0	<1.0	<1.0	<1.0	*
	MW-4	GC	115	64	<50	<50	<50	<50	<50
2/10/97	TP-14-WATER	Lab	1,500	100	<100	<100	<100	110	*
	TP-14-WATER	GC	146	97	<10	<10	<10	<10	<10
2/10/97	D.I.Blank	GC	<50	<50	<50	<50	<50	<50	<50
2/11/97	Standard: BTEX, 200 ppb	GC	<50	<50	569	184	190	180	186
2/11/97	TP-9-1S-B	GC	513	<50	<50	<50	<50	<50	<50
2/11/97	TP-9-3S-A	Lab	<140	<140	<140	<140	<140	840	*
	TP-9-3S-B	GC	2,497	<50	<50	<50	349	168	234
2/11/97	TP-9-W1	Lab	5.8	<1.0	0.7	<1.0	1.5	3.5	*
	TP-9-W1	GC	<10	<10	<10	<10	<10	<10	<10
2/11/97	TP-9-1N-A	Lab	2,100	4.6	<1.1	<1.1	<1.1	<1.1	*
	TP-9-1N-B	GC	1,464	126	<50	<50	<50	<50	<50
2/11/97	TP-9-2N-B	GC	515	<50	<50	<50	<50	<50	<50
2/11/97	TP-9-3N-B	GC	496	<50	<50	<50	<50	<50	91
2/11/97	TP-9-1E-A	Lab	6.4	<1.1	<1.1	<1.1	<1.1	<1.1	*
	TP-9-1E-B	GC	187	<50	<50	<50	<50	<50	<50
2/11/97	TP-9-2E-B	GC	98	<50	<50	<50	<50	<50	<50
2/11/97	TP-9-3E-B	GC	74	<50	<50	<50	<50	<50	<50
2/11/97	Standard: PCE, 200 ppb	GC	305	<50	<50	<50	<50	<50	<50
2/11/97	D.I. Blank	GC	<50	<50	<50	<50	<50	<50	<50
2/12/97	D.I. Blank	GC	1,734	<50	<50	<50	<50	<50	<50
2/12/97	D.I. Blank	GC	498	<50	<50	<50	<50	<50	<50
2/12/97	D.I. Blank	GC	425	<50	<50	<50	<50	<50	<50

Sampling Date	Sample Number	Analysis Method	PCE	TCE	Benzene	Toluene	Ethylbenzene	M&P Xylene	O Xylene
2/12/97	D.I. Blank	GC	384	<50	<50	<50	<50	<50	<50
2/12/97	TP-16-Grab	Lab	<270	<270	<270	<270	1,100	2,800	*
	TP-16-B (grab)	GC	3,174**	<50	<50	<50	615	981	233
2/12/97	D.I. Blank	GC	298	<50	<50	<50	<50	<50	<50
2/12/97	TP-16-1A	Lab	35	<1.1	<1.1	<1.1	<1.1	<1.1	*
	TP-16-1B	GC	3,617**	232	<50	<50	<50	<50	<50
2/12/97	TP-16-2A	Lab	1,000	<270	<270	<270	740	2,200	*
	TP-16-2B	GC	2,933**	143	<50	<50	60	68	135
2/12/97	TP-16-3B	GC	1,802**	118	<50	<50	<50	<50	<50
2/12/97	TP-16-5A	Lab	230	<5.6	<5.6	<5.6	<5.6	<5.6	*
	TP-16-5B	GC	660**	<50	<50	<50	<50	<50	<50
2/12/97	TP-16-6B	GC	734**	<50	<50	<50	<50	<50	98
2/12/97	TP-16-4B	GC	1,308**	75	<50	<50	<50	<50	<50
2/12/97	Standard: PCE/TCE, 400 ppb	GC	345**	681	<50	<50	<50	<50	<50
2/13/97	D.I. Blank	GC	144	<50	<50	<50	<50	<50	<50
2/13/97	TP-14E-1B	GC	217**	<50	<50	<50	<50	<50	<50
2/13/97	TP-14E-2A	Lab	54	13	<1.1	<1.1	<1.1	<1.1	*
	TP-14E-2B	GC	384**	103	<50	<50	<50	<50	<50
2/13/97	TP-14E-7A	Lab	<720	<720	<720	<720	1,400	2,100	*
	TP-14E-7B	GC	8,707**	99	<50	<50	381	306	237
2/13/97	TP-14E-8B	GC	4,439**	<50	<50	<50	79	<50	91
2/13/97	TP-14E-W	Lab	210	<50	<50	<50	<50	<50	*
	TP-14EWATER	GC	245**	75	<10	<10	<10	142	<10
2/13/97	D.I. Blank	GC	82	<50	<50	<50	<50	<50	<50
2/13/97	Standard: TCE/PCE 400 ppb	GC	433**	1,584	<50	<50	<50	<50	<50
2/13/97	TP-17-3B	GC	154**	<50	<50	<50	<50	<50	<50

Sampling Date	Sample Number	Analysis Method	PCE	TCE	Benzene	Toluene	Ethylbenzene	M&P Xylene	O Xylene
2/13/97		Lab	*630*	*<280*	*<280*	*<280*	*<280*	*710*	*
	TP-17-6B	GC	**858****	**455**	<50	<50	<50	<50	**194**
2/13/97									
	TP-17-7B	GC	**1,405****	**173**	<50	<50	<50	<50	<50
2/13/97		Lab	*4,200*	*150*	*<25*	*<25*	*<25*	*<25*	*
	TP-17-W	GC	**2,022****	**351**	<10	<10	<10	<10	<10

Notes:
1. All results are in micrograms per kilogram (parts per billion)
2. * = indicates coelution with m&p xylene
3. ** = PCE present in associated blank samples
4. Laboratory analytical results shown for GC-target parameters only. See Tables 1 and 2 for complete summary of laboratory analytical results.
5. NA = Not Analyzed



LEGEND

MW-1	MONITORING WELL
TP-11	TEST PIT EXCAVATION
	STAIRWELL WITH DRAIN
UP	UTILITY POLE
MH-2	MANHOLE

0 20

SCALE IN FEET

SOURCES: "SURVEY PREPARED FOR NEW PALTZ PLAZA ASSOCIATES" DATED 4/17/86 BY JOHN H. DIPPEL AND "GROUNDWATER CONTOUR MAP" DATED 9/91 BY ENVIRONMENTAL PRODUCTS & SERVICES, INC.

ALPHA GEOSCIENCE

FIGURE 1
APPROXIMATE TEST PIT LOCATIONS
NEW PALTZ PLAZA

PROJECT 95141 NEW PALTZ, NY

95141-02.DWG

APPENDIX B

Project Field Book and Daily Activity Log

DAILY FIELD LOG

Project Name: New Paltz Plaza

Date: Dec 2, 1997 (Tues)

Project No: ~~95121~~ 95141

Completed by: M. Ralkowsky

Weather: Sun 25± °F

Personnel On Site: M. Ralkowsky (Alpha) B. Mongillo (Absolute) K. Seville + crew (MCE) TM Johnson (Alpha)

Equipment On Site: HNu PI-101 #1, H&S Supplies

Description of Activities:

07:44 M&R onsite - MCE crew onsite - go over area to be excavated
New Paltz Water Dept onsite - marking out water lines (that they know of)
B. Mongillo onsite - setting up GC.

08:30 NYSDEC on site (D. Bendell + Tim Schreier) MCE setting up rolloffs + exclusion zone.

09:15 TMJ reinforming store owners of work outside. D. Bendell offsite.

10:45 Begin excavating

12:25 - 13:00 Lunch

13:10 Continue excavating

15:40 Stop digging, MCE covering PES pile, erecting barricade around excavation.

16:30 M&R, TMJ get ice for samples, call lab for supplies.

D. Bendell & Dave Traver on site in afternoon, Reviewed GC Data and examined existing above ground tank.

Note: Excavation work begins at north end of TP-16, near MH-3, and continues northward.

Billing Information (hours, materials, etc.):

Signature: M&R Ralkowsky

Date: 12/2/97

DAILY FIELD LOG

Project Name: New Paltz Plaza

Date: 12-3-97 (Wed)

Project No: 95141

Completed by: T.M. Johnson

Weather: Pt Cloudy, Cold (~35°F)

Personnel On Site: MSRalbovsky, TM Johnson (Alpha), K. Sevilla & Crew (MCE), B Manzillo, D. Bendell

Equipment On Site: HNU DL-101 #1, H&S Supplies

Description of Activities:

On site at 07:30 - Warm up equipment and conduct H&S meeting.

08:00 - 12:00 Pump out ~ 50-100 gallons of water from excavation. Water has slight sheen and was pumped into holding tank.

Began excavating northward from where work stopped on 12-2-97 Excavation continued to bedrock at depth of ~8'. Soil in bottom of excavation is wet. Some oil seeping into dewatered excavation from wet sandy zone, subsequently excavated.

Collected Sample RE-9A&B from west wall as possible post excavation sample.

TMJ provided P. Kempner with progress report (verbal) @ ~9:30

Collected Samples RE-9 through RE-16

1:00 - ~~4~~:30 Continued excavating northward. Collected soil samples RE-17 thru RE-22 Reviewed results with Dan Bendell at 3:15, Agreed to send samples RE-4, RE-9 (RE-9 Dup), RE-14 and RE-22. Submitted each sample for analysis by 8260. Also submitted RE-22 for TCLP 8270 STARS. Discussed and agreed to backfill existing excavation to depth of ~4' for safety and to avoid collecting ground water (rain expected) with Bendell. Deconed backhoe by hosing off over excavation prior to moving backhoe from work zone. MSR delivered samples to Envirotest in Newburgh. MCE Crew offsite at ~16:15.

Billing Information (hours, materials, etc.):

Signature: TM Johnson

Date: 12/3/97

DAILY FIELD LOG

Project Name: New Paltz Plaza

Date: Dec. 4, 1997 (Thursday)

Project No: 95141

Completed by: M. Ralkovsky, T. Johnson

Weather: Mostly sunny 35± °F

Personnel On Site: M. Ralkovsky, T. Johnson (Alpha) C. Mongillo (Absolute) L. White, K. Saville (MCES)

Equipment On Site: HNU - DL-101

Description of Activities:

07:25 Daily tailgate H+S meeting

07:45 CBM unloads GC, MCE preparing to continue excavating

08:20 D. Bendell (NYSDEC) on site - excavating continues

09:30 Submit samples RE-23, RE-24, & RE-25 for GC - NYSDEC offsite

Excavation is continuing northward from where work stopped on 12-3-97

12:00 - 1:00 - Lunch

1:00 - 3:30 Continued excavating and sampling as above, as far north along the building as possible. No levels of PERC were found above the 1.4 ppm hzwaste criteria. D. Bendell on site at 15:00 - discussed current sampling results, next excavation area, 8270 analysis and disposal of petroleum contaminated soil as follows:

- Plan to excavate on east side of MH-3 on 12-5-97 to try to identify a vertical migration route
- TMJ asked if STARS 8270 analysis was sufficient. Bendell indicated that full 8270 B/N plus TICs w/ Cat B. deliverables is necessary for a Class 2 site, but will check with Albany DEC to be sure
- Bendell would like to see lab analyses before removal of petroleum contaminated soil off site to confirm GC results (ie. no PERC).
- Bendell allowed backfilling of excavated area to date to a depth of 4' for safety and to minimize water infiltration. MCE crew deconed Backhoe before backfilling.
- Water flowing into excavation from east side (east of MW-2) - Bendell requested dye trace in sewer. No dye came into excavation, GC analysis of water indicated only low level of PERC.

~~Billing Information (hours, materials, etc.):~~

MCE Crew Secured excavation area, covered rolloffs and off site at 16:15

Signature: T M Johnson

Date: 12-4-97

DAILY FIELD LOG

Page 1 of 1

Project Name: New Paltz Plaza

Date: 12-8-97

Project No: 95141

Completed by: M. Ralbovsky

Weather: Sunny 35±°F

Personnel On Site: M. Ralbovsky, T. Johnson (Alpha) R. Saville, L. White (MCC) B. Mangillo (Absolute)

Equipment On Site: HNu DL-101

Description of Activities:

07:30 H+S tailgate meeting.
07:45 MCC continue soil excavation near utility pole.
11:30 Finish excavating near utility pole - moving to area of TP-11.
12:30 - 13:00 Lunch
13:00 - 15:15 Excavation near TP-11, exposed some small water lines + 8" main line
15:30 - 16:00 Prepare samples for laboratory, sending RE-33, RE-41 + RE-43.
16:07 MAR offsite to deliver samples to lab
17:15 MAR returns. BM still running samples on GC. MAR offsite.

Billing Information (hours, materials, etc.):

Signature: M.A. Ralbovsky

Date: 12-8-97

d:\office\forms\dlylog1.xls

DAILY FIELD LOG

Project Name: New Paltz Plaza Date: 12-9-97

Project No: 95141 Completed by: M. Ralkowsky

Weather: Overcast 20± °F

Personnel On Site: M Ralkowsky (Alpha) B. Margillo (Absolute) L. White, K. Seville (MCES)

Equipment On Site:

Description of Activities:

07:30 Health & safety tailgate meeting. BM onsite 6 min running Standard + Blank on GC.
07:50 MCE pumping out water at active excavation
08:45 NYSDEC (D Bendell) onsite.
09:30 NYSDEC offsite
05:35 FCI onsite w/ 2 rolloffs - taking one rolloff to ESMI
09:50 Excavation continues
11:45 " "
12:20-13:00 Lunch - MSR call TO @ Alpha
13:15 Moving "clean" soil pile to access final excavation location
14:50 Soil moved - open manhole @ recovery well - slight sheen on water, no product, no odor noticed
15:30 Sample recovery well RW-1 water sample
15:45 D. Bendell onsite - discuss excavation - DB says he does not see a reason to dig anymore for PCE, said he will try to contact Spills Unit to have someone here on Wed. Am
16:00 Start prep samples for lab delivery
16:24 MSR offsite to deliver lab samples

Billing Information (hours, materials, etc.):

Signature: M Ralkowsky Date: 12-9-

DAILY FIELD LOG

Project Name: New Paltz Plaza

Date: Dec 10 1997 (Wed)

Project No: 95141

Completed by: M. Ralbovsky

Weather: Mostly sun 20's F

Personnel On Site: M. Ralbovsky (Alpha) B. Mongillo (Mongillo) K. Saville, L. White (MCES)

Equipment On Site: _____

Description of Activities:

07:30 MSR, MCES + DM onsite - Health + Safety tailgate meeting

07:45 MCES evacuating tanks + excavations using the vacuum truck. FCI has removed another PCS rolloff to ESMI (taken offsite 12-9-97), 2 full rolloffs left onsite

08:00 NYSDEC (D. Bendell) onsite - again says do not need to dig any more for PCE. D. B. says he spoke to D. Traver, Spills Unit - will return to site ~ 11:00 am today to discuss petroleum situation.

08:30 MCES finish vacuuming water, moving storage tanks to make room for shuffling rolloff to load stockpiled PCS.

09:30 TMJ onsite - review work performed to date

10:45 MSR take water levels & bail + sample well MW-2

13:30 NYSDEC - (D. Bendell + D. Traver) onsite to discuss petroleum issue - NYSDEC wants to dig out accessible areas & collect 8270 + 8260 wall samples when finished

14:30 Resume excavation

15:30 Stop digging + MCES barricading excavations.

16:20 B. Mongillo offsite - MSR screening headspace samples

16:30 MSR offsite

Billing Information (hours, materials, etc.): _____

Signature: M. Ralbovsky

Date: 12-

DAILY FIELD LOG

Project Name: New Paltz Plaza

Date: 12-11-97

Project No: 95141

Completed by: M. Kalbarsky, T. Johnson

Weather:

Personnel On Site: M. Kalbarsky, T. Johnson (Alpha) B. Mingillo (Absolute) K. Seville, L. White (MCE

Equipment On Site: HNu DL-101 #1

Description of Activities:

07:30 Health + Safety tailgate meeting
07:38 MCES warming up + cleaning snow off equipment – BM warming up GC.
08:00 MCE moving empty rolloff + cleaning snow
08:30 Start excavation
09:30 Soil caving under sewer lines decide to vacuate water + partially backfill excavated areas for sidewall support.
09:40 Resume Excavation
09:55 Take "clean" samples 54 + 55 from east + north walls on north side of sewer lines – begin excavation on south side of sewer lines
12:00 – 12:40 Lunch
12:45 Resume excavation – MCE moving another empty rolloff into place
13:45 FCI onsite w/ empty rolloff – have FCI move 2 full rolloffs to west end of the site.
14:00 Excavation running into previous excavation (TP-9) + stone backfill of tank pit at east end. – Evacuating water from pit.
16:00 MAK to lab to deliver samples

Billing Information (hours, materials, etc.):

Signature: M. Kalbarsky

Date: 12-11-97

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Bkgd 0.3

Sample	Depth	PID/Bkgd	Headspace		Date	Lab	Comments	Time
RE-1	0-1	0.3/0.3	1.4	*	12-2-97			11:05
RE-2	0-1	0.3/0.3	1.4	*	12-2-97			11:15
RE-3	1-2	0.3/0.3	1.2	*	12-2-97			11:30
RE-4	1-2	0.4 (0.4)	0.9		12-2-97	✓		11:55
RE-5	2-3	0.7/0.4	0.3		12-2-97			13:40
RE-6	2-3.5	15/0.4	50.5		12-2-97		Petrol. odor	1400
RE-7	2-3	NM	0.7		12-2-97		Petrol. odor	15:15
RE-8	4-6.5'	5-35/0.4	43.5		12-2-97		Petrol. odor	15:30
RE-9	5.5'	NM	41.7		12-3-97	✓	Petrol odor Duplicates	10:20
RE-10	7'	NM	NM		12-3-97		Petrol Odor Rolloff	10:50
RE-11	7'	NM	NM		12-3-97		Petrol Odor Rolloff	11:00
RE-12	8'	NM	NM		12-3-97		Petrol Odor Rolloff/Top of rock	11:08
RE-13	0-1	0.4/0.4	0.3		12-3-97			11:35
RE-14	1-2	0.3/0.3	0.3		12-3-97	✓		11:44
RE-15	2-3	0.3/0.3	0.3		12-3-97			11:51
RE-16	3'	0.3/0.3	0.3		12-3-97			12:05
RE-17	4'	1.8/0.3	0.6		12-3-97		Duplicate	13:30
RE-18	5'-7'	NM	>33		12-3-97		Petrol. Odor	14:02
RE-19	6'-7'	NM	>50		12-3-97		Petrol. Odor	14:13
RE-20	7-8'	NM	>50		12-3-97		~~Top of rock,~~ Petrol. odor	14:25
RE-21	5'	NM	>60		12-3-97	[illegible]	Petrol. odor	14:47
RE-22	6'-8'	NM	30		12-3-97	✓	~~Top of rock,~~ Petrol odor	15:07

*Note - Headspace empty baggie = 1.5

Sample	Depth	PID/Lead	Headspace	Date	Lab	Comments	Time
RE 23	0-1	0.3/0.3	0.3/0.2	12-4-97			08:40
RE-24	1-2	0.3/0.3	0.3/0.2	12-4-97			08:52
RE-25	2-3	0.2/0.2	0.3/0.3	12-4-97	✓	TMP ~~petrol odor~~	09 15
RE-26	4'-5'	NM	41.3/0.3	12-4-97		petrol. odor	11:30
RE-27	6-7	15.1/0.3	>50	12-4-97		petrol odor	13 15
RE-28	8'	NM	>40	12-4-97		petrol. odor	15:11
RE-29	0-1	0.5/0.5	0.4/0.4	12-5-97			09:15
RE-30	5'	NM	0.5/0.5	12-5-97	✓		11:00
RE-31	1-2.5	0.5/0.5	0.4/0.4	12-5-97			13:30
RE-32	3.5	0.4/0.4	0.5/0.5	12-5-97			13:50
RE-33	0-2	0.4/0.4	0.5/0.3	12-8-97	✓		08:50
RE-34	4	>5/0.4	>50/0.3	12-8-97		Petrol. odor	09:03
RE-35	6	NM	42.6/0.3	12-8-97		Petrol. odor	09:12
RE-36	7.5	7.0/0.4	2.1/0.3	12-8-97		Petrol. odor	09:24
RE-37	2	0.5/0.4	0.4/0.4	12-8-97			10:03
RE-38	3	0.2/0.2	0.4/0.4	12-8-97			10:48
RE-39	4	11.4/0.2	17.9/0.4	12-8-97		Petrol Odor - Dape	11:13
RE-40	5'	NM	2.3/0.5	12-8-97		Petrol Odor - below sewer line	13:29
RE-41	5'	14/0.2	32.5/0.5	12-8-97	✓	Petrol Odor	13:40
RE-42	5.5-6	NM	>40/0.5	12-8-97		Petrol Odor	14:20
RE-43	8'	>3.0/1.5	34.5/1.0	12-8-97	✓	Petrol Odor	15:15

Sample	Depth	PID/Bkgd	Headspace/Bkgd	Date	Lab	Comments	Time
RE-44	0-2	0.5/0.5	0.5/0.5	12-9-97			08:45
RE-45	2-4	0.7/0.5	0.7/0.5	12-9-97			09:16
RE-46	5'	*12.5/0.5	6.5/0.5	12-9-97		Indesting uishable odor	09:30
RE-47	6.5'	NM	1.2/0.5	12-9-97	✓	Near top of rock, I.O.	09:47
RE-48	0-3	0.5/0.5	3.6/0.6	12-9-97			11:25
RE-49	5'	3.5/0.5	2.2/0.6	12-9-97	✓	Petrol odor/Dupe	11:45
RE-50	7	3.5/0.5	4.7/0.6	12-9-97		Petrol odor	11:59
RE-51	0-3	0.7/0.4	0.7/0.7	12-10-97			14:50
RE-52	0-2	0.6/0.4	0.7/0.7	12-10-97			15:30
RE-53	4-6	3.8/0.4	25.2/0.6	12-11-97		Petrol Odor	08:54
RE-54	6-8	0.4/0.4	1.1/0.8	12-11-97	✓		09:50
RE-55	4-7	0.4/0.4	1.0/0.5	12-11-97	✓		10:00
RE-56	4.5	>13/0.4	46.0/0.6	12-11-97		Petrol Odor	10:28
RE-57	6	NM	28/0.3	12-11-97		Petrol Odor	11:30
RE-58	7.5	NM	4.2/0.4	12-11-97	✓	V. Slight Petrol Odor	13:25 Dupe

*- HNu error - unable to duplicate reading

APPENDIX C

Field GC Procedures

Field Gas Chromatograph Procedures
Revonak Cleaners (Site No. 356021)
New Paltz, New York

Apparatus and Equipment

All soil samples were collected into 40 milliliter (mL) screw cap vials equipped with PTFE-faced silicone septum. These vials were also used for preparing the sample extracts. The sample extracts were analyzed in disposable 16 x 125 millimeter (mm) borosilicate glass culture tubes.

The GC system consisted of an SRI Model 9300B GC equipped with a 10.2 electron-volt photoionization detector (PID) and a flame ionization detector (FID). The GC has temperature and event programming when used with a laptop computer and PeakSimple II Software. The Model 9300B is also equipped with an EPA style purge and trap unit and a built-in air compressor to supply the oxygen source for the FID. The GC analytical column is a 15 meter capillary column with a five micron film of nonpolar, 100% methylsilicone, stationary phase.

Instrument Initial and Continuing Calibration

After arriving at the site, calibration standards for the six target compounds were prepared from mixed component stock solutions purchased from Supelco. The standard dilutions were prepared to equate to the concentrations in soil sample extracts (see method below) containing 50 ppb, 100 ppb, 200 ppb, 400 ppb, and 1000 ppb of the target compounds. The five calibrations standards were consecutively injected into the GC by purge and trap (see method below). The data from these five chromatograms were stored into a PeakSimple initial calibration file for the project, which generated a five point linear initial calibration curve for each target compound. All initial calibration curves exhibited a correlation coefficient of 0.95 or greater.

The instrument calibration was verified throughout the field analytical process by analyzing a mid-range continuing calibration standard at the start of each analytical day and following each subsequent batch of ten samples analyzed. The continuing calibration verification criteria used for this project was a QC limit of 30% difference from the expected concentrations for all target compounds. In the event that one or more compounds exhibited greater than 30% difference from expected, a new initial calibration curve would have been generated. The instrument remained in calibration throughout the field analysis period; therefore, no new calibration was required.

Sample Preparation and Analysis

All soil samples were received at the field laboratory in 40 mL screw top (VOA) vials and were either immediately prepared for analysis or stored on ice until the time of extraction. No soil sample was held overnight prior to extraction. Soil extracts were prepared by first using an electronic balance to weigh 10 grams of the sample, and then place the sample into a clean, unused, 40 mL vial. Next, 10 mL of purge and trap grade methanol was introduced into the

sample by disposable pipette, and the vial was then capped. Each extract was labeled with the sample identification number, gently agitated for approximately 60 seconds and then allowed to settle. A laboratory extraction record was prepared which details the date of sampling and date and time of extraction for each sample.

All sample and initial and continuing calibration standard analyses were preformed following the same procedures. A new borosilicate culture tube was prepared by introducing approximately 10 mL of purchased distilled water. Because the volume of water introduced into the tube does not enter into the calculation of the analyte concentrations, there was no need to accurately measure this volume. Next, 100:1 of either the calibration standard or a sample extract was introduced into the water using a syringe. Care was taken to rinse the syringe thoroughly with methanol between each sample injection. A second syringe was dedicated to the measurement of calibration standards to reduce the possibility of sample contamination. In cases where elevated initial sample results indicated the necessity for a diluted analysis, the dilution was affected by injecting a smaller volume (i.e., less than 100:1) of the extract into the culture tube/water. The culture tube containing the water/methanol mixture was then placed into the purge and trap unit for analysis. An injection log was maintained to record the data and time of sample analysis, extract injection volume (dilution) as well as the PeakSimple software data file name for each sample.

The GC computer program (PeakSimple) controlled the purging of the sample, the injection into the analytical column and the GC oven temperature program. As each chromatogram was developed and recorded into a unique PeakSimple data file, the software compared recognized peaks to the project specific calibration curve and automatically calculated the target analyte concentration. Peak recognition was accomplished through the use of six second (0.1 minute) retention time windows developed during the initial calibration process and updated daily following the morning continuing calibration analysis.

Field Analysis QC Data

Daily analytical QC for the field laboratory included one continuing calibration standard analysis and one method blank analysis at the start of each analytical day and following each batch of ten samples subsequently analyzed. Method blanks were composed of 100:1 of the purge and trap methanol introduced into fresh distilled water using the same syringe as used for sample extract analysis. Additionally, one field duplicate sample was provided to the field laboratory for every ten samples collected. Field duplicates were prepared and analyzed as separate and unique samples. All field duplicates exhibited acceptable field sampling and analytical precision.

As stated above, the continuing calibration data generated during this project indicated that the instrument remained within an acceptable calibration range throughout the project. All continuing calibration standard compounds exhibited less than 30% difference from the expected analyte concentration.

Early in the field analysis project the method blanks indicated the presence of carry-over of non-target compounds from one analytical run to the next. This occurred due to the presence of petroleum hydrocarbons in some samples which take longer to pass through the analytical column than allowed by the project analytical program. This problem was addressed by "baking out" the analytical column after analyzing samples exhibiting a petroleum fingerprint. No target compounds were detected in any method blank above the method reporting limit.

APPENDIX D

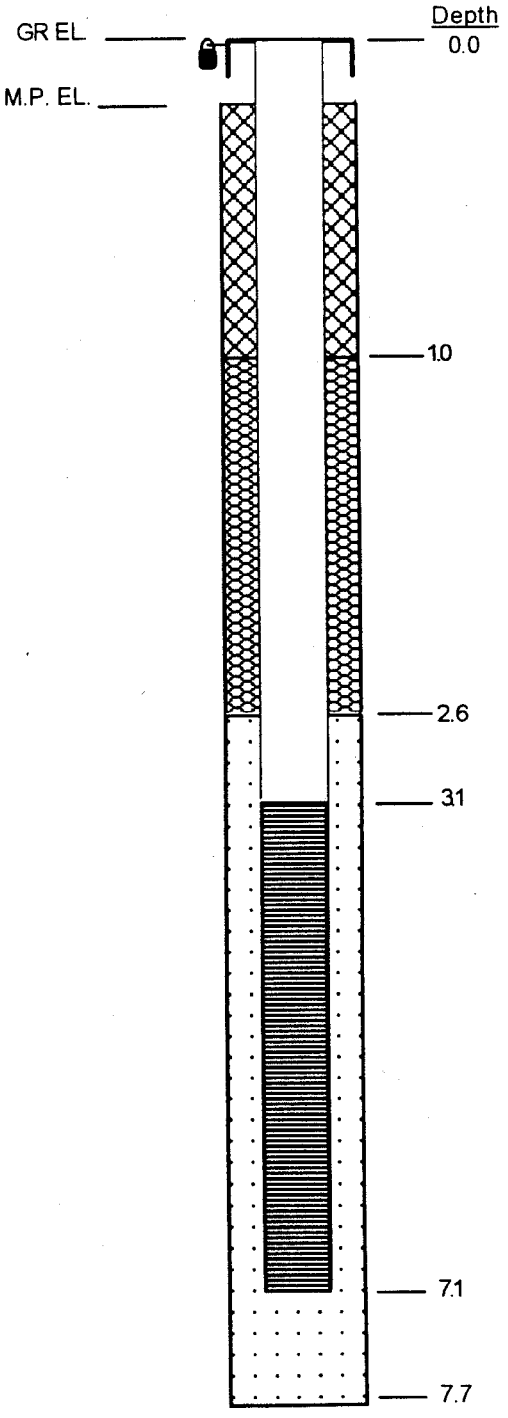
Monitoring Well Construction Logs

MONITORING WELL COMPLETION LOG

ALPHA GEOSCIENCE
400 Trillium Lane
ALBANY, NY 12203
(518) 452-0096

Well No. MW-6
Project New Paltz Plaza
Client New Paltz Plaza Properties
Project No. 95141
Date Drilled 1/9/98
Date Developed 1/12/98

WELL CONSTRUCTION DETAIL



NOT TO SCALE

INSPECTION NOTES

Inspector Michael S. Ralbovsky
Drilling Contractor Aquifer Drilling & Testing
Type of Well Monitoring
Static Water Level 3.31' Date 1/12/98
Measuring Point Top of PVC
Well Casing Depth

Riser Pipe

Material Sch. 40 PVC Diameter 2 " I.D.
Length 2.9' Joint Type Flush Thread

Screen

Material Sch. 40 PVC Diameter 2 " I.D.
Slot Size 0.010 " Length 4.0'
Stratigraphic Unit Screened Clayey Silt, Sand and Gravel

Packing

Sand #1 Gravel Natural
Amount 125 lbs Interval 2.6' - 7.7'

Seal

Type Bentonite Interval 1.0' - 2.6'

Locking Casing: Yes X No
Diameter

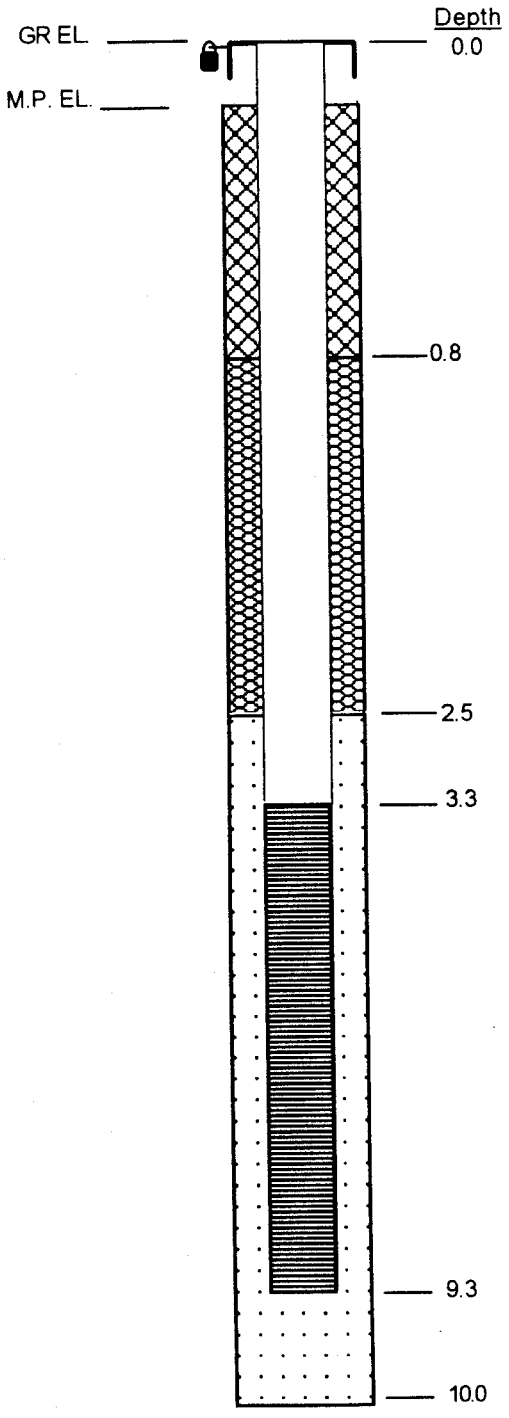
Notes:

MONITORING WELL COMPLETION LOG

ALPHA GEOSCIENCE
400 Trillium Lane
ALBANY, NY 12203
(518) 452-0096

Well No. MW-7
Project New Paltz Plaza
Client New Paltz Plaza Properties
Project No. 95141
Date Drilled 1/7/98
Date Developed 1/12/98

WELL CONSTRUCTION DETAIL



NOT TO SCALE

INSPECTION NOTES

Inspector Michael S. Ralbovsky
Drilling Contractor Aquifer Drilling & Testing
Type of Well Monitoring
Static Water Level 2.10' Date 1/12/98
Measuring Point Top of PVC
Well Casing Depth

Riser Pipe
Material Sch. 40 PVC Diameter 2 " I.D.
Length 3.0' Joint Type Flush Thread

Screen
Material Sch. 40 PVC Diameter 2 " I.D.
Slot Size 0.010" Length 6.0'
Stratigraphic Unit Screened Clayey Silt, Sand and Gravel

Packing
Sand #1 Gravel Natural
Amount 80 lbs Interval 2.5' - 10.0'

Seal
Type Bentonite Interval 0.8' - 2.5'

Locking Casing: Yes X No
Diameter

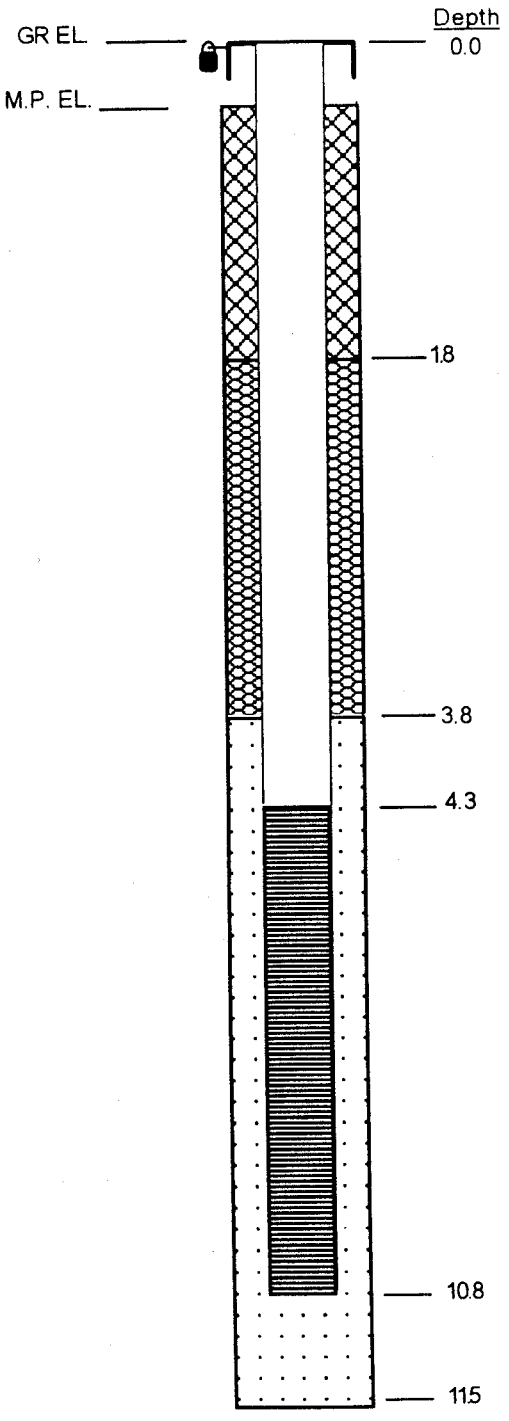
Notes:

MONITORING WELL COMPLETION LOG

ALPHA GEOSCIENCE
400 Trillium Lane
ALBANY, NY 12203
(518) 452-0096

Well No. MW-8
Project New Paltz Plaza
Client New Paltz Plaza Properties
Project No. 95141
Date Drilled 1/7/98
Date Developed 1/12/98

WELL CONSTRUCTION DETAIL



NOT TO SCALE

INSPECTION NOTES

Inspector Michael S. Ralbovsky
Drilling Contractor Aquifer Drilling & Testing
Type of Well Monitoring
Static Water Level 3.21' Date 1/12/98
Measuring Point Top of PVC
Well Casing Depth

Riser Pipe

Material Sch. 40 PVC Diameter 2 " I.D.
Length 3.9' Joint Type Flush Thread

Screen

Material Sch. 40 PVC Diameter 2 " I.D.
Slot Size 0.010" Length 6.5'
Stratigraphic Unit Screened Clayey Silt, Sand and Gravel

Packing

Sand #1 Gravel _____ Natural _____
Amount 120 lbs Interval 0.8' - 11.5'

Seal

Type Bentonite Interval 1.8' - 3.8'

Locking Casing: Yes X No _____
Diameter _____

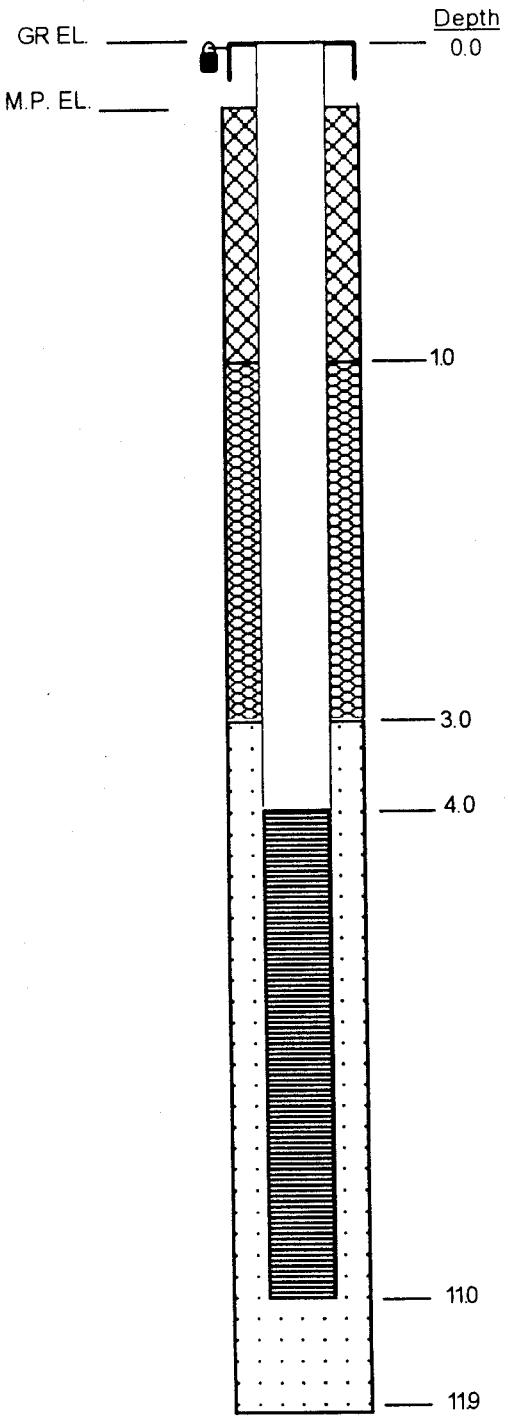
Notes:

MONITORING WELL COMPLETION LOG

ALPHA GEOSCIENCE
400 Trillium Lane
ALBANY, NY 12203
(518) 452-0096

Well No. MW-9
Project New Paltz Plaza
Client New Paltz Plaza Properties
Project No. 95141
Date Drilled 1/7/98
Date Developed 1/12/98

WELL CONSTRUCTION DETAIL



NOT TO SCALE

INSPECTION NOTES

Inspector Michael S. Ralbovsky
Drilling Contractor Aquifer Drilling & Testing
Type of Well Monitoring
Static Water Level 3.47' Date 1/12/98
Measuring Point Top of PVC
Well Casing Depth

Riser Pipe

Material Sch. 40 PVC Diameter 2 " I.D.
Length 3.9' Joint Type Flush Thread

Screen

Material Sch. 40 PVC Diameter 2 " I.D.
Slot Size 0.010" Length 7.0'
Stratigraphic Unit Screened Clayey Silt, Sand and Gravel

Packing

Sand #1 Gravel _____ Natural _____
Amount 175 lbs Interval 3.0' - 11.9'

Seal

Type Bentonite Interval 1.0' - 3.0'

Locking Casing: Yes X No _____
Diameter _____

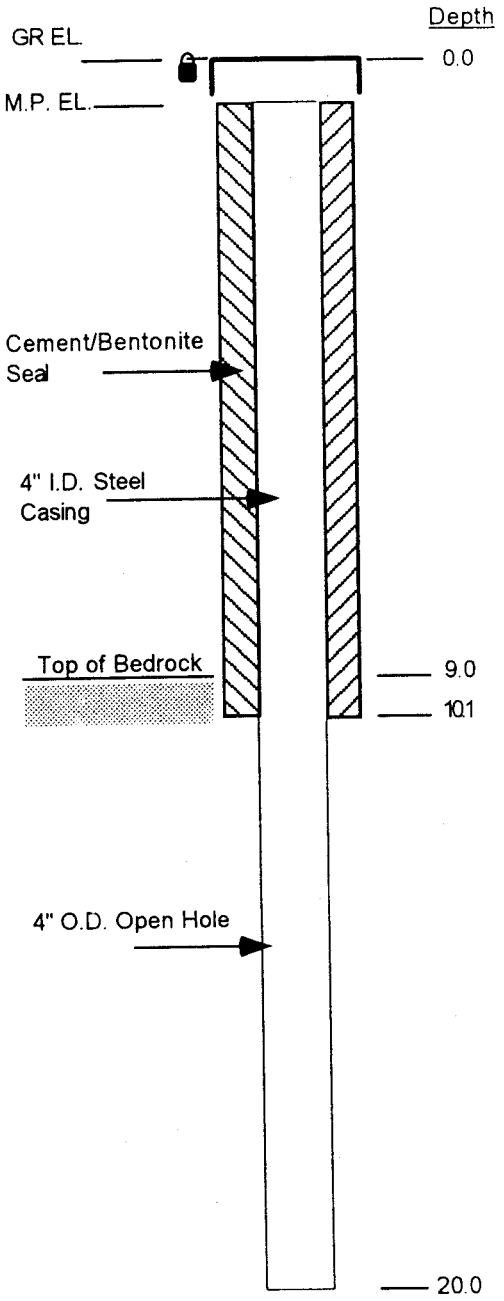
Notes:

MONITORING WELL COMPLETION LOG

ALPHA GEOSCIENCE
400 Trillium Lane
ALBANY, NY 12203
(518) 452-0096

Well No. BR-1
Project New Paltz Plaza
Client New Paltz Plaza Properties
Project No. 95141
Date Developed 1/12/98

WELL CONSTRUCTION DETAIL



NOT TO SCALE

INSPECTION NOTES

Inspector M. Ralbovsky
Drilling Contractor Aquifer Drilling and Testing
Type of Well Monitoring
Static Water Level 5.06 Date 1/12/98
Measuring Point Top of steel casing

Casing

Material Steel Diameter 4.0 " I.D.
Length 10.0' Date Set 1/6/98

Open Bedrock Hole

Interval 10.1' - 20.0' Diameter 4.0 " O.D.
Drill Method Air Hammer Date Drilled 1/8/98

Seal

Type Cement/Bentonite Interval 0.0' - 10.1'

Locking Casing: Yes X No ____

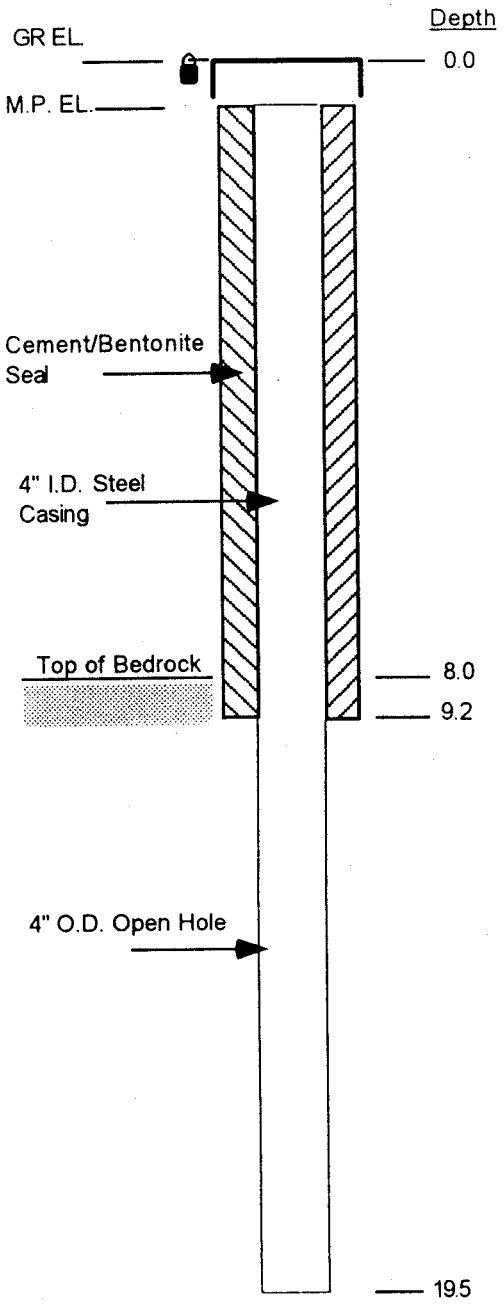
Notes: Flush mount road box protective casing

MONITORING WELL COMPLETION LOG

ALPHA GEOSCIENCE
400 Trillium Lane
ALBANY, NY 12203
(518) 452-0096

Well No. BR-2
Project New Paltz Plaza
Client New Paltz Plaza Properties
Project No. 95141
Date Developed 1/12/98

WELL CONSTRUCTION DETAIL



NOT TO SCALE

INSPECTION NOTES

Inspector M. Ralbovsky
Drilling Contractor Aquifer Drilling and Testing
Type of Well Monitoring
Static Water Level 1.57' Date 1/12/98
Measuring Point Top of steel casing

Casing

Material Steel Diameter 4.0 " I.D.
Length 9.0' Date Set 1/6/98

Open Bedrock Hole

Interval 9.2' - 19.5' Diameter 4.0 " O.D.
Drill Method Air Hammer Date Drilled 1/8/98

Seal

Type Cement/Bentonite Interval 0.0' - 9.2'

Locking Casing: Yes X No _____

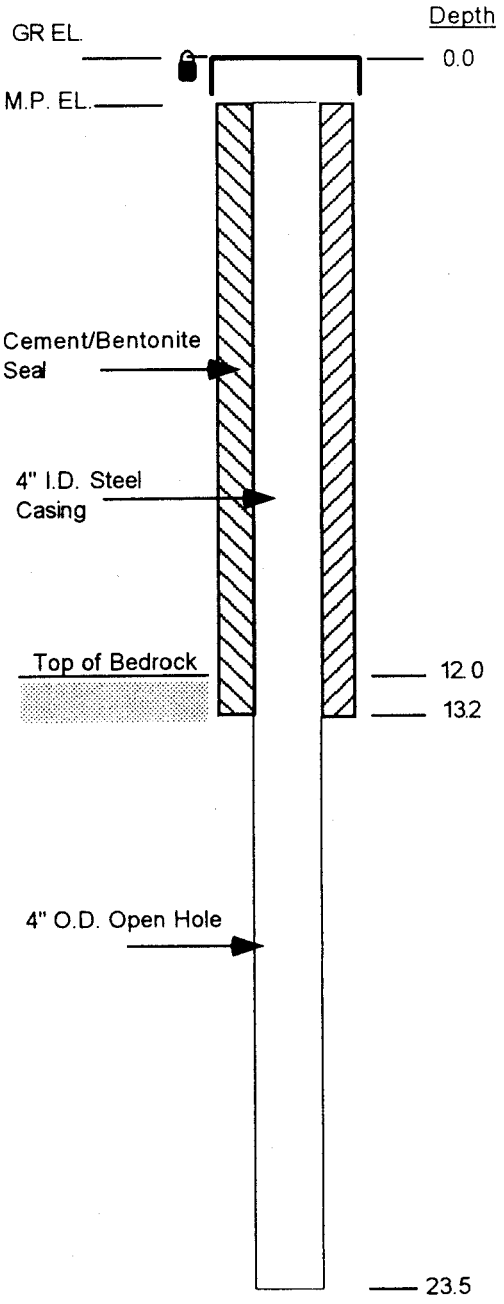
Notes: Flush mount road box protective casing

MONITORING WELL COMPLETION LOG

ALPHA GEOSCIENCE
400 Trillium Lane
ALBANY, NY 12203
(518) 452-0096

Well No. BR-3
Project New Paltz Plaza
Client New Paltz Plaza Properties
Project No. 95141
Date Developed 1/12/98

WELL CONSTRUCTION DETAIL



NOT TO SCALE

INSPECTION NOTES

Inspector M. Ralbovsky
Drilling Contractor Aquifer Drilling and Testing
Type of Well Monitoring
Static Water Level 3.28' Date 1/12/98
Measuring Point Top of steel casing

Casing

Material Steel Diameter 4.0 " I.D.
Length 12.8' Date Set 1/5/98

Open Bedrock Hole

Interval 13.2' - 23.5' Diameter 4.0 " O.D.
Drill Method Air Hammer Date Drilled 1/8/98

Seal

Type Cement/Bentonite Interval 0.0' - 13.2'

Locking Casing: Yes X No _____

Notes: Flush mount road box protective casing

APPENDIX E

Boring Logs

Alpha Geoscience
400 Trillium Lane
Albany, New York 12203

DRILLING LOG

Boring ID: MW-6

Project Number/Name: 95141 / New Paltz Plaza Location: New Paltz, New York

Drilling Contractor/Personnel: Aquifer Drilling & Testing: Derek Walker, Chris Stratton

Geologist/Inspector: Michael S. Ralbovsky Start/Finish Date: 1-9-98

Drilling Equip/Method: Mobile B-59 HSA Size/Type of Bit: 4 1/4" ID

Sampling Method: 2.0" OD Split Spoon Well Installed? Yes

Elevation/Ground Surface: Not available

Depth to Ground Water from Ground Surface (Date):

REMARKS: Boring sampled to total depth (top of rock), well installed ~0.6' above top of rock

Depth (Ft)	Sample No.	Blows Per 6 In.	Recovery (ft)	DESCRIPTION	Unified Classif-ication	REMARKS
				Asphalt 0.3'		
2	S-1	21-29 8-15	0.4	Brown coarse to fine Sand, little Clayey Silt, some coarse to fine Gravel		Moist to Wet
4	S-2	4-6 10-10	0.4	Brown gray green Clayey Silt, and coarse to fine Sand; pieces of asphalt 5.2'		Moist to Wet
6	S-3	2-7 18-51	0.8	Brown Clayey Silt, and coarse to fine Sand, some medium fine Gravel		Moist to Wet
8	S-4	77-100/.2	0.6	Same as S-3, dense, compact, rock chips in spoon shoe		Moist
				Top of Bedrock		
				End of Boring Total Depth = 7.7'		

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

Alpha Geoscience 400 Trillium Lane Albany, New York 12203	**DRILLING LOG**	**Boring ID: MW-7** Page 1 of 1

Project Number/Name: 95141 / New Paltz Plaza Location: New Paltz, New York

Drilling Contractor/Personnel: Aquifer Drilling & Testing: Derek Walker, Chris Stratton

Geologist/Inspector: Michael S. Ralbovsky Start/Finish Date: 1-7-98

Drilling Equip/Method: Failing F-10 HSA Size/Type of Bit: 4 1/4" ID

Sampling Method: 2.0" OD Split Spoon Well Installed? Yes

Elevation/Ground Surface: Not available

Depth to Ground Water from Ground Surface (Date):

REMARKS: Boring sampled to total depth (top of rock), well installed ~0.5' above top of rock

Depth (Ft)	Sample No.	Blows Per 6 In.	Recovery (ft)	DESCRIPTION	Unified Classif-ication	REMARKS
				Asphalt 0.2'		Wet in stone layer
				Coarse gravel (crushed stone) 1.0'		
	S-1	6-10	0.6	Brown green mottled Clayey Silt, little medium fine Sand, trace medium fine Gravel		Moist
2						
	S-2	5-9	1.0	Same as S-1		Moist
		8-12				
4						
	S-3	8-11	1.3	Brown Clayey Silt, some coarse (-) to fine Sand, some coarse to fine Gravel		Moist to wet
		8-12				
6						
	S-4	7-14	1.6	7.0'		
		68-86		Brown Clayey Silt, little medium fine Sand, some coarse to fine Gravel; dense		Moist to nearly dry
8						
	S-5	26-37	1.4	Same as S-4		Moist
		44-50		10.0'		
10				Top of Bedrock End of Boring Total Depth=10.0'		

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

Alpha Geoscience 400 Trillium Lane Albany, New York 12203	**DRILLING LOG**	**Boring ID: MW-8** Page 1 of 1

Project Number/Name: 95141 / New Paltz Plaza Location: New Paltz, New York

Drilling Contractor/Personnel: Aquifer Drilling & Testing: Derek Walker, Chris Stratton

Geologist/Inspector: Michael S. Ralbovsky Start/Finish Date: 1-7-98

Drilling Equip/Method: Failing F-10 HSA Size/Type of Bit: 4 1/4" ID

Sampling Method: 2.0" OD Split Spoon Well Installed? Yes

Elevation/Ground Surface: Not available

Depth to Ground Water from Ground Surface (Date):

REMARKS: Boring sampled to total depth (top of rock), well installed ~1.0' above top of rock

Depth (Ft)	Sample No.	Blows Per 6 In.	Recovery (ft)	DESCRIPTION	Unified Classif-ication	REMARKS
2	S-1	3-4 5-3	0.9	Brown gray Silt and Clay, little medium fine Sand, trace fine Gravel		Moist
4	S-2	3-8	0.8	Same as S-1 4.0' Gray medium to fine Sand 4.3'		
6	S-3	9-16 27-33	0.5	Brown gray Clayey Silt, little coarse to fine Sand, trace coarse Gravel		Moist to dry
8	S-4	6-13 23-13	1.1	Brown Clayey Silt, some coarse to fine Sand, little coarse to fine Gravel		Stone in shoe (S-3) Moist
10	S-5	6-6 13-38	1.8	Same as S-4		Wet at ~9.0'
12	S-6	68-38 70-100/0	1.2	Same as S-4; dense, pieces of shale bedrock 11.5'		Refusal at 11.5'
				Top of Bedrock End of Boring Total Depth = 11.5'		

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

Alpha Geoscience 400 Trillium Lane Albany, New York 12203	**DRILLING LOG**	**Boring ID: MW-9** Page 1 of 1

Project Number/Name: 95141 / New Paltz Plaza Location: New Paltz, New York

Drilling Contractor/Personnel: Aquifer Drilling & Testing: Derek Walker, Chris Stratton

Geologist/Inspector: Michael S. Ralbovsky Start/Finish Date: 1-7-98

Drilling Equip/Method: Failing F-10 HSA Size/Type of Bit: 4 1/4" ID

Sampling Method: 2.0" OD Split Spoon Well Installed? Yes

Elevation/Ground Surface: Not available

Depth to Ground Water from Ground Surface (Date):

REMARKS: Boring sampled to total depth (top of rock), well installed ~1.0' above top of rock

Depth (Ft)	Sample No.	Blows Per 6 In,	Recovery (ft)	DESCRIPTION	Unified Classif-ication	REMARKS
2	S-1	3-10 9-11	0.9	Brown gray Clayey Silt, little coarse to fine Sand, trace medium fine Gravel		Moist
4	S-2	6-8 13-18	1.4	5.5 Brown green Clayey Silt, little coarse to fine Sand, little coarse to fine Gravel		Moist
6	S-3	7-19 26-33	1.0	Same as S-2, grades to brown only ~7-8'		Moist
8	S-4	9-10 9-11	1.0	Same as S-3; brown		Moist to Wet
10	S-5	2-6 9-100/.4	2.0	Brown Clayey Silt, some coarse to fine Sand, and coarse to fine Gravel; dense 11.9'		Wet Refusal at 11.9'
12				Top of Bedrock End of Boring Total Depth = 11.9'		

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

Alpha Geoscience 400 Trillium Lane Albany, New York 12203	**DRILLING LOG**	**Boring ID: BR-1** Page 1 of 1

Project Number/Name: 95141/New Paltz Plaza Location: East, adjacent to plaza building

Drilling Contractor/Personnel: Aquifer Drilling and Testing: D. Walker, C. Stratton

Geologist/Inspector: Michael S. Ralbovsky Start/Finish Date: 1-6-98, 1-9-98

Drilling Equip/Method: Failing F-10/HSA-air hammer Size/Type of Bit: 6 1/4" ID HSA, 4" OD hammer

Sampling Method: No Sampling Well Installed? Yes

Elevation/Ground Surface: Not Available

Depth to Ground Water from Ground Surface (Date): 3.18' (1/20/98)

REMARKS: Casing set 1-6-98, open hole well drilled 1-9-98

Depth (Ft)	Sample No.	Blows Per 6 In,	Recovery (ft)	DESCRIPTION	Unified Classif-ication	REMARKS
2	NA	NA	NA	No cuttings return 0 to 7 feet		Backfill of TP-11
4						Wet ~5 to 6 feet
6				Brown coarse to fine Sand, and Clayey Silt		
8				Top of Bedrock 9.0'		Air hammer from 9 to 20 feet
10						
12				9-20' Description of Rock Cuttings: Medium dark gray (N4) to olive gray (5 Y 4/1) medium crystalline limestone; and dark gray (N3) to grayish black (N2) shale, slightly calcareous to non-calcareous; with while calcite veins/fracture fill		Cuttings return sampled from ~11-13' 15-17', and 19-20'
14						
16						
18						
20				Bottom of Boring at 20'		

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

Alpha Geoscience 400 Trillium Lane Albany, New York 12203	**DRILLING LOG**	**Boring ID: BR-2** Page 1 of 1

Project Number/Name: 95141/New Paltz Plaza Location: 45' east of plaza building

Drilling Contractor/Personnel: Aquifer Drilling and Testing: D. Walker, C. Stratton

Geologist/Inspector: Michael S. Ralbovsky Start/Finish Date: 1-6-98, 1-8-98

Drilling Equip/Method: Failing F-10/HSA-air hammer Size/Type of Bit: 6 1/4" ID HSA, 4" OD hammer

Sampling Method: No Sampling Well Installed? Yes

Elevation/Ground Surface: Not Available

Depth to Ground Water from Ground Surface (Date): 2.07' (1-20-98)

REMARKS: Casing set 1-6-98, open hole well drilled 1-8-98

Depth (Ft)	Sample No.	Blows Per 6 In,	Recovery (ft)	DESCRIPTION	Unified Classif-ication	REMARKS
				Asphalt 0.2'		Wet ~1 foot
2				Brown clayey Silt, and (+) coarse to fine Gravel, little coarse to fine Sand		Drier below at ~5', water likely in asphalt subbase from previous rainfall
4	NA	NA	NA			Moist to wet
6				Brown clayey Silt, and coarse to fine Sand, little coarse to fine Gravel		
8				Top of Bedrock 8.0'		
10				8-12' Medium dark gray (N4) to olive gray (5 Y 4/1) medium crystalling limestone, and dark gray (N3) to grayish black (N2) shale, slightly calcareous to non-calcareous; other lithologies include smokey yellow quartz, pale reddish brown feldspar, and white calcite, possibly from cobbles in casing		Air hammer from 8 to 19.5 feet
12	1					
14	2			12-19.5' Limestone and shale, as above		
16						
18	3					
				Bottom of Boring at 19.5'		
20						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

Alpha Geoscience 400 Trillium Lane Albany, New York 12203	**DRILLING LOG**	**Boring ID: BR-3** Page 1 of 2

Project Number/Name: 95141/New Paltz Plaza Location: North of New Paltz Plaza building

Drilling Contractor/Personnel: Aquifer Drilling and Testing: D. Walker, C. Stratton

Geologist/Inspector: Michael S. Ralbovsky Start/Finish Date: 1-5-98, 1-8-98

Drilling Equip/Method: Failing F-10/HSA-air hammer Size/Type of Bit: 6 1/4" ID HSA, 4" OD hammer

Sampling Method: No Sampling Well Installed? Yes

Elevation/Ground Surface: Not Available

Depth to Ground Water from Ground Surface (Date): 3.49' (1-20-98)

REMARKS: Casing set 1-5-98, open hole well drilled 1-8-98

Depth (Ft)	Sample No.	Blows Per 6 In.	Recovery (ft)	DESCRIPTION	Unified Classif-ication	REMARKS
				Asphalt 0.2'		
2				Brown orange coarse to fine Sand, some coarse Gravel (subbase) 1.8'		Moist
4				Brown gray Silt and Clay, little medium fine Sand, some coarse to fine Gravel		Moist
6	NA	NA	NA			Auger grinding at ~5 feet (cobble)
8				8.0'		
10				Brown green Clayey Silt, some (+) coarse to fine Sand, trace medium fine Sand, trace medium fine Gravel 10.0'		Wet ~10 feet
12				Brown Clayey Silt, some (+) coarse to fine Sand, little medium fine Gravel Top of Bedrock 12.0'		
14	1			12-23.5': Description of rock cuttings: Medium dark gray (N4) to olive gray (5 Y 4/1) medium crystalline limestone; and dark gray (N3) to grayish black (N2), slightly to non-calcareous shale		Air hammer from 12 to 23.5 feet
16						
18	2					
20						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

ALPHA GEOSCIENCE

Alpha Geoscience
400 Trillium Lane
Albany, New York 12203

DRILLING LOG

Boring ID. BR-3

Project Number/Name: 95141/New Paltz Plaza Location: Nort. of New Paltz Plaza Building

Depth (Ft)	Sample No.	Blows Per 6 In,	Recovery (ft)	DESCRIPTION	Unified Classif-ication	REMARKS
21	NA	NA	NA	See description from page 1		
23				Bottom of Boring at 23.5'		
25						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

APPENDIX F

Organic Vapor Screening Logs

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

ORGANIC VAPOR SCREENING LOG

PROJECT: New Paltz Plaza
CLIENT: New Paltz Plaza Properties
LOCATION: New Paltz, New York
INSTRUMENT USED: HNU DL-101
DATE INSTRUMENT CALIBRATED: Daily
TEMPERATURE OF SOIL: NA

LAMP: 10.2 eV
By: MSR

DATE COLLECTED: Listed below
DATE ANALYZED: Listed below
ANALYST: T. Johnson/M. Ralbovsky

Date	Sample Number	Depth (ft)	Sample Type	Ambient Reading (ppm)	Background Reading (ppm)	Headspace Reading (ppm)	Background Reading (ppm)	Remarks
12/2/97	RE-1	0 - 1	soil	0.3	0.3	1.4	NR	
12/2/97	RE-2	0 - 1	soil	0.3	0.3	1.4	NR	
12/2/97	RE-3	1 - 2	soil	0.3	0.3	1.2	NR	
12/2/97	RE-4	1 - 2	soil	0.4	0.4	0.9	NR	
12/2/97	RE-5	2 - 3	soil	0.7	0.4	0.3	NR	
12/2/97	RE-6	2 - 3.5	soil	1.5	0.4	50.5	NR	
12/2/97	RE-7	0 - 3	soil	NM		0.7	NR	
12/2/97	RE-8	4 - 6.5	soil	5 - 35	0.4	43.5	NR	
12/3/97	RE-9	5.5	soil	NM		41.7	NR	
12/3/97	RE-10	7	soil	NM		NM		
12/3/97	RE-11	7	soil	NM		NM		
12/3/97	RE-12	8	soil	NM		NM		
12/3/97	RE-13	0 - 1	soil	0.4	0.4	0.3	NR	
12/3/97	RE-14	1 - 2	soil	0.3	0.3	0.3	NR	
12/3/97	RE-15	2 - 3	soil	0.3	0.3	0.3	NR	
12/3/97	RE-16	3	soil	0.3	0.3	0.3	NR	
12/3/97	RE-17	4	soil	1.8	0.3	0.6	NR	
12/3/97	RE-18	5 - 7	soil	NM		>33	NR	
12/3/97	RE-19	6 - 7	soil	NM		>50	NR	
12/3/97	RE-20	7 - 8	soil	NM		>50	NR	
12/3/97	RE-21	5	soil	NM		>60	NR	
12/3/97	RE-22	6 - 8	soil	NM		30	NR	
12/4/97	RE-23	0 - 1	soil	0.3	0.3	0.3	0.2	
12/4/97	RE-24	1 - 2	soil	0.3	0.3	0.3	0.2	
12/4/97	RE-25	2 - 3	soil	0.2	0.2	0.3	0.3	
12/4/97	RE-26	4 - 5	soil	NM		41.3	0.3	
12/4/97	RE-27	6 - 7	soil	15.1	0.3	>50	NR	
12/4/97	RE-28	8	soil	NM		>40	NR	

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

ORGANIC VAPOR SCREENING LOG

PROJECT: New Paltz Plaza — PAGE 2 of 2
CLIENT: New Paltz Plaza Properties
LOCATION: New Paltz, N.Y. — DATE COLLECTED: Listed below
INSTRUMENT USED: HNU DL-101 — LAMP: 10.2 eV — DATE ANALYZED: Listed below
DATE INSTRUMENT CALIBRATED: Daily — By: MSR — ANALYST: T. Johnson/M. Ralbovsky
TEMPERATURE OF SOIL: NA

Date	Sample Number	Depth (ft)	Sample Type	Ambient Reading (ppm)	Background Reading (ppm)	Headspace Reading (ppm)	Background Reading (ppm)	Remarks
12/5/97	RE-29	0 - 1	soil	0.5	0.5	0.4	0.4	
12/5/97	RE-30	5	soil	NM		0.5	0.5	
12/5/97	RE-31	1 - 2.5	soil	0.5	0.5	0.4	0.4	
12/5/97	RE-32	3.5	soil	0.4	0.4	0.5	0.5	
12/8/97	RE-33	0 - 2	soil	0.4	0.4	0.5	0.3	
12/8/97	RE-34	4	soil	>5	0.4	>50	0.3	
12/8/97	RE-35	6	soil	NM		42.6	0.3	
12/8/97	RE-36	7.5	soil	7	0.4	2.1	0.3	
12/8/97	RE-37	2	soil	0.5	0.4	0.4	0.4	
12/8/97	RE-38	3	soil	0.2	0.2	0.4	0.4	
12/8/97	RE-39	4	soil	11.4	0.2	17.9	0.4	
12/8/97	RE-40	5	soil	NM		2.3	0.5	
12/8/97	RE-41	5	soil	14	0.2	32.5	0.5	
12/8/97	RE-42	5.5 - 6	soil	NM		>40	0.5	
12/8/97	RE-43	8	soil	>3.0	1.5	34.5	1.0	
12/9/97	RE-44	0 - 2	soil	0.5	0.5	0.5	0.5	
12/9/97	RE-45	2 - 4	soil	0.7	0.5	0.7	0.5	
12/9/97	RE-46	5	soil	12.5*	0.5	1.5	0.5	* HNU error, unable to duplicate
12/9/97	RE-47	6.5	soil	NM		1.2	0.5	
12/9/97	RE-48	0 - 3	soil	0.5	0.5	0.6	0.6	
12/9/97	RE-49	5	soil	3.5	0.5	2.2	0.6	
12/9/97	RE-50	7	soil	3.5	0.5	4.7	0.6	
12/10/97	RE-51	0 - 3	soil	0.7	0.4	0.7	0.7	
12/10/97	RE-52	0 - 2	soil	0.6	0.4	0.7	0.7	
12/11/97	RE-53	4 - 6	soil	3.8	0.4	25.2	0.6	
12/11/97	RE-54	6 - 8	soil	0.4	0.4	1.1	0.8	
12/11/97	RE-55	4 - 7	soil	0.4	0.4	1.0	0.5	
12/11/97	RE-56	4.5	soil	>13	0.4	46	0.6	
12/11/97	RE-57	6	soil	NM		28	0.3	
12/11/97	RE-58	7.5	soil	NM		4.2	0.41	

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

ORGANIC VAPOR SCREENING LOG

PROJECT: New Paltz Plaza — PAGE 1 of 2
CLIENT: New Paltz Plaza Properties
LOCATION: New Paltz, New York — DATE COLLECTED: 1/5-7/98
INSTRUMENT USED: HNU DL-101 — LAMP: 10.2 eV — DATE ANALYZED: 1/5-7/98
DATE INSTRUMENT CALIBRATED: 1/5-7/98 — By: MSR — ANALYST: Michael S. Ralbovsky
TEMPERATURE OF SOIL: ~70°F

Location ID	Sample Number	Depth (ft)	Sample Type	Sample Reading (ppm)	Background Reading (ppm)	Remarks
BR-3	1	0 - 3	soil	0.3	0.2	
BR-3	2	5	soil	0.8	0.2	
BR-3	3	10	soil	1.2	0.3	
BR-3	4	12	soil	1.0	0.3	Sample wet
BR-1	1	~7	soil	0.5	0.4	Wet
BR-1	2	~9	soil	0.7	0.4	Wet
BR-2	1	~3	soil	0.6	0.5	Wet
BR-2	2	~7	soil	0.7	0.5	Wet
MW-7	S-1	1 - 2	soil	0.3	0.3	
MW-7	S-2	2 - 4	soil	0.3	0.3	
MW-7	S-3	4 - 6	soil	0.4	0.3	
MW-7	S-4	6 - 8	soil	0.5	0.3	
MW-7	S-5	8 - 10	soil	0.6	0.3	
MW-8	S-1	1 - 3	soil	0.4	0.4	
MW-8	S-2	3 - 4	soil	0.4	0.4	
MW-8	S-3	4 - 6	soil	0.4	0.4	
MW-8	S-4	6 - 8	soil	0.6	0.4	
MW-8	S-5	8 - 10	soil	0.4	0.4	
MW-8	S-6	10 - 11.5	soil	0.5	0.4	

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

ORGANIC VAPOR SCREENING LOG

PROJECT: New Paltz Plaza — PAGE 2 of 2
CLIENT: New Paltz Plaza Properties
LOCATION: New Paltz, New York — DATE COLLECTED: 1/7-8/98
INSTRUMENT USED: HNU DL-101 — LAMP: 10.2 eV — DATE ANALYZED: 1/7-8/98
DATE INSTRUMENT CALIBRATED: 1/7-8/98 — By: MSR — ANALYST: Michael S. Ralbovsky
TEMPERATURE OF SOIL: ~70°F

Location ID	Sample Number	Depth (ft)	Sample Type	Sample Reading (ppm)	Background Reading (ppm)	Remarks
MW-9	S-1	2 - 4	soil	0.5	0.4	
MW-9	S-2	4 - 6	soil	0.5	0.3	
MW-9	S-3	6 - 8	soil	0.6	0.4	
MW-9	S-4	8 - 10	soil	2.2	0.4	
MW-9	S-5	10 - 11.9	soil	1.8	0.4	
MW-6	S-1	1 - 3	soil	0.3	0.3	
MW-6	S-2	3 - 5	soil	0.4	0.3	
MW-6	S-3	5 - 7	soil	0.4	0.3	
MW-6	S-4	7 - 7.7	soil	0.6	0.3	

APPENDIX G

Ground Water Sampling Forms

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

SAMPLE NO. MW-1

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz, NY

WELL ID MW-1
DATE 1-20-98

GENERAL
Weather Conditions Sun 25± °F
Site Access/Conditions Good
Physical Condition of Well Fair

PURGING INFORMATION
Depth to Water 1.57 Depth to Well Bottom 15' Ref. Elevation Top PVC
Water Column Height 13.43 Well Casing Diameter 4" ID
Well Volume 8.7 gals Purging Method Bailer
Actual Volume Evacuated 20 gallons Purging Time-Start 13:20 Purging Time-Stop 14:17
Depth to Water Prior to Sampling/After Purging Purged to dryness

OBSERVATIONS
Color clear Odor none
Turbidity moderate Sheen none
Presence of NAPL none Other none
Remarks

SAMPLING INFORMATION
Sampling Personnel S Trader
Sampling Method Bailer
Sample Date 1-20-98 Time 16:40
Sample Description
Analysis 8260

FIELD MEASUREMENTS

Temperature	45.26 °F / 47.2 /	Sample 45.1 °F	Instrument	
pH	7.33 / 7.45 /		Instrument	
Conductance	1.86 / 3.2 /	1.85	Instrument	
Turbidity	144.3 / 155.0 /	182.1	Instrument	
Redox	/ NM		Instrument	
Other				

REMARKS

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

SAMPLE NO. MW-2

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz, NY

WELL ID MW-2
DATE 1-20-98

GENERAL
Weather Conditions Sun 25± °F
Site Access/Conditions Good
Physical Condition of Well Fair

PURGING INFORMATION
Depth to Water 3.36 Depth to Well Bottom 13.0' Ref. Elevation Top PVC
Water Column Height 9.64 Well Casing Diameter 4" ID
Well Volume 6.2 gals Purging Method grundfos pump
Actual Volume Evacuated 19 gallons Purging Time-Start 15:45 Purging Time-Stop 16:05
Depth to Water Prior to Sampling/After Purging purged to dryness

OBSERVATIONS
Color Clear Odor none
Turbidity low Sheen none
Presence of NAPL none Other
Remarks

SAMPLING INFORMATION
Sampling Personnel MSR
Sampling Method Bailer
Sample Date 1-20-98 Time 16:55
Sample Description
Analysis 8260 + Duplicate; 8270 + Duplicate

FIELD MEASUREMENTS

	Vol. 1	Vol. 2		
Temperature	46.9	46.9	45.2	Instrument
pH	7.1	7.04	7.2	Instrument
Conductance	1.56	1.68	3.75	Instrument
Turbidity	26.2	20.7	2.4	Instrument
Redox	NM	NM	29.2	Instrument
Other				

REMARKS

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

SAMPLE NO. MW-3

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz, NY

WELL ID MW-3
DATE 1-20-98

GENERAL
Weather Conditions Sun 25± °F
Site Access/Conditions Good
Physical Condition of Well Fair

PURGING INFORMATION
Depth to Water 2.65 Depth to Well Bottom 15.0' Ref. Elevation Top PVC
Water Column Height 12.35 Well Casing Diameter 4" ID
Well Volume 8.0 gals Purging Method Grundfoss Pump
Actual Volume Evacuated 22 gallons Purging Time-Start 15:20 Purging Time-Stop 15:37
Depth to Water Prior to Sampling/After Purging Purged to dryness

OBSERVATIONS
Color Clear Odor mild petroleum
Turbidity low Sheen none
Presence of NAPL none Other none
Remarks

SAMPLING INFORMATION
Sampling Personnel S Trader
Sampling Method Bailer
Sample Date 1-20-98 Time 17:03
Sample Description
Analysis 8260 & 8270

FIELD MEASUREMENTS	1 vol.	2 vols		
Temperature	47.5	50.7	47.1	Instrument
pH	7.35	7.35	6.94	Instrument
Conductance	1.82	1.95	1.60	Instrument
Turbidity	119.2	22.0	45.6	Instrument
Redox	NM			Instrument
Other				

REMARKS

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

SAMPLE NO. MW-4

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz, NY

WELL ID MW-4
DATE 1-20-98

GENERAL
Weather Conditions Sunny 25 ± 0/-
Site Access/Conditions Good
Physical Condition of Well Good

PURGING INFORMATION
Depth to Water 2.35
Depth to Well Bottom 15.0'
Ref. Elevation Top PVC
Water Column Height 12.65
Well Casing Diameter
Well Volume 8.2 gals
Purging Method grundfoss pump
Actual Volume Evacuated 23 gallons
Purging Time-Start 2:50 pm
Purging Time-Stop 3:05 pm
Depth to Water Prior to Sampling/After Purging purged to dryness

OBSERVATIONS
Color Clear
Odor none
Turbidity low
Sheen none
Presence of NAPL none
Other none
Remarks

SAMPLING INFORMATION
Sampling Personnel MSF
Sampling Method Bailer
Sample Date 1-20-98
Time 17:10
Sample Description
Analysis 8270 Matrix spike & 8270 matrix spike duplicate; 8260 8270 B/N stars)

FIELD MEASUREMENTS	1 volume	2 vol's		
Temperature	49.5	50.3	46.1	Instrument
pH	7.18	7.64	7.10	Instrument
Conductance	3.88	1.65	3.31	Instrument
Turbidity	80.2	22.4	28.4	Instrument
Redox	NM	NM	NM	Instrument
Other				

REMARKS

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

SAMPLE NO. MW-6

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz, NY
WELL ID MW-6
DATE 1-20-98

GENERAL
Weather Conditions Sun 25± of
Site Access/Conditions Good
Physical Condition of Well New

PURGING INFORMATION
Depth to Water 3.23
Depth to Well Bottom 7.1'
Ref. Elevation Top PVC
Water Column Height 3.87
Well Casing Diameter 2" ID
Well Volume 0.65 gals
Purging Method Bailer
Actual Volume Evacuated 3.5 gals
Purging Time-Start 13:15
Purging Time-Stop 13.35
Depth to Water Prior to Sampling/After Purging

OBSERVATIONS
Color clear to light brown
Odor none
Turbidity low to moderate
Sheen none
Presence of NAPL none
Other
Remarks —

SAMPLING INFORMATION
Sampling Personnel MSR
Sampling Method Bailer
Sample Date 1-20-98
Time 16:25
Sample Description
Analysis 8260 + 8270

FIELD MEASUREMENTS

				Sample	
Temperature	46.5	47.4	47.3	44.7	Instrument
pH	7.45	7.37	7.35	7.22	Instrument
Conductance	2.05	3.80	3.70	1.75	Instrument
Turbidity	1160	105	149.8	73.0	Instrument
Redox	NM	NM	NM	NM	Instrument
Other	—	—	—	—	

REMARKS

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

SAMPLE NO. MW-7

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz NY

WELL ID MW-7
DATE 1-20-98

GENERAL
Weather Conditions Sunny, 25±°F
Site Access/Conditions open
Physical Condition of Well fair

PURGING INFORMATION
Depth to Water 1.79 Depth to Well Bottom 10' Ref. Elevation —
Water Column Height 8.21 Well Casing Diameter 2" ID
Well Volume 1.34 gal Purging Method Bailer
Actual Volume Evacuated 2.5 gals today Purging Time-Start 12:45 Purging Time-Stop 13:10
Depth to Water Prior to Sampling/After Purging Purged to dryness

OBSERVATIONS
Color Clear Odor None
Turbidity Low Sheen None
Presence of NAPL None Other —
Remarks —

SAMPLING INFORMATION
Sampling Personnel M. Ralbovsky, S. Truden
Sampling Method
Sample Date Time 16:20
Sample Description
Analysis EPA 8260

FIELD MEASUREMENTS

			Sample	
Temperature	45.9	45.9	46.0	Instrument
pH	7.23	7.24	7.25	Instrument
Conductance	3.66	2.13	2.97	Instrument
Turbidity	>200	>200	166.8	Instrument
Redox	NM	NM	NM	Instrument
Other	—	—	—	

REMARKS

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

SAMPLE NO. MW-8

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz NY

WELL ID MW-8
DATE 1-20-98

GENERAL
Weather Conditions Sun 25° F
Site Access/Conditions good
Physical Condition of Well fair

PURGING INFORMATION
Depth to Water 3.3 Depth to Well Bottom 11.5 Ref. Elevation
Water Column Height 8.2' Well Casing Diameter 2" ID
Well Volume 1.336 gallons Purging Method Bailer
Actual Volume Evacuated 5 gallons Purging Time-Start 11:25 Purging Time-Stop 11:52
Depth to Water Prior to Sampling/After Purging purged to dryness

OBSERVATIONS
Color clear Odor none
Turbidity low Sheen none
Presence of NAPL none Other none
Remarks

SAMPLING INFORMATION
Sampling Personnel Steve Trader
Sampling Method Bailer
Sample Date 1-20-98 Time 14:45
Sample Description
Analysis 8260

1 / 2 / 3 / Sample

FIELD MEASUREMENTS

Temperature	44°F / 44.5°F / 45.6°F / 43.5°F	Instrument
pH	7.20 / 7.15 / 7.11 / 7.61	Instrument
Conductance	4.01 / 4.30 / 4.40 / 4.26	Instrument
Turbidity	~~[illegible] (200+ NTU)~~	Instrument
~~Redox~~	36.2 / 170.1 / 45.0 / 62.5	Instrument
Other		

REMARKS Field measurements taken after 1 well volume / 2 w volumes / 3 vol.

/ Field Lab Sample

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

SAMPLE NO. MW-9

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz, NY

WELL ID MW-9
DATE 1-20-98

GENERAL
Weather Conditions Sunny, 25 I °F
Site Access/Conditions good
Physical Condition of Well fair

PURGING INFORMATION
Depth to Water 3.64
Depth to Well Bottom 11.9'
Ref. Elevation
Water Column Height 8.26 ft
Well Casing Diameter 2" ID
Well Volume 1.35 gallons
Purging Method Bailer
Actual Volume Evacuated 5 gallons
Purging Time-Start 12:43
Purging Time-Stop 13:09
Depth to Water Prior to Sampling/After Purging Purged to Dryness

OBSERVATIONS
Color clear
Odor none
Turbidity low
Sheen none
Presence of NAPL none
Other —
Remarks —

SAMPLING INFORMATION
Sampling Personnel Steve Trader
Sampling Method Bailer
Sample Date 1-20-98
Time 16:18
Sample Description
Analysis 8260

1st vol. 2nd vol ✓ after 3rd volume

FIELD MEASUREMENTS

Temperature	44.6 / 48.4 / 48.1	Instrument	
pH	7.25 / 6.69 / 6.66	Instrument	
Conductance	3.26 / 3.20 / 2.17	Instrument	
Turbidity	>200 / >200 / >200	Instrument	
Redox	NM	Instrument	
Other	—		

REMARKS

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

SAMPLE NO. BR-1

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz, NY

WELL ID BR-1
DATE 1-20-98

GENERAL
Weather Conditions Sun 25± °F
Site Access/Conditions Good
Physical Condition of Well New

PURGING INFORMATION
Depth to Water 3.18 Depth to Well Bottom 20.0' Ref. Elevation Top Steel
Water Column Height 16.82 Well Casing Diameter 4" open hole
Well Volume 11 gals Purging Method Bailer
Actual Volume Evacuated 11 gals to dry Purging Time-Start 10:40 Purging Time-Stop 11:05
Depth to Water Prior to Sampling/After Purging 18.6' — allowed to recover ~2.75 hrs after purging.

OBSERVATIONS
Color light grey Odor None
Turbidity Low Sheen None
Presence of NAPL None Other —
Remarks —

SAMPLING INFORMATION
Sampling Personnel M. Ralbovsky, S Trader
Sampling Method Bailer
Sample Date 1-20-98 Time 13:45
Sample Description —
Analysis EPA 8260, 8270 BN (STARS)

FIELD MEASUREMENTS

		sample	
Temperature	55.3	55.3	Instrument
pH	11.53	11.45	Instrument
Conductance	(4.18)	(3.6)	Instrument
Turbidity	>200	134.8	Instrument
Redox	nm	nm	Instrument
Other	—	—	

REMARKS

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

SAMPLE NO. BR-2

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz, NY

WELL ID BR-2
DATE 1-20-98

GENERAL
Weather Conditions Sun 25± °F
Site Access/Conditions Good
Physical Condition of Well New

PURGING INFORMATION
Depth to Water 2.07 Depth to Well Bottom 19.5 Ref. Elevation Top Steel
Water Column Height 17.43 Well Casing Diameter 4" open hole
Well Volume 11.3 gals Purging Method Grundfoss pump
Actual Volume Evacuated 11 gallons Purging Time-Start 14:27 Purging Time-Stop 14:35
Depth to Water Prior to Sampling/After Purging Purged to dryness

OBSERVATIONS
Color Clear Odor None
Turbidity Low Sheen None
Presence of NAPL None Other —
Remarks

SAMPLING INFORMATION
Sampling Personnel M. Rafkowsky, S Trader
Sampling Method Bailer
Sample Date 1-20-98 Time 16 35
Sample Description
Analysis EPA 8260

FIELD MEASUREMENTS

		Sample	
Temperature	49.6	47.5	Instrument
pH	7.40	7.04	Instrument
Conductance	3.65	1.58	Instrument
Turbidity	>200	136.8	Instrument
Redox	NM	NM	Instrument
Other	—	—	

REMARKS

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

SAMPLE NO. BK-3

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz Plaza

WELL ID BK-3
DATE 1-20-98

GENERAL
Weather Conditions Sun 25± °F
Site Access/Conditions Good
Physical Condition of Well New

PURGING INFORMATION
Depth to Water 3.48 Depth to Well Bottom 23.5 Ref. Elevation Top steel
Water Column Height 20.01 Well Casing Diameter 4" Open hole
Well Volume 13.0 gals Purging Method Bailer
Actual Volume Evacuated Dry after 13 gal Purging Time-Start 11:25 Purging Time-Stop 11:44
Depth to Water Prior to Sampling/After Purging purged to dryness

OBSERVATIONS
Color Light grey Odor None
Turbidity low Sheen None
Presence of NAPL None Other —
Remarks

SAMPLING INFORMATION
Sampling Personnel M. Kalbacka, S. Trinder
Sampling Method Bailer
Sample Date 1-20-98 Time 14:10
Sample Description
Analysis EPA 8260, [redacted]

FIELD MEASUREMENTS

		Sample	
Temperature	49.8	46.7	Instrument
pH	(0.60	10.90	Instrument
Conductance	(2.12)	(1.55)	Instrument
Turbidity	>200	188.1	Instrument
Redox			Instrument
Other			

REMARKS

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

Development

SAMPLE NO. BR-1

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz, NY

WELL ID BR-1
DATE 1-12-96

GENERAL
Weather Conditions Sun 20's PF
Site Access/Conditions Good
Physical Condition of Well New

PURGING INFORMATION
Depth to Water 5.06
Depth to Well Bottom 20.0'
Ref. Elevation Top 4" steel casing
Water Column Height 14.94
Well Casing Diameter 4" ID
Well Volume 9.7 gal
Purging Method Grundfos
Actual Volume Evacuated ~10 gal
Purging Time-Start
Purging Time-Stop
Depth to Water Prior to Sampling/After Purging

OBSERVATIONS
Color Gray brown
Odor None
Turbidity High
Sheen None
Presence of NAPL None
Other
Remarks

SAMPLING INFORMATION
Sampling Personnel NA
Sampling Method
Sample Date
Time
Sample Description
Analysis

FIELD MEASUREMENTS

		Instrument	
Temperature	57.8	Instrument	Hydac
pH	12.30	Instrument	
Conductance	88	Instrument	
Turbidity	max/low	Instrument	
Redox	nm	Instrument	
Other			

REMARKS Less than 0.2' Recovery after 60 minutes

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

Development

SAMPLE NO. BR-2

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz, NY

WELL ID BR-2
DATE 1-12-98

GENERAL
Weather Conditions Sun 20's oF
Site Access/Conditions Good
Physical Condition of Well New

PURGING INFORMATION
Depth to Water 1.57
Depth to Well Bottom 19.5
Ref. Elevation Top 4" steel casing
Water Column Height 17.93
Well Casing Diameter 4" ID
Well Volume 11.7 gals
Purging Method Grundfos
Actual Volume Evacuated 38 gals
Purging Time-Start —
Purging Time-Stop —
Depth to Water Prior to Sampling/After Purging —

OBSERVATIONS
Color Orange green
Odor None
Turbidity High
Sheen None
Presence of NAPL None
Other —
Remarks

SAMPLING INFORMATION
Sampling Personnel NA
Sampling Method
Sample Date
Time
Sample Description
Analysis

FIELD MEASUREMENTS

	1	2	3	4
Temperature	50.4	52.2	50.3	50.6
pH	10.96	8.82	8.49	8.89
Conductance	200	130	98	120
Turbidity	>200	>200	>200	>200
Redox	nm			
Other				

Instrument Hydac
Instrument
Instrument
Instrument
Instrument

REMARKS

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

Development

SAMPLE NO. BR-3

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz, NY

WELL ID BR-3
DATE 1-12-98

GENERAL
Weather Conditions Sun 20's
Site Access/Conditions Good
Physical Condition of Well New

PURGING INFORMATION
Depth to Water 3.28
Depth to Well Bottom 23.5
Ref. Elevation Top steel casing (4")
Water Column Height 20.22
Well Casing Diameter 4" open hole
Well Volume 13.1 gals
Purging Method Grundfos
Actual Volume Evacuated ~42 gals
Purging Time-Start —
Purging Time-Stop —
Depth to Water Prior to Sampling/After Purging

OBSERVATIONS
Color light grey
Turbidity ~~heavy~~ moderate to high
Presence of NAPL None
Odor None
Sheen None
Other —
Remarks

SAMPLING INFORMATION
Sampling Personnel N/A
Sampling Method
Sample Date
Time
Sample Description
Analysis

FIELD MEASUREMENTS

	1	2	3	4
Temperature	51.7	53.8	52.0	52.2	51.4
pH	10.26	10.27	9.90	8.03	8.19
Conductance	511	405	380	220	240
Turbidity	>200	>200	>200	>200	>200
Redox	NM				
Other					

Hydac
Instrument
Instrument
Instrument
Instrument —
Instrument —

>200 after 1/2 well volume

REMARKS
Well goes dry, very slow to recover

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

Development

SAMPLE NO. MW-6

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz, NY
WELL ID MW-6
DATE 1-12-98

GENERAL
Weather Conditions: Sun 20±0F
Site Access/Conditions: Good
Physical Condition of Well: New

PURGING INFORMATION
Depth to Water: 3.31
Depth to Well Bottom: 7.1
Ref. Elevation: Top PVC
Water Column Height: 3.79
Well Casing Diameter: 2" ID
Well Volume: 0.64 gals
Purging Method: Bailer
Actual Volume Evacuated: 5 gals.
Purging Time-Start: —
Purging Time-Stop: —
Depth to Water Prior to Sampling/After Purging: —

OBSERVATIONS
Color: Brown green
Odor: None
Turbidity: high
Sheen: None
Presence of NAPL: none
Other:
Remarks:

SAMPLING INFORMATION
Sampling Personnel: NA
Sampling Method:
Sample Date:
Time:
Sample Description:
Analysis:

FIELD MEASUREMENTS

	1	2	3	4	5
Temperature	47.9	47.6	48.7	48.7	48.2
pH	9.35	9.23	8.75	8.74	9.24
Conductance	100	460	110	90	88
Turbidity	>200	>200	>200	>200	>200
Redox	NA				
Other					

Instrument: Hydac
Instrument:
Instrument:
Instrument:
Instrument:

REMARKS

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

SAMPLE NO. MW-7

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz, NY

WELL ID MW-7
DATE 1-12-98

GENERAL
Weather Conditions Sun 20± °F
Site Access/Conditions Good
Physical Condition of Well New

PURGING INFORMATION
Depth to Water 2.10
Depth to Well Bottom 9.3
Ref. Elevation Top PVC
Water Column Height 7.2
Well Casing Diameter 2" ID
Well Volume 1.2 gals
Purging Method Bailer
Actual Volume Evacuated 6 gals
Purging Time-Start —
Purging Time-Stop —
Depth to Water Prior to Sampling/After Purging —

OBSERVATIONS
Color Brown
Odor None
Turbidity High
Sheen None
Presence of NAPL None
Other —
Remarks —

SAMPLING INFORMATION
Sampling Personnel NA
Sampling Method
Sample Date
Time
Sample Description
Analysis

FIELD MEASUREMENTS

	1	2	3	4	5	
Temperature (°F)	46.6	47.1	47.0	46.2	45.7	Instrument Hydac
pH	9.10	9.26	9.24	8.35	8.21	Instrument
Conductance	1200	1307	980	930	981	Instrument
Turbidity	>200	>200	>200	>200	>200	Instrument
Redox						Instrument
Other						

REMARKS difficulty getting stable readings

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

Development

SAMPLE NO. MW-8

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz, NY

WELL ID MW-8
DATE 1-12-98

GENERAL
Weather Conditions Sun 20±°F
Site Access/Conditions Good
Physical Condition of Well New

PURGING INFORMATION
Depth to Water 3.21
Depth to Well Bottom 10.8
Ref. Elevation Top PVC
Water Column Height 7.59
Well Casing Diameter 2" ID
Well Volume 1.3 gals
Purging Method Bailer
Actual Volume Evacuated 10 gals
Purging Time-Start —
Purging Time-Stop —
Depth to Water Prior to Sampling/After Purging —

OBSERVATIONS
Color Brown
Odor None
Turbidity High
Sheen None
Presence of NAPL None
Other
Remarks

SAMPLING INFORMATION
Sampling Personnel NA
Sampling Method
Sample Date
Time
Sample Description
Analysis

FIELD MEASUREMENTS

	1/2	1	2	3	4	5
Temperature	44.2	43.8	44.1	43.1	44.5	44.2
pH	8.15	8.20	8.14	8.18	8.04	8.28
Conductance	210	240	320	270	570	600
Turbidity	>200	>200	>200	>200	>200	>200
Redox						
Other						

Instrument Hydac
Instrument
Instrument
Instrument
Instrument

REMARKS

GROUND WATER SAMPLING RECORD

ALPHA GEOSCIENCE
400 Trillium Lane
Albany, New York 12203

Development

SAMPLE NO. MW-9

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 95141
SITE LOCATION New Paltz, NY

WELL ID MW-9
DATE

GENERAL
Weather Conditions Sun 20's °F
Site Access/Conditions Good
Physical Condition of Well New

PURGING INFORMATION
Depth to Water 3.47 Depth to Well Bottom 11.0' Ref. Elevation Top PVC
Water Column Height 7.53 Well Casing Diameter 2" ID
Well Volume 1.3 gals Purging Method Bailer
Actual Volume Evacuated 6.5 gals Purging Time-Start — Purging Time-Stop —
Depth to Water Prior to Sampling/After Purging —

OBSERVATIONS
Color Light Brown Odor None
Turbidity High Sheen None
Presence of NAPL None Other —
Remarks

SAMPLING INFORMATION
Sampling Personnel Not sampled
Sampling Method
Sample Date Time —
Sample Description
Analysis

FIELD MEASUREMENTS

	1	2	3	4	5
Temperature	53.0 °F / 45.7	46.0	45.2	45.6	Instrument 46.0
pH	8.43 / 8.91	8.45	8.40	8.50	Instrument 8.56
Conductance	733 / 726	660	624	615	Instrument 6.26
Turbidity	>200 NTU / >200	>200	>200	>200	Instrument
Redox	NM				Instrument
Other	—				

REMARKS

APPENDIX H

Ground Water Sampling Protocol

Ground Water Sampling Protocol

1. Measure the depth to water and the bottom of the well. Calculate the volume of water in the well casing, and record all information on a Ground Water Sampling Record. Decontaminate the measuring device between each well, if necessary.

2. Account for the sand pack, as appropriate, in a low permeability unit, and purge three to five well volumes or until dry, using a dedicated disposable bailer, or clean dedicated tubing. After purging 5 well volumes, the turbidity of the water from the well will be measured. If the turbidity is 50 NTUs or less, samples will be collected for laboratory analysis, as described below. If the turbidity exceeds 50 NTUs, the NYSDEC on site representative will determine whether the sample is acceptable for laboratory analysis ,or additional purging is warranted. Measurements of pH, temperature, and specific conductivity will be recorded during purging and/or sampling to assess the effectiveness of purging. Decontaminate monitoring probes or instrumentation between each well use, if necessary. Record purge start and stop time and actual volume removed from well. Don new latex gloves for each well, or more frequently, if necessary. Use clean ground plastic at each well.

3. Allow ground water to recover to 90% of original depth to water or for a maximum of 3 hours prior to sampling. Field personnel will document reason(s) for sampling prior to 90% recovery, if necessary. Measure and record depth to water at the time of sampling.

4. Collect the water sample from the appropriate depth with as little agitation as possible, using the dedicated sampling equipment. Transfer the sample to a clean container which does not contain any preservative, again minimizing agitation. Ensure no air bubbles are present in the container. Record sample time, description (i.e., turbid, odor, sheen, etc.), and type of analysis required.

5. Immediately place sample in a chilled cooler and keep properly chilled until delivery to the laboratory. Complete proper chain of custody forms to accompany samples during transport.

d:/project/npplaza/gwsamp.wpd

APPENDIX I

Laboratory Analytical Summary Reports

Excavation Samples

EnviroTest Laboratories Inc.

315 Fullerton Avenue
Newburgh, NY 12550

SAMPLE DATA SUMMARY PACKAGE

Alpha Geoscience
Albany, NY

Project: 95141
Lab #'s: 179557 & 179654

Matrix: Soil

CASE NARRATIVE

Client: Alpha Geoscience
Date: 12/29/97
ETL Lab No. 179557 and 179654

Volatiles

Sample Dilution

The following sample was initially diluted at the indicated amount due to suspected high concentrations of method analytes:

RE-22A (179557-04): 5x

The following samples were initially methanol diluted at the indicated amount due to suspected high concentrations of method analytes:

RE-9A (179557-01): 125x
RE-9Adup (179557-02): 125x

The following sample was methanol diluted at the indicated amount due to compounds that exceed the linear calibration range:

RE22ADL (179557-04DL): 125x

Tentatively Identified Compounds

The parameter acetone is contained in the standard mixture that was used to prepare the initial calibration. Although acetone is not a method parameter it was positively identified and quantified in several samples. Therefore, acetone has been reported as a TIC parameter without the "J" qualifier indicating a true calculated result.

Semi-Volatiles

Matrix Spike/Matrix Spike Duplicate

Client ID 179557-04 (RE-22A)

The % RPD for 1,4-Dichlorobenzene, 1,2,4-Trichlorobenzene and Acenaphthene fall outside the acceptable limits.

Client ID 179654-02 (RE-30A)

The percent recovery for 1,2,4-Trichlorobenzene in the matrix spike falls outside the acceptable limits. The % RPD for 1,4-Dichlorobenzene, 1,2,4-Trichlorobenzene and Acenaphthene fall outside the acceptable limits. It is important to note, however, that the recovery in the associated matrix spike blank is acceptable.

315 Fullerton Avenue
Newburgh, NY 12550
(914) 562-0890

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID:	RE-9A	Date Collected:	03-DEC-97
ETL Sample Number:	179557-01	Date Received:	03-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	95141	Date Analyzed:	04-DEC-97
% Solid:	87.5	Report Date:	22-DEC-97
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	10000ul	Lab File Id:	V0867.D
Level:	MED	Dilution Factor:	1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	140		U
108-86-1	Bromobenzene	140		U
74-97-5	Bromochloromethane	140		U
75-27-4	Bromodichloromethane	140		U
75-25-2	Bromoform	140		U
74-83-9	Bromomethane	140		U
104-51-8	n-Butylbenzene	140	2000	
135-98-8	sec-Butylbenzene	140	1300	
98-06-6	tert-Butylbenzene	140		U
56-23-5	Carbon tetrachloride	140		U
108-90-7	Chlorobenzene	140		U
75-00-3	Chloroethane	140		U
67-66-3	Chloroform	140		U
74-87-3	Chloromethane	140		U
95-49-8	2-Chlorotoluene	140		U
106-43-4	4-Chlorotoluene	140		U
124-48-1	Dibromochloromethane	140		U
106-93-4	1,2-Dibromoethane	140		U
74-95-3	Dibromomethane	140		U
95-50-1	1,2-Dichlorobenzene	140		U
541-73-1	1,3-Dichlorobenzene	140		U
106-46-7	1,4-Dichlorobenzene	140		U
75-71-8	Dichlorodifluoromethane	140		U
75-34-3	1,1-Dichloroethane	140		U
107-06-2	1,2-Dichloroethane	140		U
75-35-4	1,1-Dichloroethene	140		U
156-59-4	cis-1,2-Dichloroethene	140		U
156-60-5	trans-1,2-Dichloroethene	140		U
10061-01-5	cis-1,3-Dichloropropene	140		U
10061-02-6	trans-1,3-Dichloropropene	140		U
78-87-5	1,2-Dichloropropane	140		U
142-28-9	1,3-Dichloropropane	140		U
590-20-7	2,2-Dichloropropane	140		U
563-58-6	1,1-Dichloropropene	140		U
100-41-4	Ethylbenzene	140	260	
87-68-3	Hexachlorobutadiene	140		U
98-82-8	Isopropyl benzene	140	550	
99-87-6	4-Isopropyltoluene	140	700	
75-09-2	Methylene chloride	140		U
91-20-3	Naphthalene	140	670	
103-65-1	n-Propylbenzene	140	920	
100-42-5	Styrene	140		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 179557-01

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	140		U
108-67-8	1,3,5-Trimethylbenzene	140	1500	—
79-34-5	1,1,2,2-Tetrachloroethane	140		U
127-18-4	Tetrachloroethene	140		U
108-88-3	Toluene	140		U
87-61-6	1,2,3-Trichlorobenzene	140		U
120-82-1	1,2,4-Trichlorobenzene	140		U
71-55-6	1,1,1-Trichloroethane	140		U
79-00-5	1,1,2-Trichloroethane	140		U
79-01-6	Trichloroethene	140		U
75-69-4	Trichlorofluoromethane	140		U
96-18-4	1,2,3-Trichloropropane	140		U
95-63-6	1,2,4-Trimethylbenzene	140	3900	
75-01-4	Vinyl chloride	140		U
95-47-6	o-Xylene	140	100	J
108-38-3/106-42-3	m,p-Xylene	140	170	
96-12-8	1,2-Dibromo-3-chloropropane	140		U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RE-9A

Lab Name:ENVIROTEST LABORATORIES Contract:95141

Lab Code:10142 Case No.: SAS No.: SDG No.:AG557

Matrix: (soil/water) SOIL Lab Sample ID:179557-01

Sample wt/vol: 4.00 (g/ml) G Lab File ID: V0867

Level: (low/med) MED Date Received:12/03/97

% Moisture: not dec. 12 Date Analyzed:12/04/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:10000.00 (uL) Soil Aliquot Volume: 100.0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Methyl propyl benzene isomer	25.13	11000.	J
2.		Methyl propyl benzene isomer	25.71	8500.	J
3.		Methyl,methylethyl benzene i	26.00	8400.	J
4.		C10H14 isomer	26.20	7100.	J
5.		Methyl propenyl benzene isom	27.92	8800.	J
6.		C10H14 isomer	28.30	16000.	J
7.		C11H16 isomer	29.25	9900.	J
8.	3877-19-8	Naphthalene, 1,2,3,4-tetrahy	30.07	8100.	J
9.		Tetrahydronaphthalene isomer	31.29	23000.	J
10.		Tetrahydronaphthalene isomer	32.09	8600.	J
11.		C12H16 isomer	32.55	18000.	J
12.		C12H16 isomer	32.71	7700.	J
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

EnviroTest
315 Fullerton Avenue
Newburgh, NY 12550
(914) 562-0890

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID:	RE-9A DUP	Date Collected:	03-DEC-97
ETL Sample Number:	179557-02	Date Received:	03-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	95141	Date Analyzed:	04-DEC-97
% Solid:	87.2	Report Date:	22-DEC-97
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	10000ul	Lab File Id:	V0868.D
Level:	MED	Dilution Factor:	1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	140		U
108-86-1	Bromobenzene	140		U
74-97-5	Bromochloromethane	140		U
75-27-4	Bromodichloromethane	140		U
75-25-2	Bromoform	140		U
74-83-9	Bromomethane	140		U
104-51-8	n-Butylbenzene	140	2600	
135-98-8	sec-Butylbenzene	140	1600	
98-06-6	tert-Butylbenzene	140		U
56-23-5	Carbon tetrachloride	140		U
108-90-7	Chlorobenzene	140		U
75-00-3	Chloroethane	140		U
67-66-3	Chloroform	140		U
74-87-3	Chloromethane	140		U
95-49-8	2-Chlorotoluene	140		U
106-43-4	4-Chlorotoluene	140		U
124-48-1	Dibromochloromethane	140		U
106-93-4	1,2-Dibromoethane	140		U
74-95-3	Dibromomethane	140		U
95-50-1	1,2-Dichlorobenzene	140		U
541-73-1	1,3-Dichlorobenzene	140		U
106-46-7	1,4-Dichlorobenzene	140		U
75-71-8	Dichlorodifluoromethane	140		U
75-34-3	1,1-Dichloroethane	140		U
107-06-2	1,2-Dichloroethane	140		U
75-35-4	1,1-Dichloroethene	140		U
156-59-4	cis-1,2-Dichloroethene	140		U
156-60-5	trans-1,2-Dichloroethene	140		U
10061-01-5	cis-1,3-Dichloropropene	140		U
10061-02-6	trans-1,3-Dichloropropene	140		U
78-87-5	1,2-Dichloropropane	140		U
142-28-9	1,3-Dichloropropane	140		U
590-20-7	2,2-Dichloropropane	140		U
563-58-6	1,1-Dichloropropene	140		U
100-41-4	Ethylbenzene	140	260	
87-68-3	Hexachlorobutadiene	140		U
98-82-8	Isopropyl benzene	140	550	
99-87-6	4-Isopropyltoluene	140	800	
75-09-2	Methylene chloride	140		U
91-20-3	Naphthalene	140	790	
103-65-1	n-Propylbenzene	140	970	
100-42-5	Styrene	140		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 179557-02

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	140		U
108-67-8	1,3,5-Trimethylbenzene	140	1500	
79-34-5	1,1,2,2-Tetrachloroethane	140		U
127-18-4	Tetrachloroethene	140		U
108-88-3	Toluene	140		U
87-61-6	1,2,3-Trichlorobenzene	140		U
120-82-1	1,2,4-Trichlorobenzene	140		U
71-55-6	1,1,1-Trichloroethane	140		U
79-00-5	1,1,2-Trichloroethane	140		U
79-01-6	Trichloroethene	140		U
75-69-4	Trichlorofluoromethane	140		U
96-18-4	1,2,3-Trichloropropane	140		U
95-63-6	1,2,4-Trimethylbenzene	140	4400	
75-01-4	Vinyl chloride	140		U
95-47-6	o-Xylene	140	130	J
108-38-3/106-42-3	m,p-Xylene	140	170	
96-12-8	1,2-Dibromo-3-chloropropane	140		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-9A DUP

Lab Name:ENVIROTEST LABORATORIES Contract:95141

Lab Code:10142 Case No.: SAS No.: SDG No.:AG557

Matrix: (soil/water) SOIL Lab Sample ID:179557-02

Sample wt/vol: 4.00 (g/ml) G Lab File ID: V0868

Level: (low/med) MED Date Received:12/03/97

% Moisture: not dec. 11 Date Analyzed:12/04/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:10000.00 (uL) Soil Aliquot Volume: 100.0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1074-43-7	Benzene, 1-methyl-3-propyl-	25.14	13000.	J
2.	135-98-8	Benzene, (1-methylpropyl)-	25.70	11000.	J
3.	25155-15-1	Methyl,methylethyl benzene i	26.00	9500.	J
4.		C10H12 isomer	27.92	9800.	J
5.		C10H14 isomer	28.29	18000.	J
6.	119-64-2	Naphthalene, 1,2,3,4-tetrahy	28.68	8200.	J
7.		C11H16 isomer	29.25	10000.	J
8.	3877-19-8	Naphthalene, 1,2,3,4-tetrahy	30.07	9300.	J
9.		Tetrahydro naphtahlene isome	31.29	26000.	J
10.		Tetrahydronaphthalene isomer	32.09	10000.	J
11.		C12H16 isomer	32.56	23000.	J
12.		C12H16 isomer	32.71	9500.	J
13.					
14.					
15.					
16.					
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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID:	RE-14A	Date Collected:	03-DEC-97
ETL Sample Number:	179557-03	Date Received:	03-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	95141	Date Analyzed:	03-DEC-97
% Solid:	88.4	Report Date:	22-DEC-97
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	5g	Lab File Id:	W6716.D
Level:	LOW	Dilution Factor:	1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.1		U
108-86-1	Bromobenzene	1.1		U
74-97-5	Bromochloromethane	1.1		U
75-27-4	Bromodichloromethane	1.1		U
75-25-2	Bromoform	1.1		U
74-83-9	Bromomethane	1.1		U
104-51-8	n-Butylbenzene	1.1		U
135-98-8	sec-Butylbenzene	1.1		U
98-06-6	tert-Butylbenzene	1.1		U
56-23-5	Carbon tetrachloride	1.1		U
108-90-7	Chlorobenzene	1.1		U
75-00-3	Chloroethane	1.1		U
67-66-3	Chloroform	1.1		U
74-87-3	Chloromethane	1.1		U
95-49-8	2-Chlorotoluene	1.1		U
106-43-4	4-Chlorotoluene	1.1		U
124-48-1	Dibromochloromethane	1.1		U
106-93-4	1,2-Dibromoethane	1.1		U
74-95-3	Dibromomethane	1.1		U
95-50-1	1,2-Dichlorobenzene	1.1		U
541-73-1	1,3-Dichlorobenzene	1.1		U
106-46-7	1,4-Dichlorobenzene	1.1		U
75-71-8	Dichlorodifluoromethane	1.1		U
75-34-3	1,1-Dichloroethane	1.1		U
107-06-2	1,2-Dichloroethane	1.1		U
75-35-4	1,1-Dichloroethene	1.1		U
156-59-4	cis-1,2-Dichloroethene	1.1		U
156-60-5	trans-1,2-Dichloroethene	1.1		U
10061-01-5	cis-1,3-Dichloropropene	1.1		U
10061-02-6	trans-1,3-Dichloropropene	1.1		U
78-87-5	1,2-Dichloropropane	1.1		U
142-28-9	1,3-Dichloropropane	1.1		U
590-20-7	2,2-Dichloropropane	1.1		U
563-58-6	1,1-Dichloropropene	1.1		U
100-41-4	Ethylbenzene	1.1		U
87-68-3	Hexachlorobutadiene	1.1		U
98-82-8	Isopropyl benzene	1.1		U
99-87-6	4-Isopropyltoluene	1.1		U
75-09-2	Methylene chloride	1.1		U
91-20-3	Naphthalene	1.1		U
103-65-1	n-Propylbenzene	1.1		U
100-42-5	Styrene	1.1		U

Volatile Organics Analysis Data Sheet
Form I VOA
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Results are continued from the previous page for 179557-03

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.1		U
108-67-8	1,3,5-Trimethylbenzene	1.1		U
79-34-5	1,1,2,2-Tetrachloroethane	1.1		U
127-18-4	Tetrachloroethene	1.1	3.4	
108-88-3	Toluene	1.1		U
87-61-6	1,2,3-Trichlorobenzene	1.1		U
120-82-1	1,2,4-Trichlorobenzene	1.1		U
71-55-6	1,1,1-Trichloroethane	1.1		U
79-00-5	1,1,2-Trichloroethane	1.1		U
79-01-6	Trichloroethene	1.1		U
75-69-4	Trichlorofluoromethane	1.1		U
96-18-4	1,2,3-Trichloropropane	1.1		U
95-63-6	1,2,4-Trimethylbenzene	1.1		U
75-01-4	Vinyl chloride	1.1		U
95-47-6	o-Xylene	1.1		U
108-38-3/106-42-3	m,p-Xylene	1.1		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-14A

Lab Name:ENVIROTEST LABORATORIES Contract:95141

Lab Code:10142 Case No.: SAS No.: SDG No.:AG557

Matrix: (soil/water) SOIL Lab Sample ID:179557-03

Sample wt/vol: 5.00 (g/ml) G Lab File ID: W6716

Level: (low/med) LOW Date Received:12/03/97

% Moisture: not dec. 12 Date Analyzed:12/03/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	67-64-1	Acetone	7.38	3.	
2.	71-23-8	1-Propanol	10.58	11.	J
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Volatile Organics Analysis Data Sheet
Form I VOA
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Client ID:	RE-22A	Date Collected:	03-DEC-97
ETL Sample Number:	179557-04	Date Received:	03-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	95141	Date Analyzed:	05-DEC-97
% Solid:	87.0	Report Date:	22-DEC-97
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	1g	Lab File Id:	W6738.D
Level:	LOW	Dilution Factor:	5.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	5.7		U
108-86-1	Bromobenzene	5.7		U
74-97-5	Bromochloromethane	5.7		U
75-27-4	Bromodichloromethane	5.7		U
75-25-2	Bromoform	5.7		U
74-83-9	Bromomethane	5.7		U
104-51-8	n-Butylbenzene	5.7	420	
135-98-8	sec-Butylbenzene	5.7	270	
98-06-6	tert-Butylbenzene	5.7		U
56-23-5	Carbon tetrachloride	5.7		U
108-90-7	Chlorobenzene	5.7		U
75-00-3	Chloroethane	5.7		U
67-66-3	Chloroform	5.7	13	
74-87-3	Chloromethane	5.7		U
95-49-8	2-Chlorotoluene	5.7		U
106-43-4	4-Chlorotoluene	5.7		U
124-48-1	Dibromochloromethane	5.7		U
106-93-4	1,2-Dibromoethane	5.7		U
74-95-3	Dibromomethane	5.7		U
95-50-1	1,2-Dichlorobenzene	5.7		U
541-73-1	1,3-Dichlorobenzene	5.7		U
106-46-7	1,4-Dichlorobenzene	5.7		U
75-71-8	Dichlorodifluoromethane	5.7		U
75-34-3	1,1-Dichloroethane	5.7		U
107-06-2	1,2-Dichloroethane	5.7		U
75-35-4	1,1-Dichloroethene	5.7		U
156-59-4	cis-1,2-Dichloroethene	5.7		U
156-60-5	trans-1,2-Dichloroethene	5.7		U
10061-01-5	cis-1,3-Dichloropropene	5.7		U
10061-02-6	trans-1,3-Dichloropropene	5.7		U
78-87-5	1,2-Dichloropropane	5.7		U
142-28-9	1,3-Dichloropropane	5.7		U
590-20-7	2,2-Dichloropropane	5.7		U
563-58-6	1,1-Dichloropropene	5.7		U
100-41-4	Ethylbenzene	5.7	48	
87-68-3	Hexachlorobutadiene	5.7		U
98-82-8	Isopropyl benzene	5.7	120	
99-87-6	4-Isopropyltoluene	5.7	150	
75-09-2	Methylene chloride	5.7		U
91-20-3	Naphthalene	5.7	190	
103-65-1	n-Propylbenzene	5.7		U
100-42-5	Styrene	5.7		U

Volatile Organics Analysis Data Sheet
Form I VOA
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Results are continued from the previous page for 179557-04

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	5.7		U
108-67-8	1,3,5-Trimethylbenzene	5.7	320	
79-34-5	1,1,2,2-Tetrachloroethane	5.7		U
127-18-4	Tetrachloroethene	5.7	23	
108-88-3	Toluene	5.7		U
87-61-6	1,2,3-Trichlorobenzene	5.7		U
120-82-1	1,2,4-Trichlorobenzene	5.7		U
71-55-6	1,1,1-Trichloroethane	5.7		U
79-00-5	1,1,2-Trichloroethane	5.7		U
79-01-6	Trichloroethene	5.7	4.9	J
75-69-4	Trichlorofluoromethane	5.7		U
96-18-4	1,2,3-Trichloropropane	5.7		U
95-63-6	1,2,4-Trimethylbenzene	5.7	930	E
75-01-4	Vinyl chloride	5.7		U
95-47-6	o-Xylene	5.7	10	
108-38-3/106-42-3	m,p-Xylene	5.7	49	
96-12-8	1,2-Dibromo-3-chloropropane	5.7		U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-22A

Lab Name: ENVIROTEST LABORATORIES Contract: 95141

Lab Code: 10142 Case No.: SAS No.: SDG No.: AG557

Matrix: (soil/water) SOIL Lab Sample ID: 179557-04

Sample wt/vol: 5.00 (g/ml) G Lab File ID: W6738

Level: (low/med) LOW Date Received: 12/03/97

% Moisture: not dec. 13 Date Analyzed: 12/05/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	67-64-1	Acetone	7.39	7.	
2.		Unknown CnH2n+2	24.75	1700.	J
3.		Unknown CnH2n+2	25.46	1900.	J
4.		Methylpropyl cyclohexane iso	26.16	1900.	J
5.		C11H24 isomer	26.85	1800.	J
6.		Methylpropyl benzene isomer	27.11	2000.	J
7.		Unknown CnH2n+2	27.63	2700.	J
8.		Methylmethylethyl benzene is	28.00	2100.	J
9.		Ethyldimethyl benzene isomer	28.16	1600.	J
10.		Unknown	28.83	2500.	J
11.		Ethyldimethyl benzene isomer	29.26	1400.	J
12.		C10H12 isomer	30.28	1600.	J
13.	119-64-2	Naphthalene, 1,2,3,4-tetrahy	30.68	1800.	J
14.					
15.					
16.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

Client ID: RE-22ADL
EnviroTest Lab No.: 179557-04DL
Client Name: Alpha Geoscience
Project Name: 95141
% Solid: 87
Matrix: Soil
Sample Wt/Vol.: 4g
Level: Med
Soil Extract Volume: 10000ul

Date Collected: 12/3/97
Date Received: 12/3/97
Date Extracted:
Date Analyzed: 12/4/97
Report Date: 12/5/97
Column: DB-624
Lab File ID: V0869.D
Dilution Factor: 1
Soil Aliquot Volume: 100ul

CAS No.	Compound	Detection Limit ug/kg	Conc ug/kg
75-71-8	Dichlorodifluoromethane	140.0	U
74-87-3	Chloromethane	140.0	U
74-83-9	Bromomethane	140.0	U
75-01-4	Vinyl Chloride	140.0	U
75-00-3	Chloroethane	140.0	U
75-69-4	Trichlorofluoromethane	140.0	U
75-09-2	Methylene Chloride	140.0	U
75-35-4	1,1-Dichloroethene	140.0	U
75-35-3	1,1-Dichloroethane	140.0	U
590-20-7	2,2-Dichloropropane	140.0	U
156-60-5	trans-1,2-Dichloroethene	140.0	U
156-59-4	cis-1,2-Dichloroethene	140.0	U
67-66-3	Chloroform	140.0	U
563-58-6	1,1-Dichloropropene	140.0	U
107-06-2	1,2-Dichloroethane	140.0	U
74-97-5	Bromochloromethane	140.0	U
71-55-6	1,1,1-Trichloroethane	140.0	U
56-23-5	Carbon Tetrachloride	140.0	U
74-95-3	Dibromomethane	140.0	U
75-27-4	Bromodichloromethane	140.0	U
78-87-5	1,2-Dichloropropane	140.0	U
10061-01-5	cis-1,3-Dichloropropene	140.0	U
79-01-6	Trichloroethene	140.0	U
71-43-2	Benzene	140.0	U
142-28-9	1,3-Dichloropropane	140.0	U
124-48-1	Dibromochloromethane	140.0	U
10061-02-6	trans-1,3-Dichloropropene	140.0	U
79-00-5	1,1,2-Trichloroethane	140.0	U
106-93-4	1,2-Dibromoethane	140.0	U
75-25-2	Bromoform	140.0	U
127-18-4	Tetrachloroethene	140.0	190.0
630-20-6	1,1,1,2-Tetrachloroethane	140.0	U
108-88-3	Toluene	140.0	U
108-90-7	Chlorobenzene	140.0	U
100-41-4	Ethylbenzene	140.0	U
100-42-5	Styrene	140.0	U
108-38-3/106-42-3	m,p-Xylene	140.0	89.0 J
95-47-6	o-Xylene	140.0	U

FORM I - VOA

VOLATILE ORGANICS ANALYSIS DATA SHEET

Client ID: RE-22ADL
EnviroTest Lab No.: 179557-04DL
Client Name: Alpha Geoscience
Project Name: 95141
% Solid: 87
Matrix: Soil
Sample Wt/Vol.: 4g
Level: Med
Soil Extract Volume: 10000ul

Date Collected: 12/3/97
Date Received: 12/3/97
Date Extracted:
Date Analyzed: 12/4/97
Report Date: 12/5/97
Column: DB-624
Lab File ID: V0869.D
Dilution Factor: 1
Soil Aliquot Volume: 100ul

CAS No.	Compound	Detection Limit ug/kg	Conc ug/kg
96-18-4	1,2,3-Trichloropropane	140.0	U
98-82-8	Isopropylbenzene	140.0	130.0 J
108-86-1	Bromobenzene	140.0	U
103-65-1	n-propylbenzene	140.0	230.0
79-34-5	1,1,2,2-Tetrachloroethane	140.0	U
95-49-8	2-Chlorotoluene	140.0	U
106-43-4	4-Chlorotoluene	140.0	U
108-67-8	1,3,5-Trimethylbenzene	140.0	350.0
98-06-6	tert-Butylbenzene	140.0	U
95-63-6	1,2,4-Trimethylbenzene	140.0	990.0
135-98-8	sec-Butylbenzene	140.0	380.0
541-73-1	1,3-Dichlorobenzene	140.0	U
99-87-6	4-Isopropyltoluene	140.0	220.0
106-46-7	1,4-Dichlorobenzene	140.0	U
95-50-1	1,2-Dichlorobenzene	140.0	U
104-51-8	n-Butylbenzene	140.0	580.0
96-12-8	1,2-Dibromo-3-chloropropane	140.0	U
87-68-3	Hexachlorobutadiene	140.0	U
120-82-1	1,2,4-Trichlorobenzene	140.0	U
91-20-3	Naphthalene	140.0	470.0
87-61-6	1,2,3-Trichlorobenzene	140.0	U

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Volatile Organics Analysis Data Sheet
Form I VOA
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Client ID:	RE-4A	Date Collected:	02-DEC-97
ETL Sample Number:	179557-05	Date Received:	03-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	95141	Date Analyzed:	03-DEC-97
% Solid:	90.4	Report Date:	22-DEC-97
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	5g	Lab File Id:	W6717.D
Level:	LOW	Dilution Factor:	1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.1		U
108-86-1	Bromobenzene	1.1		U
74-97-5	Bromochloromethane	1.1		U
75-27-4	Bromodichloromethane	1.1		U
75-25-2	Bromoform	1.1		U
74-83-9	Bromomethane	1.1		U
104-51-8	n-Butylbenzene	1.1		U
135-98-8	sec-Butylbenzene	1.1		U
98-06-6	tert-Butylbenzene	1.1		U
56-23-5	Carbon tetrachloride	1.1		U
108-90-7	Chlorobenzene	1.1		U
75-00-3	Chloroethane	1.1		U
67-66-3	Chloroform	1.1		U
74-87-3	Chloromethane	1.1		U
95-49-8	2-Chlorotoluene	1.1		U
106-43-4	4-Chlorotoluene	1.1		U
124-48-1	Dibromochloromethane	1.1		U
106-93-4	1,2-Dibromoethane	1.1		U
74-95-3	Dibromomethane	1.1		U
95-50-1	1,2-Dichlorobenzene	1.1		U
541-73-1	1,3-Dichlorobenzene	1.1		U
106-46-7	1,4-Dichlorobenzene	1.1		U
75-71-8	Dichlorodifluoromethane	1.1		U
75-34-3	1,1-Dichloroethane	1.1		U
107-06-2	1,2-Dichloroethane	1.1		U
75-35-4	1,1-Dichloroethene	1.1		U
156-59-4	cis-1,2-Dichloroethene	1.1		U
156-60-5	trans-1,2-Dichloroethene	1.1		U
10061-01-5	cis-1,3-Dichloropropene	1.1		U
10061-02-6	trans-1,3-Dichloropropene	1.1		U
78-87-5	1,2-Dichloropropane	1.1		U
142-28-9	1,3-Dichloropropane	1.1		U
590-20-7	2,2-Dichloropropane	1.1		U
563-58-6	1,1-Dichloropropene	1.1		U
100-41-4	Ethylbenzene	1.1		U
87-68-3	Hexachlorobutadiene	1.1		U
98-82-8	Isopropyl benzene	1.1		U
99-87-6	4-Isopropyltoluene	1.1		U
75-09-2	Methylene chloride	1.1		U
91-20-3	Naphthalene	1.1		U
103-65-1	n-Propylbenzene	1.1		U
100-42-5	Styrene	1.1		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 179557-05

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.1		U
108-67-8	1,3,5-Trimethylbenzene	1.1		U
79-34-5	1,1,2,2-Tetrachloroethane	1.1		U
127-18-4	Tetrachloroethene	1.1	13	
108-88-3	Toluene	1.1		U
87-61-6	1,2,3-Trichlorobenzene	1.1		U
120-82-1	1,2,4-Trichlorobenzene	1.1		U
71-55-6	1,1,1-Trichloroethane	1.1		U
79-00-5	1,1,2-Trichloroethane	1.1		U
79-01-6	Trichloroethene	1.1		U
75-69-4	Trichlorofluoromethane	1.1		U
96-18-4	1,2,3-Trichloropropane	1.1		U
95-63-6	1,2,4-Trimethylbenzene	1.1		U
75-01-4	Vinyl chloride	1.1		U
95-47-6	o-Xylene	1.1		U
108-38-3/106-42-3	m,p-Xylene	1.1		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1		U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-4A

Lab Name:ENVIROTEST LABORATORIES Contract:95141

Lab Code:10142 Case No.: SAS No.: SDG No.:AG557

Matrix: (soil/water) SOIL Lab Sample ID:179557-05

Sample wt/vol: 5.00 (g/ml) G Lab File ID: W6717

Level: (low/med) LOW Date Received:12/03/97

% Moisture: not dec. 10 Date Analyzed:12/03/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	67-64-1	Acetone	7.39	2.	
2.	71-23-8	1-Propanol	10.57	20.	J
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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID:	RE-25A	Date Collected:	04-DEC-97
ETL Sample Number:	179654-01	Date Received:	05-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	95141	Date Analyzed:	05-DEC-97
% Solid:	88.6	Report Date:	22-DEC-97
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	5g	Lab File Id:	W6740.D
Level:	LOW	Dilution Factor:	1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.1		U
108-86-1	Bromobenzene	1.1		U
74-97-5	Bromochloromethane	1.1		U
75-27-4	Bromodichloromethane	1.1		U
75-25-2	Bromoform	1.1		U
74-83-9	Bromomethane	1.1		U
104-51-8	n-Butylbenzene	1.1		U
135-98-8	sec-Butylbenzene	1.1		U
98-06-6	tert-Butylbenzene	1.1		U
56-23-5	Carbon tetrachloride	1.1		U
108-90-7	Chlorobenzene	1.1		U
75-00-3	Chloroethane	1.1		U
67-66-3	Chloroform	1.1		U
74-87-3	Chloromethane	1.1		U
95-49-8	2-Chlorotoluene	1.1		U
106-43-4	4-Chlorotoluene	1.1		U
124-48-1	Dibromochloromethane	1.1		U
106-93-4	1,2-Dibromoethane	1.1		U
74-95-3	Dibromomethane	1.1		U
95-50-1	1,2-Dichlorobenzene	1.1		U
541-73-1	1,3-Dichlorobenzene	1.1		U
106-46-7	1,4-Dichlorobenzene	1.1		U
75-71-8	Dichlorodifluoromethane	1.1		U
75-34-3	1,1-Dichloroethane	1.1		U
107-06-2	1,2-Dichloroethane	1.1		U
75-35-4	1,1-Dichloroethene	1.1		U
156-59-4	cis-1,2-Dichloroethene	1.1		U
156-60-5	trans-1,2-Dichloroethene	1.1		U
10061-01-5	cis-1,3-Dichloropropene	1.1		U
10061-02-6	trans-1,3-Dichloropropene	1.1		U
78-87-5	1,2-Dichloropropane	1.1		U
142-28-9	1,3-Dichloropropane	1.1		U
590-20-7	2,2-Dichloropropane	1.1		U
563-58-6	1,1-Dichloropropene	1.1		U
100-41-4	Ethylbenzene	1.1		U
87-68-3	Hexachlorobutadiene	1.1		U
98-82-8	Isopropyl benzene	1.1		U
99-87-6	4-Isopropyltoluene	1.1		U
75-09-2	Methylene chloride	1.1		U
91-20-3	Naphthalene	1.1		U
103-65-1	n-Propylbenzene	1.1		U
100-42-5	Styrene	1.1		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 179654-01

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.1		U
108-67-8	1,3,5-Trimethylbenzene	1.1		U
79-34-5	1,1,2,2-Tetrachloroethane	1.1		U
127-18-4	Tetrachloroethene	1.1	2.3	
108-88-3	Toluene	1.1		U
87-61-6	1,2,3-Trichlorobenzene	1.1		U
120-82-1	1,2,4-Trichlorobenzene	1.1		U
71-55-6	1,1,1-Trichloroethane	1.1		U
79-00-5	1,1,2-Trichloroethane	1.1		U
79-01-6	Trichloroethene	1.1		U
75-69-4	Trichlorofluoromethane	1.1		U
96-18-4	1,2,3-Trichloropropane	1.1		U
95-63-6	1,2,4-Trimethylbenzene	1.1		U
75-01-4	Vinyl chloride	1.1		U
95-47-6	o-Xylene	1.1		U
108-38-3/106-42-3	m,p-Xylene	1.1		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1		U

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1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RE-25A

Lab Name:ENVIROTEST LABORATORIES Contract:95141

Lab Code:10142 Case No.: SAS No.: SDG No.:AG557

Matrix: (soil/water) SOIL Lab Sample ID:179654-01

Sample wt/vol: 5.00 (g/ml) G Lab File ID: W6740

Level: (low/med) LOW Date Received:12/05/97

% Moisture: not dec. 13 Date Analyzed:12/05/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	67-64-1	Acetone	7.39	3.	
2.	71-23-8	1-Propanol	10.60	58.	J
3.					
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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID:	RE-30A	Date Collected:	05-DEC-97
ETL Sample Number:	179654-02	Date Received:	05-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	95141	Date Analyzed:	05-DEC-97
% Solid:	82.0	Report Date:	22-DEC-97
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	5g	Lab File Id:	W6741.D
Level:	LOW	Dilution Factor:	1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.2		U
108-86-1	Bromobenzene	1.2		U
74-97-5	Bromochloromethane	1.2		U
75-27-4	Bromodichloromethane	1.2		U
75-25-2	Bromoform	1.2		U
74-83-9	Bromomethane	1.2		U
104-51-8	n-Butylbenzene	1.2		U
135-98-8	sec-Butylbenzene	1.2		U
98-06-6	tert-Butylbenzene	1.2		U
56-23-5	Carbon tetrachloride	1.2		U
108-90-7	Chlorobenzene	1.2		U
75-00-3	Chloroethane	1.2		U
67-66-3	Chloroform	1.2		U
74-87-3	Chloromethane	1.2		U
95-49-8	2-Chlorotoluene	1.2		U
106-43-4	4-Chlorotoluene	1.2		U
124-48-1	Dibromochloromethane	1.2		U
106-93-4	1,2-Dibromoethane	1.2		U
74-95-3	Dibromomethane	1.2		U
95-50-1	1,2-Dichlorobenzene	1.2		U
541-73-1	1,3-Dichlorobenzene	1.2		U
106-46-7	1,4-Dichlorobenzene	1.2		U
75-71-8	Dichlorodifluoromethane	1.2		U
75-34-3	1,1-Dichloroethane	1.2		U
107-06-2	1,2-Dichloroethane	1.2		U
75-35-4	1,1-Dichloroethene	1.2		U
156-59-4	cis-1,2-Dichloroethene	1.2		U
156-60-5	trans-1,2-Dichloroethene	1.2		U
10061-01-5	cis-1,3-Dichloropropene	1.2		U
10061-02-6	trans-1,3-Dichloropropene	1.2		U
78-87-5	1,2-Dichloropropane	1.2		U
142-28-9	1,3-Dichloropropane	1.2		U
590-20-7	2,2-Dichloropropane	1.2		U
563-58-6	1,1-Dichloropropene	1.2		U
100-41-4	Ethylbenzene	1.2		U
87-68-3	Hexachlorobutadiene	1.2		U
98-82-8	Isopropyl benzene	1.2		U
99-87-6	4-Isopropyltoluene	1.2		U
75-09-2	Methylene chloride	1.2		U
91-20-3	Naphthalene	1.2		U
103-65-1	n-Propylbenzene	1.2		U
100-42-5	Styrene	1.2		U

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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 179654-02

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.2		U
108-67-8	1,3,5-Trimethylbenzene	1.2		U
79-34-5	1,1,2,2-Tetrachloroethane	1.2		U
127-18-4	Tetrachloroethene	1.2		U
108-88-3	Toluene	1.2		U
87-61-6	1,2,3-Trichlorobenzene	1.2		U
120-82-1	1,2,4-Trichlorobenzene	1.2		U
71-55-6	1,1,1-Trichloroethane	1.2		U
79-00-5	1,1,2-Trichloroethane	1.2		U
79-01-6	Trichloroethene	1.2		U
75-69-4	Trichlorofluoromethane	1.2		U
96-18-4	1,2,3-Trichloropropane	1.2		U
95-63-6	1,2,4-Trimethylbenzene	1.2		U
75-01-4	Vinyl chloride	1.2		U
95-47-6	o-Xylene	1.2		U
108-38-3/106-42-3	m,p-Xylene	1.2		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2		U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-30A

Lab Name:ENVIROTEST LABORATORIES Contract:95141

Lab Code:10142 Case No.: SAS No.: SDG No.:AG557

Matrix: (soil/water) SOIL Lab Sample ID:179654-02

Sample wt/vol: 5.00 (g/ml) G Lab File ID: W6741

Level: (low/med) LOW Date Received:12/05/97

% Moisture: not dec. 18 Date Analyzed:12/05/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	67-64-1	Acetone	7.40	2.	
2.	71-23-8	1-Propanol	10.57	20.	J
3.		C12H16 isomer	34.51	8.	J
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Semi-Volatile Organics Analysis Data Sheet
Form I SV
TCLP-8270-S

Client ID:	RE-22A	Date Collected:	03-DEC-97
ETL Sample Number:	179557-04	Date Received:	03-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	05-DEC-97
Project Name:	95141	Date Analyzed:	05-DEC-97
% Solid:	87.0	Report Date:	29-DEC-97
Matrix:	3 Soil/Sldg	Column:	DB-5
Sample Wt/Vol:	1000ml	Lab File Id:	E11253.D
Level:	LOW	Dilution Factor:	1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
91-20-3	Naphthalene	10	6	J
83-32-9	Acenaphthene	10	3	~~J~~
86-73-7	Fluorene	10	4	J
85-01-8	Phenanthrene	10	5	J
120-12-7	Anthracene	10		U
206-44-0	Fluoranthene	10		U
56-55-3	Benzo(a)anthracene	10		U
218-01-9	Chrysene	10		U
205-99-2	Benzo(b)fluoranthene	10		U
207-08-9	Benzo(k)fluoranthene	10		U
50-32-8	Benzo(a)pyrene	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	10		U
53-70-3	Dibenz(a,h)anthracene	10		U
191-24-2	Benzo(g,h,i)perylene	10		U
129-00-0	Pyrene	10		U

Semi-Volatile Organics Analysis Data Sheet
Form I SV
8270-BN

Client ID:	RE-30A	Date Collected:	05-DEC-97
ETL Sample Number:	179654-02	Date Received:	05-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	08-DEC-97
Project Name:	95141	Date Analyzed:	08-DEC-97
% Solid:	82.0	Report Date:	29-DEC-97
Matrix:	3 Soil/Sldg	Column:	DB-5
Sample Wt/Vol:	30g	Lab File Id:	S6947.D
Level:	LOW	Dilution Factor:	1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
111-44-4	bis(2-Chloroethyl)ether	410		U
541-73-1	1,3-Dichlorobenzene	410		U
106-46-7	1,4-Dichlorobenzene	410		U
100-51-6	Benzyl Alcohol	410		U
95-50-1	1,2-Dichlorobenzene	410		U
108-60-1	bis(2-Chloroisopropyl)ether	410		U
621-64-7	N-Nitroso-di-n-propylamine	410		U
67-72-1	Hexachloroethane	410		U
98-95-30	Nitrobenzene	410		U
78-59-1	Isophorone	410		U
111-91-1	bis(2-Chloroethoxy)methane	410		U
120-82-1	1,2,4-Trichlorobenzene	410		U
91-20-3	Naphthalene	410		U
106-47-8	4-Chloroaniline	410		U
87-68-3	Hexachlorobutadiene	410		U
91-57-6	2-Methylnaphthalene	410		U
77-47-4	Hexachlorocyclopentadiene	410		U
91-58-7	2-Chloronaphthalene	410		U
88-74-4	2-Nitroaniline	1000		U
131-11-3	Dimethylphthalate	410		U
208-96-8	Acenaphthylene	410		U
606-20-2	2,6-Dinitrotoluene	410		U
99-09-2	3-Nitroaniline	1000		U
83-32-9	Acenaphthene	410		U
132-64-9	Dibenzofuran	410		U
121-14-2	2,4-Dinitrotoluene	410		U
84-66-2	Diethylphthalate	410		U
7005-72-3	4-Chlorophenyl phenylether	410		U
86-73-7	Fluorene	410		U
100-01-6	4-Nitroaniline	1000		U
86-30-6	N-Nitrosodiphenylamine	410		U
101-55-3	4-Bromophenyl phenylether	410		U
118-74-1	Hexachlorobenzene	410		U
85-01-8	Phenanthrene	410		U
120-12-7	Anthracene	410		U
84-74-2	Di-n-butylphthalate	410		U
206-44-0	Fluoranthene	410		U
129-00-0	Pyrene	410		U
85-68-7	Butylbenzylphthalate	410		U
91-94-1	3,3'-Dichlorobenzidine	810		U
56-55-3	Benzo(a)anthracene	410		U
218-01-9	Chrysene	410		U

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Semi-Volatile Organics Analysis Data Sheet
Form I SV
8270-BN

Results are continued from the previous page for 179654-02

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
117-81-7	bis(2-Ethylhexyl)phthala	410	50	J
117-84-0	Di-n-octylphthalate	410		U
205-99-2	Benzo(b)fluoranthene	410		U
207-08-9	Benzo(k)fluoranthene	410		U
50-32-8	Benzo(a)pyrene	410		U
193-39-5	Indeno(1,2,3-cd)pyrene	410		U
53-70-3	Dibenz(a,h)anthracene	410		U
191-24-2	Benzo(g,h,i)perylene	410		U
62-75-9	N-Nitrosodimethylamine	410		U

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1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-30A

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG654

Matrix: (soil/water) SOIL Lab Sample ID:179654-02

Sample wt/vol: 30.0 (g/ml) G Lab File ID: S6947

Level: (low/med) LOW Date Received:12/05/97

% Moisture: 18 decanted: (Y/N) N Date Extracted:12/08/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/08/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.3

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	5.80	350.	J
2.		C10H18 isomer	6.23	89.	J
3.		Unknown CnH2n+2	8.38	100.	J
4.		Unknown CnH2n+2	9.69	100.	J
5.		Unknown CnH2n+2	10.90	84.	J
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Sample Data Summary Package

Alpha Geoscience

Project: 95141

ETL Lab. #'s: 179725, 179778 & 179897

Matrix: Soil

1 of 1

EnviroTest
Laboratories Inc.

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CASE NARRATIVE
Client: Alpha Geoscience
Date: 1/13/98
ETL Lab No. 179725, 179778 & 179897

Volatiles

Matrix Spike/Matrix Spike Duplicate

The medium level matrix spike/matrix spike duplicate was not performed on a sample from laboratory numbers 178725, 179788 and 179987. The MS/MSD submitted is from another laboratory number that was analyzed at the same time as laboratory numbers 178725, 179778 and 179897.

Sample Dilution

Due to suspected high concentrations of method analytes, the following samples were initially diluted at the indicated amount:

RE-41A (178725-02): 5x
RE-43A (178725-03): 5x
RE-49A (179778-02): 5x

The following sample was methanol diluted at the indicated due to parameters over the calibration range of the instrument in the initial analysis:

RE-41ADL (178725-02DL): 125x

Semi-Volatiles

Matrix Spike/Matrix Spike Duplicate

The matrix spike/matrix spike duplicate associated with laboratory number 179725 was not performed on a sample from laboratory number 179725. The matrix spike/matrix spike duplicate submitted was analyzed at the same time as laboratory number 179725.

The water matrix spike/matrix spike duplicate associated with laboratory number 179897 was not performed on a sample from laboratory number 179897. The matrix spike/matrix spike duplicate submitted was performed on laboratory tap.

The percent recovery for pyrene in sample number ZZZZZMS (179800-05MS) falls outside the established control limits. It is important to note however, that the associated blank spike contains acceptable recovery.

The %RPD for 1,2,4-trichlorobenzene, acenaphthene, and pyrene in sample number ZZZZZMS/MSD (179800-05MS/MSD) falls outside the established control limits.

The percent recovery for acenaphthene in sample number ZZZZZMS/MSD falls outside the acceptable limits.

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CASE NARRATIVE
Client: Alpha Geoscience
Date: 1/13/98
ETL Lab No. 179725, 179778 & 179897

The %RPD for acenaphthene in sample number ZZZZZMS/MSD falls outside the acceptable limits.

Sample Dilution

As a result of the initial analysis, the following sample was diluted at the indicated amount:

RE-41A (179725-02): 10x

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Volatile Organics Analysis Data Sheet
Form I VOA
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Client ID:	RE-33A	Date Collected:	08-DEC-97
ETL Sample Number:	179725-01	Date Received:	08-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	STANDARD	Date Analyzed:	08-DEC-97
% Solid:	90.4	Report Date:	09-JAN-98
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	5g	Lab File Id:	V0901.D
Level:	LOW	Dilution Factor:	1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.1		U
108-86-1	Bromobenzene	1.1		U
74-97-5	Bromochloromethane	1.1		U
75-27-4	Bromodichloromethane	1.1		U
75-25-2	Bromoform	1.1		U
74-83-9	Bromomethane	1.1		U
104-51-8	n-Butylbenzene	1.1		U
135-98-8	sec-Butylbenzene	1.1		U
98-06-6	tert-Butylbenzene	1.1		U
56-23-5	Carbon tetrachloride	1.1		U
108-90-7	Chlorobenzene	1.1		U
75-00-3	Chloroethane	1.1		U
67-66-3	Chloroform	1.1		U
74-87-3	Chloromethane	1.1		U
95-49-8	2-Chlorotoluene	1.1		U
106-43-4	4-Chlorotoluene	1.1		U
124-48-1	Dibromochloromethane	1.1		U
106-93-4	1,2-Dibromoethane	1.1		U
74-95-3	Dibromomethane	1.1		U
95-50-1	1,2-Dichlorobenzene	1.1		U
541-73-1	1,3-Dichlorobenzene	1.1		U
106-46-7	1,4-Dichlorobenzene	1.1		U
75-71-8	Dichlorodifluoromethane	1.1		U
75-34-3	1,1-Dichloroethane	1.1		U
107-06-2	1,2-Dichloroethane	1.1		U
75-35-4	1,1-Dichloroethene	1.1		U
156-59-4	cis-1,2-Dichloroethene	1.1		U
156-60-5	trans-1,2-Dichloroethene	1.1		U
10061-01-5	cis-1,3-Dichloropropene	1.1		U
10061-02-6	trans-1,3-Dichloropropen	1.1		U
78-87-5	1,2-Dichloropropane	1.1		U
142-28-9	1,3-Dichloropropane	1.1		U
590-20-7	2,2-Dichloropropane	1.1		U
563-58-6	1,1-Dichloropropene	1.1		U
100-41-4	Ethylbenzene	1.1		U
87-68-3	Hexachlorobutadiene	1.1		U
98-82-8	Isopropyl benzene	1.1		U
99-87-6	4-Isopropyltoluene	1.1		U
75-09-2	Methylene chloride	1.1		U
91-20-3	Naphthalene	1.1		U
103-65-1	n-Propylbenzene	1.1		U
100-42-5	Styrene	1.1		U

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Volatile Organics Analysis Data Sheet
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Results are continued from the previous page for 179725-01

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethan	1.1		U
108-67-8	1,3,5-Trimethylbenzene	1.1		U
79-34-5	1,1,2,2-Tetrachloroethan	1.1		U
127-18-4	Tetrachloroethene	1.1	2.8	
108-88-3	Toluene	1.1		U
87-61-6	1,2,3-Trichlorobenzene	1.1		U
120-82-1	1,2,4-Trichlorobenzene	1.1		U
71-55-6	1,1,1-Trichloroethane	1.1		U
79-00-5	1,1,2-Trichloroethane	1.1		U
79-01-6	Trichloroethene	1.1		U
75-69-4	Trichlorofluoromethane	1.1		U
96-18-4	1,2,3-Trichloropropane	1.1		U
95-63-6	1,2,4-Trimethylbenzene	1.1		U
75-01-4	Vinyl chloride	1.1		U
95-47-6	o-Xylene	1.1		U
108-38-3/106-42-3	m,p-Xylene	1.1		U
96-12-8	1,2-Dibromo-3-chloroprop	1.1		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-33A

Lab Name:ENVIROTEST LABORATORIES Contract:95141

Lab Code:10142 Case No.: SAS No.: SDG No.:AG725

Matrix: (soil/water) SOIL Lab Sample ID:179725-01

Sample wt/vol: 5.00 (g/ml) G Lab File ID: V0901

Level: (low/med) LOW Date Received:12/08/97

% Moisture: not dec. 10 Date Analyzed:12/08/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	71-23-8	1-Propanol	8.47	12.	J
2.					
3.					
4.					
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Volatile Organics Analysis Data Sheet
Form I VOA
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Client ID:	RE-41A	Date Collected:	08-DEC-97
ETL Sample Number:	179725-02	Date Received:	08-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	STANDARD	Date Analyzed:	08-DEC-97
% Solid:	89.6	Report Date:	12-JAN-98
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	1g	Lab File Id:	V0902.D
Level:	LOW	Dilution Factor:	5.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	5.6		U
108-86-1	Bromobenzene	5.6		U
74-97-5	Bromochloromethane	5.6		U
75-27-4	Bromodichloromethane	5.6		U
75-25-2	Bromoform	5.6		U
74-83-9	Bromomethane	5.6		U
104-51-8	n-Butylbenzene	5.6	450	
135-98-8	sec-Butylbenzene	5.6		U
98-06-6	tert-Butylbenzene	5.6		U
56-23-5	Carbon tetrachloride	5.6		U
108-90-7	Chlorobenzene	5.6		U
75-00-3	Chloroethane	5.6		U
67-66-3	Chloroform	5.6		U
74-87-3	Chloromethane	5.6		U
95-49-8	2-Chlorotoluene	5.6		U
106-43-4	4-Chlorotoluene	5.6		U
124-48-1	Dibromochloromethane	5.6		U
106-93-4	1,2-Dibromoethane	5.6		U
74-95-3	Dibromomethane	5.6		U
95-50-1	1,2-Dichlorobenzene	5.6		U
541-73-1	1,3-Dichlorobenzene	5.6		U
106-46-7	1,4-Dichlorobenzene	5.6		U
75-71-8	Dichlorodifluoromethane	5.6		U
75-34-3	1,1-Dichloroethane	5.6		U
107-06-2	1,2-Dichloroethane	5.6		U
75-35-4	1,1-Dichloroethene	5.6		U
156-59-4	cis-1,2-Dichloroethene	5.6		U
156-60-5	trans-1,2-Dichloroethene	5.6		U
10061-01-5	cis-1,3-Dichloropropene	5.6		U
10061-02-6	trans-1,3-Dichloropropen	5.6		U
78-87-5	1,2-Dichloropropane	5.6		U
142-28-9	1,3-Dichloropropane	5.6		U
590-20-7	2,2-Dichloropropane	5.6		U
563-58-6	1,1-Dichloropropene	5.6		U
100-41-4	Ethylbenzene	5.6	10	
87-68-3	Hexachlorobutadiene	5.6		U
98-82-8	Isopropyl benzene	5.6	20	
99-87-6	4-Isopropyltoluene	5.6	88	
75-09-2	Methylene chloride	5.6		U
91-20-3	Naphthalene	5.6	90	
103-65-1	n-Propylbenzene	5.6	21	
100-42-5	Styrene	5.6		U

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Volatile Organics Analysis Data Sheet
Form I VOA
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Results are continued from the previous page for 179725-02

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethan	5.6		U
108-67-8	1,3,5-Trimethylbenzene	5.6	560	E
79-34-5	1,1,2,2-Tetrachloroethan	5.6		U
127-18-4	Tetrachloroethene	5.6	100	
108-88-3	Toluene	5.6		U
87-61-6	1,2,3-Trichlorobenzene	5.6		U
120-82-1	1,2,4-Trichlorobenzene	5.6		U
71-55-6	1,1,1-Trichloroethane	5.6		U
79-00-5	1,1,2-Trichloroethane	5.6		U
79-01-6	Trichloroethene	5.6		U
75-69-4	Trichlorofluoromethane	5.6		U
96-18-4	1,2,3-Trichloropropane	5.6		U
95-63-6	1,2,4-Trimethylbenzene	5.6	880	E
75-01-4	Vinyl chloride	5.6		U
95-47-6	o-Xylene	5.6		U
108-38-3/106-42-3	m,p-Xylene	5.6	23	
96-12-8	1,2-Dibromo-3-chloroprop	5.6		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-41A

Lab Name:ENVIROTEST LABORATORIES Contract:95141

Lab Code:10142 Case No.: SAS No.: SDG No.:AG725

Matrix: (soil/water) SOIL Lab Sample ID:179725-02

Sample wt/vol: 1.00 (g/ml) G Lab File ID: V0902

Level: (low/med) LOW Date Received:12/08/97

% Moisture: not dec. 10 Date Analyzed:12/08/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	67-64-1	Acetone	5.25	12.	
2.		C10H22 isomer	21.68	5900.	J
3.		C10H20 isomer	21.96	8700.	J
4.		unknown alkane	22.77	8700.	J
5.		unknown alkane	24.04	12000.	J
6.		unknown alkane	24.62	10000.	J
7.		Unknown Hydrocarbon	24.72	7700.	J
8.		C10H14 isomer	25.74	15000.	J
9.		C10H14 isomer	26.04	8400.	J
10.		C10H14 isomer	26.21	6600.	J
11.		C10H22 isomer	26.50	5600.	J
12.		Unknown Hydrocarbon	27.30	6100.	J
13.		C10H12 isomer	28.30	8500.	J
14.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

Client ID: RE-41ADL
EnviroTest Lab No.: 179725-02DL
Client Name: Alpha Geoscience
Project Name: 95141
% Solid: 89.6
Matrix: Soil
Sample Wt/Vol.: 4g
Level: Med
Soil Extract Volume: 10000ul

Date Collected: 12/8/97
Date Received: 12/8/97
Date Extracted:
Date Analyzed: 12/9/97
Report Date: 1/9/98
Column: DB-624
Lab File ID: V0908.D
Dilution Factor: 1
Soil Aliquot Volume: 100ul

CAS No.	Compound	Limit ug/kg	Conc ug/kg
75-71-8	Dichlorodifluoromethane	140.0	U
74-87-3	Chloromethane	140.0	U
74-83-9	Bromomethane	140.0	U
75-01-4	Vinyl Chloride	140.0	U
75-00-3	Chloroethane	140.0	U
75-69-4	Trichlorofluoromethane	140.0	U
75-09-2	Methylene Chloride	140.0	U
75-35-4	1,1-Dichloroethene	140.0	U
75-35-3	1,1-Dichloroethane	140.0	U
590-20-7	2,2-Dichloropropane	140.0	U
156-60-5	trans-1,2-Dichloroethene	140.0	U
156-59-4	cis-1,2-Dichloroethene	140.0	U
67-66-3	Chloroform	140.0	U
563-58-6	1,1-Dichloropropene	140.0	U
107-06-2	1,2-Dichloroethane	140.0	U
74-97-5	Bromochloromethane	140.0	U
71-55-6	1,1,1-Trichloroethane	140.0	U
56-23-5	Carbon Tetrachloride	140.0	U
74-95-3	Dibromomethane	140.0	U
75-27-4	Bromodichloromethane	140.0	U
78-87-5	1,2-Dichloropropane	140.0	U
10061-01-5	cis-1,3-Dichloropropene	140.0	U
79-01-6	Trichloroethene	140.0	U
71-43-2	Benzene	140.0	U
142-28-9	1,3-Dichloropropane	140.0	U
124-48-1	Dibromochloromethane	140.0	U
10061-02-6	trans-1,3-Dichloropropene	140.0	U
79-00-5	1,1,2-Trichloroethane	140.0	U
106-93-4	1,2-Dibromoethane	140.0	U
75-25-2	Bromoform	140.0	U
127-18-4	Tetrachloroethene	140.0	160.0
630-20-6	1,1,1,2-Tetrachloroethane	140.0	U
108-88-3	Toluene	140.0	U
108-90-7	Chlorobenzene	140.0	U
100-41-4	Ethylbenzene	140.0	U
100-42-5	Styrene	140.0	U
108-38-3/106-42-3	m,p-Xylene	140.0	100.0 J
95-47-6	o-Xylene	140.0	U

FORM I - VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET
Page 2

Client ID: RE-41ADL
EnviroTest Lab No.: 179725-02DL
Client Name: Alpha Geoscience
Project Name: 95141
% Solid: 89.6
Matrix: Soil
Sample Wt/Vol.: 4g
Level: Med

Date Collected: 12/8/97
Date Received: 12/8/97
Date Extracted:
Date Analyzed: 12/9/97
Report Date: 1/9/98
Column: DB-624
Lab File ID: V0908.D
Dilution Factor: 1

CAS No.	Compound	Detection Limit ug/kg	Conc ug/kg
96-18-4	1,2,3-Trichloropropane	140.0	U
98-82-8	Isopropylbenzene	140.0	92.0 J
108-86-1	Bromobenzene	140.0	U
103-65-1	n-propylbenzene	140.0	88.0 J
79-34-5	1,1,2,2-Tetrachloroethane	140.0	U
95-49-8	2-Chlorotoluene	140.0	U
106-43-4	4-Chlorotoluene	140.0	U
108-67-8	1,3,5-Trimethylbenzene	140.0	1200.0
98-06-6	tert-Butylbenzene	140.0	U
95-63-6	1,2,4-Trimethylbenzene	140.0	2800.0
135-98-8	sec-Butylbenzene	140.0	U
541-73-1	1,3-Dichlorobenzene	140.0	U
99-87-6	4-Isopropyltoluene	140.0	170.0
106-46-7	1,4-Dichlorobenzene	140.0	U
95-50-1	1,2-Dichlorobenzene	140.0	U
104-51-8	n-Butylbenzene	140.0	1300.0
96-12-8	1,2-Dibromo-3-chloropropane	140.0	U
87-68-3	Hexachlorobutadiene	140.0	U
120-82-1	1,2,4-Trichlorobenzene	140.0	U
91-20-3	Naphthalene	140.0	U
87-61-6	1,2,3-Trichlorobenzene	140.0	U

FORM I - VOA

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Volatile Organics Analysis Data Sheet
Form I VOA
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Client ID:	RE-43A	Date Collected:	08-DEC-97
ETL Sample Number:	179725-03	Date Received:	08-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	STANDARD	Date Analyzed:	08-DEC-97
% Solid:	87.5	Report Date:	09-JAN-98
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	1g	Lab File Id:	V0903.D
Level:	LOW	Dilution Factor:	5.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	5.7		U
108-86-1	Bromobenzene	5.7		U
74-97-5	Bromochloromethane	5.7		U
75-27-4	Bromodichloromethane	5.7		U
75-25-2	Bromoform	5.7		U
74-83-9	Bromomethane	5.7		U
104-51-8	n-Butylbenzene	5.7	120	
135-98-8	sec-Butylbenzene	5.7	70	
98-06-6	tert-Butylbenzene	5.7		U
56-23-5	Carbon tetrachloride	5.7		U
108-90-7	Chlorobenzene	5.7		U
75-00-3	Chloroethane	5.7		U
67-66-3	Chloroform	5.7		U
74-87-3	Chloromethane	5.7		U
95-49-8	2-Chlorotoluene	5.7		U
106-43-4	4-Chlorotoluene	5.7		U
124-48-1	Dibromochloromethane	5.7		U
106-93-4	1,2-Dibromoethane	5.7		U
74-95-3	Dibromomethane	5.7		U
95-50-1	1,2-Dichlorobenzene	5.7		U
541-73-1	1,3-Dichlorobenzene	5.7		U
106-46-7	1,4-Dichlorobenzene	5.7		U
75-71-8	Dichlorodifluoromethane	5.7		U
75-34-3	1,1-Dichloroethane	5.7		U
107-06-2	1,2-Dichloroethane	5.7		U
75-35-4	1,1-Dichloroethene	5.7		U
156-59-4	cis-1,2-Dichloroethene	5.7	7.1	
156-60-5	trans-1,2-Dichloroethene	5.7		U
10061-01-5	cis-1,3-Dichloropropene	5.7		U
10061-02-6	trans-1,3-Dichloropropen	5.7		U
78-87-5	1,2-Dichloropropane	5.7		U
142-28-9	1,3-Dichloropropane	5.7		U
590-20-7	2,2-Dichloropropane	5.7		U
563-58-6	1,1-Dichloropropene	5.7		U
100-41-4	Ethylbenzene	5.7	11	
87-68-3	Hexachlorobutadiene	5.7		U
98-82-8	Isopropyl benzene	5.7	28	
99-87-6	4-Isopropyltoluene	5.7	36	
75-09-2	Methylene chloride	5.7		U
91-20-3	Naphthalene	5.7	94	
103-65-1	n-Propylbenzene	5.7	45	
100-42-5	Styrene	5.7		U

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Volatile Organics Analysis Data Sheet
Form I VOA
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Results are continued from the previous page for 179725-03

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethan	5.7		U
108-67-8	1,3,5-Trimethylbenzene	5.7	76	
79-34-5	1,1,2,2-Tetrachloroethan	5.7		U
127-18-4	Tetrachloroethene	5.7	50	
108-88-3	Toluene	5.7		U
87-61-6	1,2,3-Trichlorobenzene	5.7		U
120-82-1	1,2,4-Trichlorobenzene	5.7		U
71-55-6	1,1,1-Trichloroethane	5.7		U
79-00-5	1,1,2-Trichloroethane	5.7		U
79-01-6	Trichloroethene	5.7	12	
75-69-4	Trichlorofluoromethane	5.7		U
96-18-4	1,2,3-Trichloropropane	5.7		U
95-63-6	1,2,4-Trimethylbenzene	5.7	250	
75-01-4	Vinyl chloride	5.7		U
95-47-6	o-Xylene	5.7		U
108-38-3/106-42-3	m,p-Xylene	5.7	8.7	
96-12-8	1,2-Dibromo-3-chloroprop	5.7		U

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RE-43A

Lab Name:ENVIROTEST LABORATORIES Contract:95141

Lab Code:10142 Case No.: SAS No.: SDG No.:AG725

Matrix: (soil/water) SOIL Lab Sample ID:179725-03

Sample wt/vol: 5.00 (g/ml) G Lab File ID: V0903

Level: (low/med) LOW Date Received:12/08/97

% Moisture: not dec. 12 Date Analyzed:12/08/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		C10H14 isomer	25.68	1200.	J
2.		C10H14 isomer	25.98	1000.	J
3.		Ethyldimethylbenzene isomer	26.18	700.	J
4.		C10H12 isomer	27.90	700.	J
5.		C10H12 isomer	28.29	2200.	J
6.		C13H28 isomer	28.69	2500.	J
7.		Tetrahydronaphthalene isomer	30.07	660.	J
8.		Unknown CnH2n+2	30.17	860.	J
9.		C11H14 isomer	30.30	770.	J
10.		C11H14 isomer	31.27	2000.	J
11.		Tetrahydronaphthalene isomer	32.09	670.	J
12.		C11H10 isomer	32.56	1300.	J
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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID:	RE-47A	Date Collected:	09-DEC-97
ETL Sample Number:	179778-01	Date Received:	09-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	95141	Date Analyzed:	09-DEC-97
% Solid:	85.0	Report Date:	12-JAN-98
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	5g	Lab File Id:	V0920.D
Level:	LOW	Dilution Factor:	1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.2		U
108-86-1	Bromobenzene	1.2		U
74-97-5	Bromochloromethane	1.2		U
75-27-4	Bromodichloromethane	1.2		U
75-25-2	Bromoform	1.2		U
74-83-9	Bromomethane	1.2		U
104-51-8	n-Butylbenzene	1.2	18	
135-98-8	sec-Butylbenzene	1.2	13	
98-06-6	tert-Butylbenzene	1.2		U
56-23-5	Carbon tetrachloride	1.2		U
108-90-7	Chlorobenzene	1.2		U
75-00-3	Chloroethane	1.2		U
67-66-3	Chloroform	1.2		U
74-87-3	Chloromethane	1.2		U
95-49-8	2-Chlorotoluene	1.2		U
106-43-4	4-Chlorotoluene	1.2		U
124-48-1	Dibromochloromethane	1.2		U
106-93-4	1,2-Dibromoethane	1.2		U
74-95-3	Dibromomethane	1.2		U
95-50-1	1,2-Dichlorobenzene	1.2		U
541-73-1	1,3-Dichlorobenzene	1.2		U
106-46-7	1,4-Dichlorobenzene	1.2		U
75-71-8	Dichlorodifluoromethane	1.2		U
75-34-3	1,1-Dichloroethane	1.2		U
107-06-2	1,2-Dichloroethane	1.2		U
75-35-4	1,1-Dichloroethene	1.2		U
156-59-4	cis-1,2-Dichloroethene	1.2	23	
156-60-5	trans-1,2-Dichloroethene	1.2		U
10061-01-5	cis-1,3-Dichloropropene	1.2		U
10061-02-6	trans-1,3-Dichloropropene	1.2		U
78-87-5	1,2-Dichloropropane	1.2		U
142-28-9	1,3-Dichloropropane	1.2		U
590-20-7	2,2-Dichloropropane	1.2		U
563-58-6	1,1-Dichloropropene	1.2		U
100-41-4	Ethylbenzene	1.2	.8	J
87-68-3	Hexachlorobutadiene	1.2		U
98-82-8	Isopropyl benzene	1.2	3.5	
99-87-6	4-Isopropyltoluene	1.2	4.1	
75-09-2	Methylene chloride	1.2		U
91-20-3	Naphthalene	1.2		U
103-65-1	n-Propylbenzene	1.2	5.2	
100-42-5	Styrene	1.2		U

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Volatile Organics Analysis Data Sheet
Form I VOA
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Results are continued from the previous page for 179778-01

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.2		U
108-67-8	1,3,5-Trimethylbenzene	1.2	7.4	
79-34-5	1,1,2,2-Tetrachloroethane	1.2		U
127-18-4	Tetrachloroethene	1.2	49	
108-88-3	Toluene	1.2		U
87-61-6	1,2,3-Trichlorobenzene	1.2		U
120-82-1	1,2,4-Trichlorobenzene	1.2		U
71-55-6	1,1,1-Trichloroethane	1.2		U
79-00-5	1,1,2-Trichloroethane	1.2		U
79-01-6	Trichloroethene	1.2	14	
75-69-4	Trichlorofluoromethane	1.2		U
96-18-4	1,2,3-Trichloropropane	1.2		U
95-63-6	1,2,4-Trimethylbenzene	1.2	18	
75-01-4	Vinyl chloride	1.2	1.2	
95-47-6	o-Xylene	1.2	1.2	
108-38-3/106-42-3	m,p-Xylene	1.2	.8	J
96-12-8	1,2-Dibromo-3-chloropropane	1.2		U

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1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RE-47A

Lab Name:ENVIROTEST LABORATORIES Contract:95141

Lab Code:10142 Case No.: SAS No.: SDG No.:AG725

Matrix: (soil/water) SOIL Lab Sample ID:179778-01

Sample wt/vol: 5.00 (g/ml) G Lab File ID: V0920

Level: (low/med) LOW Date Received:12/09/97

% Moisture: not dec. 15 Date Analyzed:12/11/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 22 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	67-64-1	Acetone	5.28	4.	
2.		Unknown CnH2n+2	25.64	360.	J
3.		Unknown CnH2n+2	28.32	510.	J
4.		Unknown CnH2n+2	28.69	310.	J
5.		C11H14 isomer	29.46	140.	J
6.		Unknown CnH2n	29.74	220.	J
7.		Unknown CnH2n+2	30.17	210.	J
8.		Unknown CnH2n+2	30.82	280.	J
9.		Tetrahydronaphthalene isomer	31.27	340.	J
10.		Unknown	31.75	140.	J
11.		Tetrahydronaphthalene isomer	32.08	180.	J
12.		C12H16 isomer	32.54	230.	J
13.		C12H16 isomer	32.68	170.	J
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Volatile Organics Analysis Data Sheet
Form I VOA
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Client ID:	RE-49A	Date Collected:	09-DEC-97
ETL Sample Number:	179778-02	Date Received:	09-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	95141	Date Analyzed:	09-DEC-97
% Solid:	87.9	Report Date:	12-JAN-98
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	1g	Lab File Id:	V0913.D
Level:	LOW	Dilution Factor:	5.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	5.7		U
108-86-1	Bromobenzene	5.7		U
74-97-5	Bromochloromethane	5.7		U
75-27-4	Bromodichloromethane	5.7		U
75-25-2	Bromoform	5.7		U
74-83-9	Bromomethane	5.7		U
104-51-8	n-Butylbenzene	5.7	41	
135-98-8	sec-Butylbenzene	5.7	31	
98-06-6	tert-Butylbenzene	5.7		U
56-23-5	Carbon tetrachloride	5.7		U
108-90-7	Chlorobenzene	5.7		U
75-00-3	Chloroethane	5.7		U
67-66-3	Chloroform	5.7		U
74-87-3	Chloromethane	5.7		U
95-49-8	2-Chlorotoluene	5.7		U
106-43-4	4-Chlorotoluene	5.7		U
124-48-1	Dibromochloromethane	5.7		U
106-93-4	1,2-Dibromoethane	5.7		U
74-95-3	Dibromomethane	5.7		U
95-50-1	1,2-Dichlorobenzene	5.7		U
541-73-1	1,3-Dichlorobenzene	5.7		U
106-46-7	1,4-Dichlorobenzene	5.7		U
75-71-8	Dichlorodifluoromethane	5.7		U
75-34-3	1,1-Dichloroethane	5.7		U
107-06-2	1,2-Dichloroethane	5.7		U
75-35-4	1,1-Dichloroethene	5.7		U
156-59-4	cis-1,2-Dichloroethene	5.7	8.9	
156-60-5	trans-1,2-Dichloroethene	5.7		U
10061-01-5	cis-1,3-Dichloropropene	5.7		U
10061-02-6	trans-1,3-Dichloropropene	5.7		U
78-87-5	1,2-Dichloropropane	5.7		U
142-28-9	1,3-Dichloropropane	5.7		U
590-20-7	2,2-Dichloropropane	5.7		U
563-58-6	1,1-Dichloropropene	5.7		U
100-41-4	Ethylbenzene	5.7		U
87-68-3	Hexachlorobutadiene	5.7		U
98-82-8	Isopropyl benzene	5.7		U
99-87-6	4-Isopropyltoluene	5.7	6.1	
75-09-2	Methylene chloride	5.7		U
91-20-3	Naphthalene	5.7		U
103-65-1	n-Propylbenzene	5.7	5.6	J
100-42-5	Styrene	5.7		U

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Volatile Organics Analysis Data Sheet
Form I VOA
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Results are continued from the previous page for 179778-02

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	5.7		U
108-67-8	1,3,5-Trimethylbenzene	5.7	4.5	J
79-34-5	1,1,2,2-Tetrachloroethane	5.7		U
127-18-4	Tetrachloroethene	5.7	120	
108-88-3	Toluene	5.7		U
87-61-6	1,2,3-Trichlorobenzene	5.7		U
120-82-1	1,2,4-Trichlorobenzene	5.7		U
71-55-6	1,1,1-Trichloroethane	5.7		U
79-00-5	1,1,2-Trichloroethane	5.7		U
79-01-6	Trichloroethene	5.7	10	
75-69-4	Trichlorofluoromethane	5.7		U
96-18-4	1,2,3-Trichloropropane	5.7		U
95-63-6	1,2,4-Trimethylbenzene	5.7	14	
75-01-4	Vinyl chloride	5.7		U
95-47-6	o-Xylene	5.7		U
108-38-3/106-42-3	m,p-Xylene	5.7		U
96-12-8	1,2-Dibromo-3-chloropropane	5.7		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Client ID: RE-49A
EnviroTest Lab No.: 179778-02
Client Name: Alpha Geoscience
Project Name: 95141
% Solid: 87.9
Matrix: Soil
Sample Wt/Vol.: 1g
Level: Low

Date Collected: 12/9/97
Date Received: 12/9/97
Date Extracted:
Date Analyzed: 12/9/97
Report Date: 1/13/98
Column: DB-624
Lab File ID: V0913.D
Dilution Factor: 5

CAS No.	Compound	RT or Scan Number	Estimated Conc. ug/kg	
	Unknown CnH2n+2	23.45	730.0	J
	Unknown CnH2n+2	25.64	1300.0	J
	Unknown CnH2n	27.03	490.0	J
	Unknown CnH2n+2	28.33	1200.0	J
	Dimethylundecane isomer	28.70	1600.0	J
	Unknown CnH2n+2	29.75	1100.0	J
	Unknown CnH2n+2	30.18	1600.0	J
	C11H14 isomer	31.27	910.0	J
	Tetrahydronaphthalene isomer	32.10	510.0	J
	C12H16 isomer	32.54	950.0	J
	C12H16 isomer	32.71	530.0	J
	C12H16 isomer	33.50	640.0	J

FORM I - VOA

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Volatile Organics Analysis Data Sheet
Form I VOA
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Client ID:	RE-54A	Date Collected:	11-DEC-97
ETL Sample Number:	179897-01	Date Received:	11-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	95141	Date Analyzed:	11-DEC-97
% Solid:	84.1	Report Date:	09-JAN-98
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	5g	Lab File Id:	V0923.D
Level:	LOW	Dilution Factor:	1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.2		U
108-86-1	Bromobenzene	1.2		U
74-97-5	Bromochloromethane	1.2		U
75-27-4	Bromodichloromethane	1.2		U
75-25-2	Bromoform	1.2		U
74-83-9	Bromomethane	1.2		U
104-51-8	n-Butylbenzene	1.2		U
135-98-8	sec-Butylbenzene	1.2		U
98-06-6	tert-Butylbenzene	1.2		U
56-23-5	Carbon tetrachloride	1.2		U
108-90-7	Chlorobenzene	1.2		U
75-00-3	Chloroethane	1.2		U
67-66-3	Chloroform	1.2		U
74-87-3	Chloromethane	1.2		U
95-49-8	2-Chlorotoluene	1.2		U
106-43-4	4-Chlorotoluene	1.2		U
124-48-1	Dibromochloromethane	1.2		U
106-93-4	1,2-Dibromoethane	1.2		U
74-95-3	Dibromomethane	1.2		U
95-50-1	1,2-Dichlorobenzene	1.2		U
541-73-1	1,3-Dichlorobenzene	1.2		U
106-46-7	1,4-Dichlorobenzene	1.2		U
75-71-8	Dichlorodifluoromethane	1.2		U
75-34-3	1,1-Dichloroethane	1.2		U
107-06-2	1,2-Dichloroethane	1.2		U
75-35-4	1,1-Dichloroethene	1.2		U
156-59-4	cis-1,2-Dichloroethene	1.2		U
156-60-5	trans-1,2-Dichloroethene	1.2		U
10061-01-5	cis-1,3-Dichloropropene	1.2		U
10061-02-6	trans-1,3-Dichloropropene	1.2		U
78-87-5	1,2-Dichloropropane	1.2		U
142-28-9	1,3-Dichloropropane	1.2		U
590-20-7	2,2-Dichloropropane	1.2		U
563-58-6	1,1-Dichloropropene	1.2		U
100-41-4	Ethylbenzene	1.2		U
87-68-3	Hexachlorobutadiene	1.2		U
98-82-8	Isopropyl benzene	1.2		U
99-87-6	4-Isopropyltoluene	1.2		U
75-09-2	Methylene chloride	1.2		U
91-20-3	Naphthalene	1.2		U
103-65-1	n-Propylbenzene	1.2		U
100-42-5	Styrene	1.2		U

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Volatile Organics Analysis Data Sheet
Form I VOA
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Results are continued from the previous page for 179897-01

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.2		U
108-67-8	1,3,5-Trimethylbenzene	1.2		U
79-34-5	1,1,2,2-Tetrachloroethane	1.2		U
127-18-4	Tetrachloroethene	1.2	16	
108-88-3	Toluene	1.2		U
87-61-6	1,2,3-Trichlorobenzene	1.2		U
120-82-1	1,2,4-Trichlorobenzene	1.2		U
71-55-6	1,1,1-Trichloroethane	1.2		U
79-00-5	1,1,2-Trichloroethane	1.2		U
79-01-6	Trichloroethene	1.2	1.6	
75-69-4	Trichlorofluoromethane	1.2		U
96-18-4	1,2,3-Trichloropropane	1.2		U
95-63-6	1,2,4-Trimethylbenzene	1.2		U
75-01-4	Vinyl chloride	1.2		U
95-47-6	o-Xylene	1.2		U
108-38-3/106-42-3	m,p-Xylene	1.2		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2		U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-54A

Lab Name:ENVIROTEST LABORATORIES Contract:95141

Lab Code:10142 Case No.: SAS No.: SDG No.:AG725

Matrix: (soil/water) SOIL Lab Sample ID:179897-01

Sample wt/vol: 5.00 (g/ml) G Lab File ID: V0923

Level: (low/med) LOW Date Received:12/11/97

% Moisture: not dec. 16 Date Analyzed:12/11/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 10

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
Form I VOA
8260

Client ID:	RE-55A	Date Collected:	11-DEC-97
ETL Sample Number:	179897-03	Date Received:	11-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	95141	Date Analyzed:	11-DEC-97
% Solid:	92.1	Report Date:	09-JAN-98
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	5g	Lab File Id:	V0924.D
Level:	LOW	Dilution Factor:	1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.1		U
108-86-1	Bromobenzene	1.1		U
74-97-5	Bromochloromethane	1.1		U
75-27-4	Bromodichloromethane	1.1		U
75-25-2	Bromoform	1.1		U
74-83-9	Bromomethane	1.1		U
104-51-8	n-Butylbenzene	1.1		U
135-98-8	sec-Butylbenzene	1.1		U
98-06-6	tert-Butylbenzene	1.1		U
56-23-5	Carbon tetrachloride	1.1		U
108-90-7	Chlorobenzene	1.1		U
75-00-3	Chloroethane	1.1		U
67-66-3	Chloroform	1.1		U
74-87-3	Chloromethane	1.1		U
95-49-8	2-Chlorotoluene	1.1		U
106-43-4	4-Chlorotoluene	1.1		U
124-48-1	Dibromochloromethane	1.1		U
106-93-4	1,2-Dibromoethane	1.1		U
74-95-3	Dibromomethane	1.1		U
95-50-1	1,2-Dichlorobenzene	1.1		U
541-73-1	1,3-Dichlorobenzene	1.1		U
106-46-7	1,4-Dichlorobenzene	1.1		U
75-71-8	Dichlorodifluoromethane	1.1		U
75-34-3	1,1-Dichloroethane	1.1		U
107-06-2	1,2-Dichloroethane	1.1		U
75-35-4	1,1-Dichloroethene	1.1		U
156-59-4	cis-1,2-Dichloroethene	1.1		U
156-60-5	trans-1,2-Dichloroethene	1.1		U
10061-01-5	cis-1,3-Dichloropropene	1.1		U
10061-02-6	trans-1,3-Dichloropropene	1.1		U
78-87-5	1,2-Dichloropropane	1.1		U
142-28-9	1,3-Dichloropropane	1.1		U
590-20-7	2,2-Dichloropropane	1.1		U
563-58-6	1,1-Dichloropropene	1.1		U
100-41-4	Ethylbenzene	1.1		U
87-68-3	Hexachlorobutadiene	1.1		U
98-82-8	Isopropyl benzene	1.1		U
99-87-6	4-Isopropyltoluene	1.1		U
75-09-2	Methylene chloride	1.1		U
91-20-3	Naphthalene	1.1		U
103-65-1	n-Propylbenzene	1.1		U
100-42-5	Styrene	1.1		U

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Volatile Organics Analysis Data Sheet
Form I VOA
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Results are continued from the previous page for 179897-03

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.1		U
108-67-8	1,3,5-Trimethylbenzene	1.1		U
79-34-5	1,1,2,2-Tetrachloroethane	1.1		U
127-18-4	Tetrachloroethene	1.1	1.8	
108-88-3	Toluene	1.1		U
87-61-6	1,2,3-Trichlorobenzene	1.1		U
120-82-1	1,2,4-Trichlorobenzene	1.1		U
71-55-6	1,1,1-Trichloroethane	1.1		U
79-00-5	1,1,2-Trichloroethane	1.1		U
79-01-6	Trichloroethene	1.1	1.1	
75-69-4	Trichlorofluoromethane	1.1		U
96-18-4	1,2,3-Trichloropropane	1.1		U
95-63-6	1,2,4-Trimethylbenzene	1.1		U
75-01-4	Vinyl chloride	1.1		U
95-47-6	o-Xylene	1.1		U
108-38-3/106-42-3	m,p-Xylene	1.1		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1		U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-55A

Lab Name:ENVIROTEST LABORATORIES Contract:95141

Lab Code:10142 Case No.: SAS No.: SDG No.:AG725

Matrix: (soil/water) SOIL Lab Sample ID:179897-03

Sample wt/vol: 5.00 (g/ml) G Lab File ID: V0924

Level: (low/med) LOW Date Received:12/11/97

% Moisture: not dec. 8 Date Analyzed:12/11/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 10 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
Form I VOA
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Client ID:	RE-58A	Date Collected:	11-DEC-97
ETL Sample Number:	179897-05	Date Received:	11-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	95141	Date Analyzed:	11-DEC-97
% Solid:	85.6	Report Date:	09-JAN-98
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	5g	Lab File Id:	V0926.D
Level:	LOW	Dilution Factor:	1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.2		U
108-86-1	Bromobenzene	1.2		U
74-97-5	Bromochloromethane	1.2		U
75-27-4	Bromodichloromethane	1.2		U
75-25-2	Bromoform	1.2		U
74-83-9	Bromomethane	1.2		U
104-51-8	n-Butylbenzene	1.2	3.1	
135-98-8	sec-Butylbenzene	1.2	2.4	
98-06-6	tert-Butylbenzene	1.2		U
56-23-5	Carbon tetrachloride	1.2		U
108-90-7	Chlorobenzene	1.2		U
75-00-3	Chloroethane	1.2		U
67-66-3	Chloroform	1.2		U
74-87-3	Chloromethane	1.2		U
95-49-8	2-Chlorotoluene	1.2		U
106-43-4	4-Chlorotoluene	1.2		U
124-48-1	Dibromochloromethane	1.2		U
106-93-4	1,2-Dibromoethane	1.2		U
74-95-3	Dibromomethane	1.2		U
95-50-1	1,2-Dichlorobenzene	1.2		U
541-73-1	1,3-Dichlorobenzene	1.2		U
106-46-7	1,4-Dichlorobenzene	1.2		U
75-71-8	Dichlorodifluoromethane	1.2		U
75-34-3	1,1-Dichloroethane	1.2		U
107-06-2	1,2-Dichloroethane	1.2		U
75-35-4	1,1-Dichloroethene	1.2		U
156-59-4	cis-1,2-Dichloroethene	1.2	5.8	
156-60-5	trans-1,2-Dichloroethene	1.2		U
10061-01-5	cis-1,3-Dichloropropene	1.2		U
10061-02-6	trans-1,3-Dichloropropen	1.2		U
78-87-5	1,2-Dichloropropane	1.2		U
142-28-9	1,3-Dichloropropane	1.2		U
590-20-7	2,2-Dichloropropane	1.2		U
563-58-6	1,1-Dichloropropene	1.2		U
100-41-4	Ethylbenzene	1.2		U
87-68-3	Hexachlorobutadiene	1.2		U
98-82-8	Isopropyl benzene	1.2		U
99-87-6	4-Isopropyltoluene	1.2	.9	J
75-09-2	Methylene chloride	1.2		U
91-20-3	Naphthalene	1.2	2.2	
103-65-1	n-Propylbenzene	1.2	.7	J
100-42-5	Styrene	1.2		U

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Volatile Organics Analysis Data Sheet
Form I VOA
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Results are continued from the previous page for 179897-05

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethan	1.2		U
108-67-8	1,3,5-Trimethylbenzene	1.2	1.3	
79-34-5	1,1,2,2-Tetrachloroethan	1.2		U
127-18-4	Tetrachloroethene	1.2	8.3	
108-88-3	Toluene	1.2		U
87-61-6	1,2,3-Trichlorobenzene	1.2		U
120-82-1	1,2,4-Trichlorobenzene	1.2		U
71-55-6	1,1,1-Trichloroethane	1.2		U
79-00-5	1,1,2-Trichloroethane	1.2		U
79-01-6	Trichloroethene	1.2	2.6	
75-69-4	Trichlorofluoromethane	1.2		U
96-18-4	1,2,3-Trichloropropane	1.2		U
95-63-6	1,2,4-Trimethylbenzene	1.2	4.2	
75-01-4	Vinyl chloride	1.2	3.2	
95-47-6	o-Xylene	1.2		U
108-38-3/106-42-3	m,p-Xylene	1.2	.8	J
96-12-8	1,2-Dibromo-3-chloroprop	1.2		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-58A

Lab Name:ENVIROTEST LABORATORIES Contract:95141

Lab Code:10142 Case No.: SAS No.: SDG No.:AG725

Matrix: (soil/water) SOIL Lab Sample ID:179897-05

Sample wt/vol: 5.00 (g/ml) G Lab File ID: V0926

Level: (low/med) LOW Date Received:12/11/97

% Moisture: not dec. 14 Date Analyzed:12/11/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown CnH2n+2	25.66	19.	J
2.		C10H12 isomer	28.28	49.	J
3.		Tetrahydronaphthalene isomer	28.67	20.	J
4.		C11H16 isomer	29.23	21.	J
5.		Tetrahydronaphthalene isomer	30.05	20.	J
6.		Tetrahydronaphtahlene isomer	31.26	64.	J
7.		Unknown	31.75	19.	J
8.		Tetrahydornaphthalene isomer	32.08	31.	J
9.		C12H16 isomer	32.54	59.	J
10.		C12H16 isomer	32.70	29.	J
11.		Methylnaphthalene isomer	33.01	20.	J
12.		C12H16 isomer	33.18	23.	J
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Volatile Organics Analysis Data Sheet
Form I VOA
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Client ID:	RE-58A DUP	Date Collected:	11-DEC-97
ETL Sample Number:	179897-07	Date Received:	11-DEC-97
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	95141	Date Analyzed:	11-DEC-97
% Solid:	85.7	Report Date:	12-JAN-98
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	5g	Lab File Id:	V0927.D
Level:	LOW	Dilution Factor:	1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.2		U
108-86-1	Bromobenzene	1.2		U
74-97-5	Bromochloromethane	1.2		U
75-27-4	Bromodichloromethane	1.2		U
75-25-2	Bromoform	1.2		U
74-83-9	Bromomethane	1.2		U
104-51-8	n-Butylbenzene	1.2	6.4	
135-98-8	sec-Butylbenzene	1.2	4.8	
98-06-6	tert-Butylbenzene	1.2		U
56-23-5	Carbon tetrachloride	1.2		U
108-90-7	Chlorobenzene	1.2		U
75-00-3	Chloroethane	1.2		U
67-66-3	Chloroform	1.2		U
74-87-3	Chloromethane	1.2		U
95-49-8	2-Chlorotoluene	1.2		U
106-43-4	4-Chlorotoluene	1.2		U
124-48-1	Dibromochloromethane	1.2		U
106-93-4	1,2-Dibromoethane	1.2		U
74-95-3	Dibromomethane	1.2		U
95-50-1	1,2-Dichlorobenzene	1.2		U
541-73-1	1,3-Dichlorobenzene	1.2		U
106-46-7	1,4-Dichlorobenzene	1.2		U
75-71-8	Dichlorodifluoromethane	1.2		U
75-34-3	1,1-Dichloroethane	1.2		U
107-06-2	1,2-Dichloroethane	1.2		U
75-35-4	1,1-Dichloroethene	1.2		U
156-59-4	cis-1,2-Dichloroethene	1.2	4.5	
156-60-5	trans-1,2-Dichloroethene	1.2		U
10061-01-5	cis-1,3-Dichloropropene	1.2		U
10061-02-6	trans-1,3-Dichloropropene	1.2		U
78-87-5	1,2-Dichloropropane	1.2		U
142-28-9	1,3-Dichloropropane	1.2		U
590-20-7	2,2-Dichloropropane	1.2		U
563-58-6	1,1-Dichloropropene	1.2		U
100-41-4	Ethylbenzene	1.2		U
87-68-3	Hexachlorobutadiene	1.2		U
98-82-8	Isopropyl benzene	1.2	.9	J
99-87-6	4-Isopropyltoluene	1.2	1.1	J
75-09-2	Methylene chloride	1.2		U
91-20-3	Naphthalene	1.2	2.9	
103-65-1	n-Propylbenzene	1.2	1.4	
100-42-5	Styrene	1.2		U

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Volatile Organics Analysis Data Sheet
Form I VOA
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Results are continued from the previous page for 179897-07

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.2		U
108-67-8	1,3,5-Trimethylbenzene	1.2	1.3	
79-34-5	1,1,2,2-Tetrachloroethane	1.2		U
127-18-4	Tetrachloroethene	1.2	8.4	
108-88-3	Toluene	1.2		U
87-61-6	1,2,3-Trichlorobenzene	1.2		U
120-82-1	1,2,4-Trichlorobenzene	1.2		U
71-55-6	1,1,1-Trichloroethane	1.2		U
79-00-5	1,1,2-Trichloroethane	1.2		U
79-01-6	Trichloroethene	1.2	3.1	
75-69-4	Trichlorofluoromethane	1.2		U
96-18-4	1,2,3-Trichloropropane	1.2		U
95-63-6	1,2,4-Trimethylbenzene	1.2	4.7	
75-01-4	Vinyl chloride	1.2	2.2	
95-47-6	o-Xylene	1.2		U
108-38-3/106-42-3	m,p-Xylene	1.2		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2		U

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1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RE-58A DUP

Lab Name:ENVIROTEST LABORATORIES Contract:95141

Lab Code:10142 Case No.: SAS No.: SDG No.:AG725

Matrix: (soil/water) SOIL Lab Sample ID:179897-07

Sample wt/vol: 5.00 (g/ml) G Lab File ID: V0927

Level: (low/med) LOW Date Received:12/11/97

% Moisture: not dec. 14 Date Analyzed:12/11/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 21

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Methylpropylbenzene isomer	25.68	38.	J
2.		C10H12 isomer	28.28	66.	J
3.		C11H16 isomer	29.23	46.	J
4.		Tetrahydronaphthalene isomer	30.05	43.	J
5.		Dihydrodimethylindene isomer	30.80	34.	J
6.		C11H14 isomer	31.26	120.	J
7.		Unknown	31.75	37.	J
8.		Tetrahydornaphthalene isomer	32.08	61.	J
9.		C12H16 isomer	32.54	110.	J
10.		C12H16 isomer	32.69	59.	J
11.		C12H16 isomer	33.19	37.	J
12.		Methylpropylbenzene isomer	25.12	35.	J
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1/12/98 MS

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-41A

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG725

Matrix: (soil/water) SOIL Lab Sample ID:179725-02

Sample wt/vol: 30.0 (g/ml) G Lab File ID: S7001

Level: (low/med) LOW Date Received:12/08/97

% Moisture: 10 decanted: (Y/N) N Date Extracted:12/10/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	n-Nitrosodimethylamine	3700.	U
111-44-4	bis(2-Chloroethyl)ether	3700.	U
541-73-1	1,3-Dichlorobenzene	3700.	U
106-46-7	1,4-Dichlorobenzene	3700.	U
95-50-1	1,2-Dichlorobenzene	3700.	U
100-57-6	Benzyl alcohol	3700.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3700.	U
67-72-1	Hexachloroethane	3700.	U
621-64-7	N-Nitroso-di-n-propylamine	3700.	U
989-53-0	Nitrobenzene	3700.	U
78-59-1	Isophorone	3700.	U
111-91-1	bis(2-Chloroethoxy)methane	3700.	U
120-82-1	1,2,4-Trichlorobenzene	3700.	U
91-20-3	Naphthalene	3700.	U
106-47-8	4-Chloroaniline	3700.	U
87-68-3	Hexachlorobutadiene	3700.	U
91-57-6	2-Methylnaphthalene	4800.	
77-47-4	Hexachlorocyclopentadiene	3700.	U
91-58-7	2-Chloronaphthalene	3700.	U
88-74-4	2-Nitroaniline	9300.	U
208-96-8	Acenaphthylene	3700.	U
131-11-3	Dimethylphthalate	3700.	U
606-20-2	2,6-Dinitrotoluene	3700.	U
83-32-9	Acenaphthene	3700.	U
99-09-2	3-Nitroaniline	9300.	U
132-64-9	Dibenzofuran	3700.	U
121-14-2	2,4-Dinitrotoluene	3700.	U
86-73-7	Fluorene	4400.	
7005-72-3	4-Chlorophenyl-phenylether	3700.	U
84-66-2	Diethylphthalate	3700.	U
100-01-6	4-Nitroaniline	9300.	U
86-30-6	n-Nitrosodiphenylamine (1)	3700.	U
101-55-3	4-Bromophenyl-phenylether	3700.	U

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-41A

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG725

Matrix: (soil/water) SOIL Lab Sample ID:179725-02

Sample wt/vol: 30.0 (g/ml) G Lab File ID: S7001

Level: (low/med) LOW Date Received:12/08/97

% Moisture: 10 decanted: (Y/N) N Date Extracted:12/10/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
118-74-1	Hexachlorobenzene	3700.	U
85-01-8	Phenanthrene	5700.	
120-12-7	Anthracene	1000.	J
84-74-2	Di-n-butylphthalate	3700.	U
206-44-0	Fluoranthene	410.	J
129-00-0	Pyrene	2300.	J
85-68-7	Butylbenzylphthalate	3700.	U
91-94-1	3,3'-Dichlorobenzidine	7400.	U
56-55-3	Benzo(a)anthracene	3700.	U
218-01-9	Chrysene	3700.	U
117-81-7	bis(2-Ethylhexyl)phthalate	3700.	U
117-84-0	Di-n-Octylphthalate	3700.	U
205-99-2	Benzo(b)fluoranthene	3700.	U
207-08-9	Benzo(k)fluoranthene	3700.	U
50-32-8	Benzo(a)pyrene	3700.	U
193-39-5	Indeno(1,2,3-cd)pyrene	3700.	U
53-70-3	Dibenz(a,h)anthracene	3700.	U
191-24-2	Benzo(g,h,i)perylene	3700.	U

(1) - Cannot be separated from Diphenylamine

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1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RE-41A

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG725

Matrix: (soil/water) SOIL Lab Sample ID:179725-02

Sample wt/vol: 30.0 (g/ml) G Lab File ID: S7001

Level: (low/med) LOW Date Received:12/08/97

% Moisture: 10 decanted: (Y/N) N Date Extracted:12/10/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 6.7

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown CnH2n	6.41	3100.	J
2.	2847-72-5	Decane, 4-methyl-	7.26	3600.	J
3.		C10H14 isomer	7.81	3500.	J
4.		Unknown CnH2n+2	7.95	10000.	J
5.		Unknown alkane	8.72	4000.	J
6.		Unknown alkane	9.15	6000.	J
7.		Unknown alkane	9.31	3000.	J
8.		Undecane, -dimethyl-isomer	9.86	4900.	J
9.		Unknown	10.04	3200.	J
10.		Unknown Cyclohexane	10.26	2300.	J
11.		Unknown CnH2n	11.53	2700.	J
12.		C12H16 isomer	12.11	2700.	J
13.		Unknown alkane	12.76	7400.	J
14.		Naphthalene,-trimethyl-isome	13.60	2400.	J
15.		Naphthalene,-trimethyl-isome	13.83	5300.	J
16.		Unknown alkane	14.67	4900.	J
17.		Unknown alkane	15.23	10000.	J
18.		Phenanthrene,-trimethy-isome	19.13	6100.	J
19.		Phenanthrene,-trimethy-isome	19.20	6900.	J
20.		C18H18 isomer	20.27	3200.	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-43A

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG725

Matrix: (soil/water) SOIL Lab Sample ID:179725-03

Sample wt/vol: 30.0 (g/ml) G Lab File ID: S6995

Level: (low/med) LOW Date Received:12/08/97

% Moisture: 13 decanted: (Y/N) N Date Extracted:12/10/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/11/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	n-Nitrosodimethylamine	380.	U
111-44-4	bis(2-Chloroethyl)ether	380.	U
541-73-1	1,3-Dichlorobenzene	380.	U
106-46-7	1,4-Dichlorobenzene	380.	U
95-50-1	1,2-Dichlorobenzene	380.	U
100-57-6	Benzyl alcohol	380.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380.	U
67-72-1	Hexachloroethane	380.	U
621-64-7	N-Nitroso-di-n-propylamine	380.	U
989-53-0	Nitrobenzene	380.	U
78-59-1	Isophorone	380.	U
111-91-1	bis(2-Chloroethoxy)methane	380.	U
120-82-1	1,2,4-Trichlorobenzene	380.	U
91-20-3	Naphthalene	50.	J
106-47-8	4-Chloroaniline	380.	U
87-68-3	Hexachlorobutadiene	380.	U
91-57-6	2-Methylnaphthalene	260.	J
77-47-4	Hexachlorocyclopentadiene	380.	U
91-58-7	2-Chloronaphthalene	380.	U
88-74-4	2-Nitroaniline	960.	U
208-96-8	Acenaphthylene	380.	U
131-11-3	Dimethylphthalate	380.	U
606-20-2	2,6-Dinitrotoluene	380.	U
83-32-9	Acenaphthene	380.	U
99-09-2	3-Nitroaniline	960.	U
132-64-9	Dibenzofuran	380.	U
121-14-2	2,4-Dinitrotoluene	380.	U
86-73-7	Fluorene	85.	J
7005-72-3	4-Chlorophenyl-phenylether	380.	U
84-66-2	Diethylphthalate	380.	U
100-01-6	4-Nitroaniline	960.	U
86-30-6	n-Nitrosodiphenylamine (1)	60.	J
101-55-3	4-Bromophenyl-phenylether	380.	U

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-43A

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG725

Matrix: (soil/water) SOIL Lab Sample ID:179725-03

Sample wt/vol: 30.0 (g/ml) G Lab File ID: S6995

Level: (low/med) LOW Date Received:12/08/97

% Moisture: 13 decanted: (Y/N) N Date Extracted:12/10/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/11/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
118-74-1	Hexachlorobenzene	380.	U
85-01-8	Phenanthrene	200.	J
120-12-7	Anthracene	47.	J
84-74-2	Di-n-butylphthalate	380.	U
206-44-0	Fluoranthene	380.	U
129-00-0	Pyrene	41.	J
85-68-7	Butylbenzylphthalate	380.	U
91-94-1	3,3'-Dichlorobenzidine	770.	U
56-55-3	Benzo(a)anthracene	380.	U
218-01-9	Chrysene	380.	U
117-81-7	bis(2-Ethylhexyl)phthalate	88.	J
117-84-0	Di-n-Octylphthalate	380.	U
205-99-2	Benzo(b)fluoranthene	380.	U
207-08-9	Benzo(k)fluoranthene	380.	U
50-32-8	Benzo(a)pyrene	380.	U
193-39-5	Indeno(1,2,3-cd)pyrene	380.	U
53-70-3	Dibenz(a,h)anthracene	380.	U
191-24-2	Benzo(g,h,i)perylene	380.	U

(1) - Cannot be separated from Diphenylamine

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1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RE-43A

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG725

Matrix: (soil/water) SOIL Lab Sample ID:179725-03

Sample wt/vol: 30.0 (g/ml) G Lab File ID: S6995

Level: (low/med) LOW Date Received:12/08/97

% Moisture: 13 decanted: (Y/N) N Date Extracted:12/10/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/11/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.9

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	5.76	310.	J
2.		C9H12 isomer	6.93	310.	J
3.		C10H12 isomer	9.10	320.	J
4.		Unknown alkane	10.56	370.	J
5.		Naphthalene,-methyl-isomer	11.19	310.	J
6.		C12H16 isomer	11.26	310.	J
7.		C9H18 isomer	11.47	440.	J
8.		C12H16 isomer	12.07	390.	J
9.		C12H12 isomer	12.13	370.	J
10.		Naphthalene,-dimethyl-isomer	12.28	470.	J
11.		Naphthalene,-dimethyl-isomer	12.42	540.	J
12.		Naphthalene,-dimethyl-isomer	12.47	360.	J
13.		Naphthalene,-dimethyl-isomer	12.65	330.	J
14.		Unknown alkane	12.70	580.	J
15.		Naphthalene,-trimethyl-isome	13.34	390.	J
16.		Naphthalene,-trimethyl-isome	13.54	390.	J
17.		Naphthalene,-trimethyl-isome	13.62	350.	J
18.		Naphthalene,-trimethyl-isome	13.77	520.	J
19.		Unknown alkane	14.61	320.	J
20.		Unknown alkane	15.14	570.	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-54B

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG897

Matrix: (soil/water) WATER Lab Sample ID:179897-02

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7012

Level: (low/med) LOW Date Received:12/11/97

% Moisture: decanted: (Y/N) Date Extracted:12/12/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	n-Nitrosodimethylamine	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
100-57-6	Benzyl alcohol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1	Hexachloroethane	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
989-53-0	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
208-96-8	Acenaphthylene	10.	U
131-11-3	Dimethylphthalate	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
83-32-9	Acenaphthene	10.	U
99-09-2	3-Nitroaniline	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
86-73-7	Fluorene	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
84-66-2	Diethylphthalate	10.	U
100-01-6	4-Nitroaniline	25.	U
86-30-6	n-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-54B

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG897

Matrix: (soil/water) WATER Lab Sample ID:179897-02

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7012

Level: (low/med) LOW Date Received:12/11/97

% Moisture: decanted: (Y/N) Date Extracted:12/12/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
118-74-1	Hexachlorobenzene	10.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-Octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

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1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RE-54B

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG897

Matrix: (soil/water) WATER Lab Sample ID:179897-02

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7012

Level: (low/med) LOW Date Received:12/11/97

% Moisture: decanted: (Y/N) Date Extracted:12/12/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	637-78-5	Propanoic acid, 1-methylethy	3.53	19.	J
2.		C7H14O2 isomer	4.05	9.	J
3.	105-54-4	Butanoic acid, ethyl ester	4.11	7.	J
4.	106-36-5	Propanoic acid, propyl ester	4.22	4.	J
5.		C6H12O2 isomer	4.29	8.	J
6.		C7H14O2 isomer	4.67	180.	J
7.		C9H14O isomer	5.75	12.	J
8.		Unknown	5.95	3.	J
9.		Unknown	6.17	4.	J
10.		Unknown	6.20	6.	J
11.		Unknown	6.27	4.	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-55B

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG897

Matrix: (soil/water) WATER Lab Sample ID:179897-04

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7013

Level: (low/med) LOW Date Received:12/11/97

% Moisture: decanted: (Y/N) Date Extracted:12/12/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	n-Nitrosodimethylamine	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
100-57-6	Benzyl alcohol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1	Hexachloroethane	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
989-53-0	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
208-96-8	Acenaphthylene	10.	U
131-11-3	Dimethylphthalate	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
83-32-9	Acenaphthene	10.	U
99-09-2	3-Nitroaniline	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
86-73-7	Fluorene	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
84-66-2	Diethylphthalate	10.	U
100-01-6	4-Nitroaniline	25.	U
86-30-6	n-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-55B

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG897

Matrix: (soil/water) WATER Lab Sample ID:179897-04

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7013

Level: (low/med) LOW Date Received:12/11/97

% Moisture: decanted: (Y/N) Date Extracted:12/12/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
118-74-1	Hexachlorobenzene	10.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-Octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

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1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RE-55B

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG897

Matrix: (soil/water) WATER Lab Sample ID:179897-04

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7013

Level: (low/med) LOW Date Received:12/11/97

% Moisture: decanted: (Y/N) Date Extracted:12/12/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		C6H12O2 isomer	3.53	21.	J
2.		C7H14O2 isomer	4.04	10.	J
3.		C6H12O2 isomer	4.11	10.	J
4.	106-36-5	Propanoic acid, propyl ester	4.23	4.	J
5.	123-86-4	Acetic acid, butyl ester	4.29	6.	J
6.		C7H14O2 isomer	4.68	190.	J
7.		Unknown	5.76	12.	J
8.		Unknown	5.95	3.	J
9.		Unknown	6.17	3.	J
10.		Unknown	6.20	6.	J
11.		Unknown	6.27	4.	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-58B

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG897

Matrix: (soil/water) WATER Lab Sample ID:179897-06

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7014

Level: (low/med) LOW Date Received:12/11/97

% Moisture: decanted: (Y/N) Date Extracted:12/12/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	n-Nitrosodimethylamine	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
100-57-6	Benzyl alcohol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1	Hexachloroethane	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
989-53-0	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
208-96-8	Acenaphthylene	10.	U
131-11-3	Dimethylphthalate	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
83-32-9	Acenaphthene	10.	U
99-09-2	3-Nitroaniline	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
86-73-7	Fluorene	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
84-66-2	Diethylphthalate	10.	U
100-01-6	4-Nitroaniline	25.	U
86-30-6	n-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-58B

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG897

Matrix: (soil/water) WATER Lab Sample ID:179897-06

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7014

Level: (low/med) LOW Date Received:12/11/97

% Moisture: decanted: (Y/N) Date Extracted:12/12/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
118-74-1	Hexachlorobenzene	10.	U
85-01-8	Phenanthrene	1.	J
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-Octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

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1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RE-58B

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG897

Matrix: (soil/water) WATER Lab Sample ID:179897-06

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7014

Level: (low/med) LOW Date Received:12/11/97

% Moisture: decanted: (Y/N) Date Extracted:12/12/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		C6H12O2 isomer	3.53	20.	J
2.		C7H14O2 isomer	4.05	9.	J
3.		C6H12O2 isomer	4.11	9.	J
4.	106-36-5	Propanoic acid, propyl ester	4.22	4.	J
5.		C6H12O2 isomer	4.29	7.	J
6.		C7H14O2 isomer	4.67	180.	J
7.		Unknown	5.75	13.	J
8.		C6H12 isomer	5.94	3.	J
9.		Unknown	6.17	4.	J
10.		Unknown	6.19	6.	J
11.		Unknown	6.28	4.	J
12.		C12H16 isomer	11.24	2.	J
13.		C12H12 isomer	12.26	3.	J
14.		Naphthalene,-dimethyl-isomer	12.40	5.	J
15.		Naphthalene,-dimethyl-isomer	12.46	3.	J
16.		Naphthalene,-trimethyl-isome	13.52	2.	J
17.		C13H12 isomer	14.30	2.	J
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-58BDUP

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG897

Matrix: (soil/water) WATER Lab Sample ID:179897-08

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7015

Level: (low/med) LOW Date Received:12/11/97

% Moisture: decanted: (Y/N) Date Extracted:12/12/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	n-Nitrosodimethylamine	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
100-57-6	Benzyl alcohol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1	Hexachloroethane	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
989-53-0	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
91-57-6	2-Methylnaphthalene	1.	J
77-47-4	Hexachlorocyclopentadiene	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
208-96-8	Acenaphthylene	10.	U
131-11-3	Dimethylphthalate	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
83-32-9	Acenaphthene	10.	U
99-09-2	3-Nitroaniline	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
86-73-7	Fluorene	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
84-66-2	Diethylphthalate	10.	U
100-01-6	4-Nitroaniline	25.	U
86-30-6	n-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-58BDUP

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG897

Matrix: (soil/water) WATER Lab Sample ID:179897-08

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7015

Level: (low/med) LOW Date Received:12/11/97

% Moisture: decanted: (Y/N) Date Extracted:12/12/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
118-74-1	Hexachlorobenzene	10.	U
85-01-8	Phenanthrene	1.	J
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-Octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

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1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RE-58BDUP

Lab Name:ENVIROTEST LABS INC Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG897

Matrix: (soil/water) WATER Lab Sample ID:179897-08

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7015

Level: (low/med) LOW Date Received:12/11/97

% Moisture: decanted: (Y/N) Date Extracted:12/12/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed:12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		C6H12O2 isomer	3.52	17.	J
2.		C7H14O2 isomer	4.04	8.	J
3.		Unknown	4.10	6.	J
4.		Unknown	4.21	4.	J
5.		C6H12O2 isomer	4.28	5.	J
6.		C7H14O2 isomer	4.66	190.	J
7.		C9H14O isomer	5.75	12.	J
8.		C4H6O isomer	5.94	3.	J
9.		Unknown	6.16	4.	J
10.		C10H20 isomer	6.19	3.	J
11.		C11H14 isomer	10.89	2.	J
12.		C12H16 isomer	11.24	3.	J
13.		Naphthalene,-dimethyl-isomer	12.26	3.	J
14.		Naphthalene,-dimethyl-isomer	12.40	5.	J
15.		Naphthalene,-dimethyl-isomer	12.46	3.	J
16.		C13H14 isomer	13.32	2.	J
17.		Naphthalene,-trimethyl-isome	13.52	2.	J
18.		C13H12 isomer	14.30	2.	J
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

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Soil Boring Samples

Sample Data Summary Package

Alpha Geoscience
Project: 95141
STE Lab. #: 180782
Matrix: Soil
1 of 1

315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890

CASE NARRATIVE
Client: Alpha Geoscience
Date: 3/5/98
STE Lab No. 180782

Volatiles

Calibration

The concentration of the surrogate parameters in the 20ug/l initial calibration standard was inadvertently prepared at a concentration of 50ug/l.

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Received at Lab	Date Extracted	Date Analyzed
180782-01	Soil	1/9/98	1/9/98		1/28/98
180782-02	Soil	1/9/98	1/9/98		1/28/98
180782-03	Soil	1/9/98	1/9/98		1/28/98
180782-04	Soil	1/9/98	1/9/98		1/28/98

VOLATILE ORGANICS ANALYSIS DATA SHEET

Client ID:	MW-7 S-4 (6'-8')	Date Collected:	1/9/98
EnviroTest Lab No.:	180782-01	Date Received:	1/9/98
Client Name:	Alpha Geoscience	Date Extracted:	
Project Name:	95141	Date Analyzed:	1/16/98
% Solid:	89.1	Report Date:	3/5/98
Matrix:	Soil	Column:	DB-624
Sample Wt/Vol.:	5 g	Lab File ID:	V1163.D
Level:	Low	Dilution Factor:	1
Soil Extract Volume:	ul	Soil Aliquot Volume:	ul

CAS No.	Compound	Detection Limit ug/kg	Conc ug/kg
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1.1	U
74-83-9	Bromomethane	1.1	U
75-01-4	Vinyl Chloride	1.1	U
75-00-3	Chloroethane	1.1	U
75-69-4	Trichlorofluoromethane	1.1	U
75-09-2	Methylene Chloride	1.1	U
75-35-4	1,1-Dichloroethene	1.1	U
75-35-3	1,1-Dichloroethane	1.1	U
590-20-7	2,2-Dichloropropane	1.1	U
156-60-5	trans-1,2-Dichloroethene	1.1	U
156-59-4	cis-1,2-Dichloroethene	1.1	1.1 J
67-66-3	Chloroform	1.1	U
563-58-6	1,1-Dichloropropene	1.1	U
107-06-2	1,2-Dichloroethane	1.1	U
74-97-5	Bromochloromethane	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
56-23-5	Carbon Tetrachloride	1.1	U
74-95-3	Dibromomethane	1.1	U
75-27-4	Bromodichloromethane	1.1	U
78-87-5	1,2-Dichloropropane	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1.1	U
79-01-6	Trichloroethene	1.1	4.3
71-43-2	Benzene	1.1	U
142-28-9	1,3-Dichloropropane	1.1	U
124-48-1	Dibromochloromethane	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1.1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
106-93-4	1,2-Dibromoethane	1.1	U
75-25-2	Bromoform	1.1	U
127-18-4	Tetrachloroethene	1.1	17.0
630-20-6	1,1,1,2-Tetrachloroethane	1.1	U
108-88-3	Toluene	1.1	U
108-90-7	Chlorobenzene	1.1	U
100-41-4	Ethylbenzene	1.1	U
100-42-5	Styrene	1.1	U
108-38-3/106-42-3	m,p-Xylene	1.1	U
95-47-6	o-Xylene	1.1	U

FORM I - VOA

VOLATILE ORGANICS ANALYSIS DATA SHEET

Client ID: MW-7 S-4 (6'-8')
EnviroTest Lab No.: 180782-01
Client Name: Alpha Geoscience
Project Name: 95141
% Solid: 89.1
Matrix: Soil
Sample Wt/Vol.: 5 g
Level: Low
Soil Extract Volume: 1 ul

Date Collected: 1/9/98
Date Received: 1/9/98
Date Extracted:
Date Analyzed: 1/16/98
Report Date: 3/5/98
Column: DB-624
Lab File ID: V1163.D
Dilution Factor: 1
Soil Aliquot Volume: 1 ul

CAS No.	Compound	Detection Limit ug/kg	Conc ug/kg
96-18-4	1,2,3-Trichloropropane	1.1	U
98-82-8	Isopropylbenzene	1.1	U
108-86-1	Bromobenzene	1.1	U
103-65-1	n-propylbenzene	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
95-49-8	2-Chlorotoluene	1.1	U
106-43-4	4-Chlorotoluene	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1.1	U
98-06-6	tert-Butylbenzene	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1.1	U
135-98-8	sec-Butylbenzene	1.1	U
541-73-1	1,3-Dichlorobenzene	1.1	U
99-87-6	4-Isopropyltoluene	1.1	U
106-46-7	1,4-Dichlorobenzene	1.1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
104-51-8	n-Butylbenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1.1	U
87-68-3	Hexachlorobutadiene	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1.1	U
91-20-3	Naphthalene	1.1	U
87-61-6	1,2,3-Trichlorobenzene	1.1	U

FORM I - VOA

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Client ID: MW-7 S-4 (6'-8')
EnviroTest Lab No.: 180782-01
Client Name: Alpha Geosciences
Project Name: 95141
% Solid: 89.1
Matrix: Soil
Sample Wt/Vol.: 5g
Level: Low

Date Collected: 1/9/98
Date Received: 1/9/98
Date Extracted:
Date Analyzed: 1/16/98
Report Date: 1/30/98
Column: DB-624
Lab File ID: V1163.D
Dilution Factor: 1

CAS No.	Compound	RT or Scan Number	Estimated Conc. ug/kg	
71-23-8	1-Propanol	8.45	52.0	J

FORM I - VOA

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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID:	MW-8 S-5 (8'-10')	Date Collected:	09-JAN-98
ETL Sample Number:	180782-02	Date Received:	09-JAN-98
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	95141	Date Analyzed:	16-JAN-98
% Solid:	85.7	Report Date:	30-JAN-98
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	5g	Lab File Id:	V1167.D
Level:	LOW	Dilution Factor:	1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.2		U
108-86-1	Bromobenzene	1.2		U
74-97-5	Bromochloromethane	1.2		U
75-27-4	Bromodichloromethane	1.2		U
75-25-2	Bromoform	1.2		U
74-83-9	Bromomethane	1.2		U
104-51-8	n-Butylbenzene	1.2		U
135-98-8	sec-Butylbenzene	1.2		U
98-06-6	tert-Butylbenzene	1.2		U
56-23-5	Carbon tetrachloride	1.2		U
108-90-7	Chlorobenzene	1.2		U
75-00-3	Chloroethane	1.2		U
67-66-3	Chloroform	1.2		U
74-87-3	Chloromethane	1.2		U
95-49-8	2-Chlorotoluene	1.2		U
106-43-4	4-Chlorotoluene	1.2		U
124-48-1	Dibromochloromethane	1.2		U
106-93-4	1,2-Dibromoethane	1.2		U
74-95-3	Dibromomethane	1.2		U
95-50-1	1,2-Dichlorobenzene	1.2		U
541-73-1	1,3-Dichlorobenzene	1.2		U
106-46-7	1,4-Dichlorobenzene	1.2		U
75-71-8	Dichlorodifluoromethane	1.2		U
75-34-3	1,1-Dichloroethane	1.2		U
107-06-2	1,2-Dichloroethane	1.2		U
75-35-4	1,1-Dichloroethene	1.2		U
156-59-4	cis-1,2-Dichloroethene	1.2		U
156-60-5	trans-1,2-Dichloroethene	1.2		U
10061-01-5	cis-1,3-Dichloropropene	1.2		U
10061-02-6	trans-1,3-Dichloropropene	1.2		U
78-87-5	1,2-Dichloropropane	1.2		U
142-28-9	1,3-Dichloropropane	1.2		U
590-20-7	2,2-Dichloropropane	1.2		U
563-58-6	1,1-Dichloropropene	1.2		U
100-41-4	Ethylbenzene	1.2		U
87-68-3	Hexachlorobutadiene	1.2		U
98-82-8	Isopropyl benzene	1.2		U
99-87-6	4-Isopropyltoluene	1.2		U
75-09-2	Methylene chloride	1.2		U
91-20-3	Naphthalene	1.2		U
103-65-1	n-Propylbenzene	1.2		U
100-42-5	Styrene	1.2		U

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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 180782-02

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.2		U
108-67-8	1,3,5-Trimethylbenzene	1.2		U
79-34-5	1,1,2,2-Tetrachloroethane	1.2		U
127-18-4	Tetrachloroethene	1.2	5	
108-88-3	Toluene	1.2		U
87-61-6	1,2,3-Trichlorobenzene	1.2		U
120-82-1	1,2,4-Trichlorobenzene	1.2		U
71-55-6	1,1,1-Trichloroethane	1.2		U
79-00-5	1,1,2-Trichloroethane	1.2		U
79-01-6	Trichloroethene	1.2		U
75-69-4	Trichlorofluoromethane	1.2		U
96-18-4	1,2,3-Trichloropropane	1.2		U
95-63-6	1,2,4-Trimethylbenzene	1.2		U
75-01-4	Vinyl chloride	1.2		U
95-47-6	o-Xylene	1.2		U
108-38-3/106-42-3	m,p-Xylene	1.2		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Client ID: MW-8 S-5 (8'-10')
EnviroTest Lab No.: 180782-02
Client Name: Alpha Geosciences
Project Name: 95141
% Solid: 85.7
Matrix: Soil
Sample Wt/Vol.: 5g
Level: Low

Date Collected: 1/9/98
Date Received: 1/9/98
Date Extracted:
Date Analyzed: 1/16/98
Report Date: 1/30/98
Column: DB-624
Lab File ID: V1167.D
Dilution Factor: 1

CAS No.	Compound	RT or Scan Number	Estimated Conc. ug/kg
	NONE FOUND		

FORM I - VOA

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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID:	MW-9 S-4 (8'-10')	Date Collected:	09-JAN-98
ETL Sample Number:	180782-03	Date Received:	09-JAN-98
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	95141	Date Analyzed:	16-JAN-98
% Solid:	87.3	Report Date:	30-JAN-98
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	5g	Lab File Id:	V1165.D
Level:	LOW	Dilution Factor:	1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.1		U
108-86-1	Bromobenzene	1.1		U
74-97-5	Bromochloromethane	1.1		U
75-27-4	Bromodichloromethane	1.1		U
75-25-2	Bromoform	1.1		U
74-83-9	Bromomethane	1.1		U
104-51-8	n-Butylbenzene	1.1		U
135-98-8	sec-Butylbenzene	1.1		U
98-06-6	tert-Butylbenzene	1.1		U
56-23-5	Carbon tetrachloride	1.1		U
108-90-7	Chlorobenzene	1.1		U
75-00-3	Chloroethane	1.1		U
67-66-3	Chloroform	1.1		U
74-87-3	Chloromethane	1.1		U
95-49-8	2-Chlorotoluene	1.1		U
106-43-4	4-Chlorotoluene	1.1		U
124-48-1	Dibromochloromethane	1.1		U
106-93-4	1,2-Dibromoethane	1.1		U
74-95-3	Dibromomethane	1.1		U
95-50-1	1,2-Dichlorobenzene	1.1		U
541-73-1	1,3-Dichlorobenzene	1.1		U
106-46-7	1,4-Dichlorobenzene	1.1		U
75-71-8	Dichlorodifluoromethane	1.1		U
75-34-3	1,1-Dichloroethane	1.1		U
107-06-2	1,2-Dichloroethane	1.1		U
75-35-4	1,1-Dichloroethene	1.1		U
156-59-4	cis-1,2-Dichloroethene	1.1	73	
156-60-5	trans-1,2-Dichloroethene	1.1		U
10061-01-5	cis-1,3-Dichloropropene	1.1		U
10061-02-6	trans-1,3-Dichloropropene	1.1		U
78-87-5	1,2-Dichloropropane	1.1		U
142-28-9	1,3-Dichloropropane	1.1		U
590-20-7	2,2-Dichloropropane	1.1		U
563-58-6	1,1-Dichloropropene	1.1		U
100-41-4	Ethylbenzene	1.1		U
87-68-3	Hexachlorobutadiene	1.1		U
98-82-8	Isopropyl benzene	1.1		U
99-87-6	4-Isopropyltoluene	1.1		U
75-09-2	Methylene chloride	1.1		U
91-20-3	Naphthalene	1.1		U
103-65-1	n-Propylbenzene	1.1		U
100-42-5	Styrene	1.1		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 180782-03

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.1		U
108-67-8	1,3,5-Trimethylbenzene	1.1		U
79-34-5	1,1,2,2-Tetrachloroethane	1.1		U
127-18-4	Tetrachloroethene	1.1	150	
108-88-3	Toluene	1.1		U
87-61-6	1,2,3-Trichlorobenzene	1.1		U
120-82-1	1,2,4-Trichlorobenzene	1.1		U
71-55-6	1,1,1-Trichloroethane	1.1		U
79-00-5	1,1,2-Trichloroethane	1.1		U
79-01-6	Trichloroethene	1.1	25	
75-69-4	Trichlorofluoromethane	1.1		U
96-18-4	1,2,3-Trichloropropane	1.1		U
95-63-6	1,2,4-Trimethylbenzene	1.1		U
75-01-4	Vinyl chloride	1.1		U
95-47-6	o-Xylene	1.1		U
108-38-3/106-42-3	m,p-Xylene	1.1		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Client ID:	MW-9 S-4 (8'-10')	Date Collected:	1/9/98
EnviroTest Lab No.:	180782-03	Date Received:	1/9/98
Client Name:	Alpha Geosciences	Date Extracted:	
Project Name:	95141	Date Analyzed:	1/16/98
% Solid:	85.7	Report Date:	1/30/98
Matrix:	Soil	Column:	DB-624
Sample Wt/Vol.:	5g	Lab File ID:	V1165.D
Level:	Low	Dilution Factor:	1

CAS No.	Compound	RT or Scan Number	Estimated Conc. ug/kg	
71-23-8	1-Propanol	8.45	16.0	J

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Volatile Organics Analysis Data Sheet
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Client ID:	MW-9 S-4 (8'-10')(DUPE)	Date Collected:	09-JAN-98
ETL Sample Number:	180782-04	Date Received:	09-JAN-98
Client Name:	ALPHA GEOSCIENCE	Date Extracted:	
Project Name:	95141	Date Analyzed:	16-JAN-98
% Solid:	87.8	Report Date:	30-JAN-98
Matrix:	3 Soil/Sldg	Column:	DB-624
Sample Wt/Vol:	5g	Lab File Id:	V1166.D
Level:	LOW	Dilution Factor:	1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.1		U
108-86-1	Bromobenzene	1.1		U
74-97-5	Bromochloromethane	1.1		U
75-27-4	Bromodichloromethane	1.1		U
75-25-2	Bromoform	1.1		U
74-83-9	Bromomethane	1.1		U
104-51-8	n-Butylbenzene	1.1		U
135-98-8	sec-Butylbenzene	1.1		U
98-06-6	tert-Butylbenzene	1.1		U
56-23-5	Carbon tetrachloride	1.1		U
108-90-7	Chlorobenzene	1.1		U
75-00-3	Chloroethane	1.1		U
67-66-3	Chloroform	1.1		U
74-87-3	Chloromethane	1.1		U
95-49-8	2-Chlorotoluene	1.1		U
106-43-4	4-Chlorotoluene	1.1		U
124-48-1	Dibromochloromethane	1.1		U
106-93-4	1,2-Dibromoethane	1.1		U
74-95-3	Dibromomethane	1.1		U
95-50-1	1,2-Dichlorobenzene	1.1		U
541-73-1	1,3-Dichlorobenzene	1.1		U
106-46-7	1,4-Dichlorobenzene	1.1		U
75-71-8	Dichlorodifluoromethane	1.1		U
75-34-3	1,1-Dichloroethane	1.1		U
107-06-2	1,2-Dichloroethane	1.1		U
75-35-4	1,1-Dichloroethene	1.1		U
156-59-4	cis-1,2-Dichloroethene	1.1	66	
156-60-5	trans-1,2-Dichloroethene	1.1		U
10061-01-5	cis-1,3-Dichloropropene	1.1		U
10061-02-6	trans-1,3-Dichloropropene	1.1		U
78-87-5	1,2-Dichloropropane	1.1		U
142-28-9	1,3-Dichloropropane	1.1		U
590-20-7	2,2-Dichloropropane	1.1		U
563-58-6	1,1-Dichloropropene	1.1		U
100-41-4	Ethylbenzene	1.1		U
87-68-3	Hexachlorobutadiene	1.1		U
98-82-8	Isopropyl benzene	1.1		U
99-87-6	4-Isopropyltoluene	1.1		U
75-09-2	Methylene chloride	1.1		U
91-20-3	Naphthalene	1.1		U
103-65-1	n-Propylbenzene	1.1		U
100-42-5	Styrene	1.1		U

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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 180782-04

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.1		U
108-67-8	1,3,5-Trimethylbenzene	1.1		U
79-34-5	1,1,2,2-Tetrachloroethane	1.1		U
127-18-4	Tetrachloroethene	1.1	140	
108-88-3	Toluene	1.1		U
87-61-6	1,2,3-Trichlorobenzene	1.1		U
120-82-1	1,2,4-Trichlorobenzene	1.1		U
71-55-6	1,1,1-Trichloroethane	1.1		U
79-00-5	1,1,2-Trichloroethane	1.1		U
79-01-6	Trichloroethene	1.1	21	
75-69-4	Trichlorofluoromethane	1.1		U
96-18-4	1,2,3-Trichloropropane	1.1		U
95-63-6	1,2,4-Trimethylbenzene	1.1		U
75-01-4	Vinyl chloride	1.1		U
95-47-6	o-Xylene	1.1		U
108-38-3/106-42-3	m,p-Xylene	1.1		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Client ID: MW-9 S-4 (8'-10') (Dupe)
EnviroTest Lab No.: 180782-04
Client Name: Alpha Geosciences
Project Name: 95141
% Solid: 87.8
Matrix: Soil
Sample Wt/Vol.: 5g
Level: Low

Date Collected: 1/9/98
Date Received: 1/9/98
Date Extracted:
Date Analyzed: 1/16/98
Report Date: 1/30/98
Column: DB-624
Lab File ID: V1166.D
Dilution Factor: 1

CAS No.	Compound	RT or Scan Number	Estimated Conc. ug/kg
NONE FOUND			

FORM I - VOA

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Ground Water Samples

Sample Data Summary Package

Alpha Geoscience
Project: 95141
ETL Lab. #: 181202
Matrix: Water
1 of 1

315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890

CASE NARRATIVE

Client: Alpha Geoscience
Date: 2/19/98
STE Lab No. 181202

Volatiles

Sample Dilution

The following sample was initially diluted at the indicated amount due to suspected high concentrations of method analytes:

MW-2Dup (181202-13): 20x

The following samples were diluted at the indicated amount due to compounds that exceed the linear calibration range:

MW-2DL (181202-02DL): 50x
MW-4DL (181202-04DL): 5x
MW-9DL (181202-08DL): 10x
MW-2DupDL(181202-13DL): 50x

Client ID BR-2 (181202-10) contains tetrachloroethene over the linear calibration range of the instrument. Due to laboratory oversight, the sample was not diluted.

Tentatively Identified Compounds

The parameter acetone, MTBE and 4-methyl-2-pentanone are contained in the standard mixture that was used to prepare the initial calibration. Although these parameters are not method parameters they were positively identified and quantified in client ID BR-3 (181202-11). Therefore, these parameters have been reported as a TIC parameter without the "J" qualifier indicating a true calculated result.

Matrix Spike/Matrix Spike Duplicate

The percent recovery for trichloroethene in the matrix spike/matrix spike duplicate in client ID BR-3 (181202-11) falls outside the acceptable limits.

The percent recovery for the 1,1-dichloroethene, benzene and toluene in the matrix spike blank fall outside the acceptable limits.

Semi-Volatiles

No comments necessary

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-01

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1186

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/26/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	1.	U
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	4.	
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	5.	
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U
127-18-4	Tetrachloroethene	28.	
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-01

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1186

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/26/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	1.	U
96-18-4	1,2,3-Trichloropropane	1.	U
98-82-8	Isopropylbenzene	1.	U
108-86-1	Bromobenzene	1.	U
103-65-1	n-Propylbenzene	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U
95-49-8	2-Chlorotoluene	1.	U
106-43-4	4-Chlorotoluene	1.	U
108-67-8	1,3,5-Trimethylbenzene	1.	U
98-06-6	tert-Butylbenzene	1.	U
95-63-6	1,2,4-Trimethylbenzene	1.	U
135-98-8	sec-Butylbenzene	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U
99-87-6	4-Isopropyltoluene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U
104-51-8	n-Butylbenzene	1.	U
96-12-8	1,2-Dibromo-3-chloropropane	1.	U
87-68-3	Hexachlorobutadiene	1.	U
120-82-1	1,2,4-Trichlorobenzene	1.	U
91-20-3	Naphthalene	1.	U
87-61-6	1,2,3-Trichlorobenzene	1.	U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-1

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-01

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1186

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/26/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs Found: 10

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
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23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-02

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1187

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/26/98

GC Column:DB-6242 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	20.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	7.	
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	2.	
75-34-3	1,1-Dichloroethane	4.	
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	160.	E
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	110.	E
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	110.	E
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U
127-18-4	Tetrachloroethene	1400.	E
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-02

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1187

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/26/98

GC Column:DB-6242 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	1.	U
96-18-4	1,2,3-Trichloropropane	1.	U
98-82-8	Isopropylbenzene	1.	U
108-86-1	Bromobenzene	1.	U
103-65-1	n-Propylbenzene	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U
95-49-8	2-Chlorotoluene	1.	U
106-43-4	4-Chlorotoluene	1.	U
108-67-8	1,3,5-Trimethylbenzene	1.	U
98-06-6	tert-Butylbenzene	1.	U
95-63-6	1,2,4-Trimethylbenzene	1.	U
135-98-8	sec-Butylbenzene	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U
99-87-6	4-Isopropyltoluene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U
104-51-8	n-Butylbenzene	1.	U
96-12-8	1,2-Dibromo-3-chloropropane	1.	U
87-68-3	Hexachlorobutadiene	1.	U
120-82-1	1,2,4-Trichlorobenzene	1.	U
91-20-3	Naphthalene	1.	U
87-61-6	1,2,3-Trichlorobenzene	1.	U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-2

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-02

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1187

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/26/98

GC Column:DB-6242 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2DL

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-02DL

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1211

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 50.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	50.	U
74-87-3	Chloromethane	50.	U
75-01-4	Vinyl Chloride	50.	U
74-83-9	Bromomethane	50.	U
75-00-3	Chloroethane	50.	U
75-69-4	Trichlorofluoromethane	50.	U
75-35-4	1,1-Dichloroethene	50.	U
75-09-2	Methylene Chloride	50.	U
156-60-5	trans-1,2-Dichloroethylene	50.	U
75-34-3	1,1-Dichloroethane	50.	U
590-20-7	2,2-Dichloropropane	50.	U
159-59-4	cis-1,2-Dichloroethene	200.	D
67-66-3	Chloroform	50.	U
563-58-6	1,1-Dichloropropene	50.	U
107-06-2	1,2-Dichloroethane	50.	U
74-97-5	Bromochloromethane	50.	U
71-55-6	1,1,1-Trichloroethane	130.	D
56-23-5	Carbon Tetrachloride	50.	U
71-43-2	Benzene	50.	U
79-01-6	Trichloroethene	140.	D
78-87-5	1,2-Dichloropropane	50.	U
74-95-3	Dibromomethane	50.	U
75-27-4	Bromodichloromethane	50.	U
10061-01-5	cis-1,3-Dichloropropene	50.	U
10061-02-6	trans-1,3-Dichloropropene	50.	U
79-00-5	1,1,2-Trichloroethane	50.	U
142-28-9	1,3-Dichloropropane	50.	U
124-48-1	Dibromochloromethane	50.	U
106-93-4	1,2-Dibromoethane	50.	U
75-25-2	Bromoform	50.	U
108-88-3	Toluene	5600.	D
127-18-4	Tetrachloroethene	50.	U
108-90-7	Chlorobenzene	50.	U
630-20-6	1,1,1,2-Tetrachloroethane	50.	U
100-41-4	Ethylbenzene	50.	U
95-47-6	m,p-Xylene	50.	U
95-47-6	o-Xylene	50.	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2DL

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-02DL

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1211

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 50.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	50.	U
96-18-4	1,2,3-Trichloropropane	50.	U
98-82-8	Isopropylbenzene	50.	U
108-86-1	Bromobenzene	50.	U
103-65-1	n-Propylbenzene	50.	U
79-34-5	1,1,2,2-Tetrachloroethane	50.	U
95-49-8	2-Chlorotoluene	50.	U
106-43-4	4-Chlorotoluene	50.	U
108-67-8	1,3,5-Trimethylbenzene	50.	U
98-06-6	tert-Butylbenzene	50.	U
95-63-6	1,2,4-Trimethylbenzene	50.	U
135-98-8	sec-Butylbenzene	50.	U
541-73-1	1,3-Dichlorobenzene	50.	U
99-87-6	4-Isopropyltoluene	50.	U
106-46-7	1,4-Dichlorobenzene	50.	U
95-50-1	1,2-Dichlorobenzene	50.	U
104-51-8	n-Butylbenzene	50.	U
96-12-8	1,2-Dibromo-3-chloropropane	50.	U
87-68-3	Hexachlorobutadiene	50.	U
120-82-1	1,2,4-Trichlorobenzene	50.	U
91-20-3	Naphthalene	50.	U
87-61-6	1,2,3-Trichlorobenzene	50.	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-03

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1208

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	1.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	7.	
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	0.8	J
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U
127-18-4	Tetrachloroethene	0.7	J
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-03

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1208

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	1.	U
96-18-4	1,2,3-Trichloropropane	1.	U
98-82-8	Isopropylbenzene	1.	U
108-86-1	Bromobenzene	1.	U
103-65-1	n-Propylbenzene	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U
95-49-8	2-Chlorotoluene	1.	U
106-43-4	4-Chlorotoluene	1.	U
108-67-8	1,3,5-Trimethylbenzene	1.	U
98-06-6	tert-Butylbenzene	1.	U
95-63-6	1,2,4-Trimethylbenzene	1.	U
135-98-8	sec-Butylbenzene	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U
99-87-6	4-Isopropyltoluene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U
104-51-8	n-Butylbenzene	1.	U
96-12-8	1,2-Dibromo-3-chloropropane	1.	U
87-68-3	Hexachlorobutadiene	1.	U
120-82-1	1,2,4-Trichlorobenzene	1.	U
91-20-3	Naphthalene	1.	U
87-61-6	1,2,3-Trichlorobenzene	1.	U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-3

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-03

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1208

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-04

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1212

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	39.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	2.	
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	120.	E
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	0.8	J
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	35.	
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U
127-18-4	Tetrachloroethene	170.	E
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-04

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1212

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	1.	U
96-18-4	1,2,3-Trichloropropane	1.	U
98-82-8	Isopropylbenzene	1.	U
108-86-1	Bromobenzene	1.	U
103-65-1	n-Propylbenzene	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U
95-49-8	2-Chlorotoluene	1.	U
106-43-4	4-Chlorotoluene	1.	U
108-67-8	1,3,5-Trimethylbenzene	1.	U
98-06-6	tert-Butylbenzene	1.	U
95-63-6	1,2,4-Trimethylbenzene	1.	U
135-98-8	sec-Butylbenzene	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U
99-87-6	4-Isopropyltoluene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U
104-51-8	n-Butylbenzene	1.	U
96-12-8	1,2-Dibromo-3-chloropropane	1.	U
87-68-3	Hexachlorobutadiene	1.	U
120-82-1	1,2,4-Trichlorobenzene	1.	U
91-20-3	Naphthalene	1.	U
87-61-6	1,2,3-Trichlorobenzene	1.	U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-4

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-04

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1212

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4DL

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-04DL

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1206

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.	U
74-87-3	Chloromethane	5.	U
75-01-4	Vinyl Chloride	45.	D
74-83-9	Bromomethane	5.	U
75-00-3	Chloroethane	5.	U
75-69-4	Trichlorofluoromethane	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-09-2	Methylene Chloride	5.	U
156-60-5	trans-1,2-Dichloroethylene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
590-20-7	2,2-Dichloropropane	5.	U
159-59-4	cis-1,2-Dichloroethene	5.	U
67-66-3	Chloroform	5.	U
563-58-6	1,1-Dichloropropene	5.	U
107-06-2	1,2-Dichloroethane	5.	U
74-97-5	Bromochloromethane	5.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
71-43-2	Benzene	5.	U
79-01-6	Trichloroethene	41.	D
78-87-5	1,2-Dichloropropane	5.	U
74-95-3	Dibromomethane	5.	U
75-27-4	Bromodichloromethane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
142-28-9	1,3-Dichloropropane	5.	U
124-48-1	Dibromochloromethane	5.	U
106-93-4	1,2-Dibromoethane	5.	U
75-25-2	Bromoform	5.	U
108-88-3	Toluene	5.	U
127-18-4	Tetrachloroethene	210.	D
108-90-7	Chlorobenzene	5.	U
630-20-6	1,1,1,2-Tetrachloroethane	5.	U
100-41-4	Ethylbenzene	5.	U
95-47-6	m,p-Xylene	5.	U
95-47-6	o-Xylene	5.	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4DL

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-04DL

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1206

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	5.	U
96-18-4	1,2,3-Trichloropropane	5.	U
98-82-8	Isopropylbenzene	5.	U
108-86-1	Bromobenzene	5.	U
103-65-1	n-Propylbenzene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
95-49-8	2-Chlorotoluene	5.	U
106-43-4	4-Chlorotoluene	5.	U
108-67-8	1,3,5-Trimethylbenzene	5.	U
98-06-6	tert-Butylbenzene	5.	U
95-63-6	1,2,4-Trimethylbenzene	5.	U
135-98-8	sec-Butylbenzene	5.	U
541-73-1	1,3-Dichlorobenzene	5.	U
99-87-6	4-Isopropyltoluene	5.	U
106-46-7	1,4-Dichlorobenzene	5.	U
95-50-1	1,2-Dichlorobenzene	5.	U
104-51-8	n-Butylbenzene	5.	U
96-12-8	1,2-Dibromo-3-chloropropane	5.	U
87-68-3	Hexachlorobutadiene	5.	U
120-82-1	1,2,4-Trichlorobenzene	5.	U
91-20-3	Naphthalene	5.	U
87-61-6	1,2,3-Trichlorobenzene	5.	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-05

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1209

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	5.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	35.	
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	14.	
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U
127-18-4	Tetrachloroethene	41.	
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-05

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1209

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	1.	U
96-18-4	1,2,3-Trichloropropane	1.	U
98-82-8	Isopropylbenzene	1.	U
108-86-1	Bromobenzene	1.	U
103-65-1	n-Propylbenzene	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U
95-49-8	2-Chlorotoluene	1.	U
106-43-4	4-Chlorotoluene	1.	U
108-67-8	1,3,5-Trimethylbenzene	1.	U
98-06-6	tert-Butylbenzene	1.	U
95-63-6	1,2,4-Trimethylbenzene	1.	U
135-98-8	sec-Butylbenzene	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U
99-87-6	4-Isopropyltoluene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U
104-51-8	n-Butylbenzene	1.	U
96-12-8	1,2-Dibromo-3-chloropropane	1.	U
87-68-3	Hexachlorobutadiene	1.	U
120-82-1	1,2,4-Trichlorobenzene	1.	U
91-20-3	Naphthalene	1.	U
87-61-6	1,2,3-Trichlorobenzene	1.	U

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-6

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-05

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1209

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-06

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1217

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	4.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	32.	
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	18.	
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U
127-18-4	Tetrachloroethene	93.	
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-06

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1217

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	1.	U
96-18-4	1,2,3-Trichloropropane	1.	U
98-82-8	Isopropylbenzene	1.	U
108-86-1	Bromobenzene	1.	U
103-65-1	n-Propylbenzene	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U
95-49-8	2-Chlorotoluene	1.	U
106-43-4	4-Chlorotoluene	1.	U
108-67-8	1,3,5-Trimethylbenzene	1.	U
98-06-6	tert-Butylbenzene	1.	U
95-63-6	1,2,4-Trimethylbenzene	1.	U
135-98-8	sec-Butylbenzene	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U
99-87-6	4-Isopropyltoluene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U
104-51-8	n-Butylbenzene	1.	U
96-12-8	1,2-Dibromo-3-chloropropane	1.	U
87-68-3	Hexachlorobutadiene	1.	U
120-82-1	1,2,4-Trichlorobenzene	1.	U
91-20-3	Naphthalene	1.	U
87-61-6	1,2,3-Trichlorobenzene	1.	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-7

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-06

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1217

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-07

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1201

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	2.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	3.	
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	0.8	J
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	2.	
127-18-4	Tetrachloroethene	1.	U
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-07

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1201

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	1.	U
96-18-4	1,2,3-Trichloropropane	1.	U
98-82-8	Isopropylbenzene	1.	U
108-86-1	Bromobenzene	1.	U
103-65-1	n-Propylbenzene	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U
95-49-8	2-Chlorotoluene	1.	U
106-43-4	4-Chlorotoluene	1.	U
108-67-8	1,3,5-Trimethylbenzene	1.	U
98-06-6	tert-Butylbenzene	1.	U
95-63-6	1,2,4-Trimethylbenzene	1.	U
135-98-8	sec-Butylbenzene	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U
99-87-6	4-Isopropyltoluene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U
104-51-8	n-Butylbenzene	1.	U
96-12-8	1,2-Dibromo-3-chloropropane	1.	U
87-68-3	Hexachlorobutadiene	1.	U
120-82-1	1,2,4-Trichlorobenzene	1.	U
91-20-3	Naphthalene	1.	U
87-61-6	1,2,3-Trichlorobenzene	1.	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-8

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-07

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1201

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-08

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1202

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	41.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	0.8	J
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	3.	
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	590.	E
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	130.	E
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U
127-18-4	Tetrachloroethene	680.	E
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-08

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1202

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	1.	U
96-18-4	1,2,3-Trichloropropane	1.	U
98-82-8	Isopropylbenzene	1.	U
108-86-1	Bromobenzene	1.	U
103-65-1	n-Propylbenzene	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U
95-49-8	2-Chlorotoluene	1.	U
106-43-4	4-Chlorotoluene	1.	U
108-67-8	1,3,5-Trimethylbenzene	1.	U
98-06-6	tert-Butylbenzene	1.	U
95-63-6	1,2,4-Trimethylbenzene	1.	U
135-98-8	sec-Butylbenzene	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U
99-87-6	4-Isopropyltoluene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U
104-51-8	n-Butylbenzene	1.	U
96-12-8	1,2-Dibromo-3-chloropropane	1.	U
87-68-3	Hexachlorobutadiene	1.	U
120-82-1	1,2,4-Trichlorobenzene	1.	U
91-20-3	Naphthalene	1.	U
87-61-6	1,2,3-Trichlorobenzene	1.	U

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Newburgh, NY 12550

Tel: (914) 562-0890
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CTDOHS PH-0554 EPA NY049

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-9

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-08

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1202

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9DL

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-08DL

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1210

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10.	U
74-87-3	Chloromethane	10.	U
75-01-4	Vinyl Chloride	45.	D
74-83-9	Bromomethane	10.	U
75-00-3	Chloroethane	10.	U
75-69-4	Trichlorofluoromethane	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-09-2	Methylene Chloride	10.	U
156-60-5	trans-1,2-Dichloroethylene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
590-20-7	2,2-Dichloropropane	10.	U
159-59-4	cis-1,2-Dichloroethene	700.	D
67-66-3	Chloroform	10.	U
563-58-6	1,1-Dichloropropene	10.	U
107-06-2	1,2-Dichloroethane	10.	U
74-97-5	Bromochloromethane	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
71-43-2	Benzene	10.	U
79-01-6	Trichloroethene	150.	D
78-87-5	1,2-Dichloropropane	10.	U
74-95-3	Dibromomethane	10.	U
75-27-4	Bromodichloromethane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
142-28-9	1,3-Dichloropropane	10.	U
124-48-1	Dibromochloromethane	10.	U
106-93-4	1,2-Dibromoethane	10.	U
75-25-2	Bromoform	10.	U
108-88-3	Toluene	10.	U
127-18-4	Tetrachloroethene	1000.	D
108-90-7	Chlorobenzene	10.	U
630-20-6	1,1,1,2-Tetrachloroethane	10.	U
100-41-4	Ethylbenzene	10.	U
95-47-6	m,p-Xylene	10.	U
95-47-6	o-Xylene	10.	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9DL

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-08DL

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1210

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	10.	U
96-18-4	1,2,3-Trichloropropane	10.	U
98-82-8	Isopropylbenzene	10.	U
108-86-1	Bromobenzene	10.	U
103-65-1	n-Propylbenzene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
95-49-8	2-Chlorotoluene	10.	U
106-43-4	4-Chlorotoluene	10.	U
108-67-8	1,3,5-Trimethylbenzene	10.	U
98-06-6	tert-Butylbenzene	10.	U
95-63-6	1,2,4-Trimethylbenzene	10.	U
135-98-8	sec-Butylbenzene	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
99-87-6	4-Isopropyltoluene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
104-51-8	n-Butylbenzene	10.	U
96-12-8	1,2-Dibromo-3-chloropropane	10.	U
87-68-3	Hexachlorobutadiene	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
87-61-6	1,2,3-Trichlorobenzene	10.	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR-1

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-09

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1207

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	4.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	20.	
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	2.	
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U
127-18-4	Tetrachloroethene	12.	
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR-1

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-09

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1207

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	1.	U
96-18-4	1,2,3-Trichloropropane	1.	U
98-82-8	Isopropylbenzene	1.	U
108-86-1	Bromobenzene	1.	U
103-65-1	n-Propylbenzene	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U
95-49-8	2-Chlorotoluene	1.	U
106-43-4	4-Chlorotoluene	1.	U
108-67-8	1,3,5-Trimethylbenzene	1.	U
98-06-6	tert-Butylbenzene	1.	U
95-63-6	1,2,4-Trimethylbenzene	1.	U
135-98-8	sec-Butylbenzene	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U
99-87-6	4-Isopropyltoluene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U
104-51-8	n-Butylbenzene	1.	U
96-12-8	1,2-Dibromo-3-chloropropane	1.	U
87-68-3	Hexachlorobutadiene	1.	U
120-82-1	1,2,4-Trichlorobenzene	1.	U
91-20-3	Naphthalene	1.	U
87-61-6	1,2,3-Trichlorobenzene	1.	U

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1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BR-1

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-09

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1207

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR-2

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-10

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1204

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	13.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	65.	
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	2.	
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	19.	
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U
127-18-4	Tetrachloroethene	130.	E
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR-2

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-10

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1204

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	1.	U
96-18-4	1,2,3-Trichloropropane	1.	U
98-82-8	Isopropylbenzene	1.	U
108-86-1	Bromobenzene	1.	U
103-65-1	n-Propylbenzene	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U
95-49-8	2-Chlorotoluene	1.	U
106-43-4	4-Chlorotoluene	1.	U
108-67-8	1,3,5-Trimethylbenzene	1.	U
98-06-6	tert-Butylbenzene	1.	U
95-63-6	1,2,4-Trimethylbenzene	1.	U
135-98-8	sec-Butylbenzene	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U
99-87-6	4-Isopropyltoluene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U
104-51-8	n-Butylbenzene	1.	U
96-12-8	1,2-Dibromo-3-chloropropane	1.	U
87-68-3	Hexachlorobutadiene	1.	U
120-82-1	1,2,4-Trichlorobenzene	1.	U
91-20-3	Naphthalene	1.	U
87-61-6	1,2,3-Trichlorobenzene	1.	U

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1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BR-2

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-10

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1204

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR-3

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-11

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1205

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	1.	U
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	1.	U
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	1.	U
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U
127-18-4	Tetrachloroethene	0.6	J
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR-3

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-11

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1205

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	1.	U
96-18-4	1,2,3-Trichloropropane	1.	U
98-82-8	Isopropylbenzene	1.	U
108-86-1	Bromobenzene	1.	U
103-65-1	n-Propylbenzene	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U
95-49-8	2-Chlorotoluene	1.	U
106-43-4	4-Chlorotoluene	1.	U
108-67-8	1,3,5-Trimethylbenzene	1.	U
98-06-6	tert-Butylbenzene	1.	U
95-63-6	1,2,4-Trimethylbenzene	1.	U
135-98-8	sec-Butylbenzene	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U
99-87-6	4-Isopropyltoluene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U
104-51-8	n-Butylbenzene	1.	U
96-12-8	1,2-Dibromo-3-chloropropane	1.	U
87-68-3	Hexachlorobutadiene	1.	U
120-82-1	1,2,4-Trichlorobenzene	1.	U
91-20-3	Naphthalene	1.	U
87-61-6	1,2,3-Trichlorobenzene	1.	U

315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890
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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BR-3

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-11

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1205

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-6-4--1	Acetone	5.25	15.	
2. 1634-0-4--	MTBE	6.90	2.	
3. 108-1-0--1	4-Methyl-2-pentanone	15.33	2.	
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-12

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1218

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/28/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	1.	U
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	1.	U
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	1.	U
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U
127-18-4	Tetrachloroethene	1.	U
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

STL Environmental
315 Fullerton Avenue
Newburgh, NY 12550
Tel: (914) 562-0890
Fax: (914) 562-0841
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-12

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1218

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/28/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	1.	U
96-18-4	1,2,3-Trichloropropane	1.	U
98-82-8	Isopropylbenzene	1.	U
108-86-1	Bromobenzene	1.	U
103-65-1	n-Propylbenzene	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U
95-49-8	2-Chlorotoluene	1.	U
106-43-4	4-Chlorotoluene	1.	U
108-67-8	1,3,5-Trimethylbenzene	1.	U
98-06-6	tert-Butylbenzene	1.	U
95-63-6	1,2,4-Trimethylbenzene	1.	U
135-98-8	sec-Butylbenzene	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U
99-87-6	4-Isopropyltoluene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U
104-51-8	n-Butylbenzene	1.	U
96-12-8	1,2-Dibromo-3-chloropropane	1.	U
87-68-3	Hexachlorobutadiene	1.	U
120-82-1	1,2,4-Trichlorobenzene	1.	U
91-20-3	Naphthalene	1.	U
87-61-6	1,2,3-Trichlorobenzene	1.	U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-12

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1218

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/28/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2(DUP)

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-13

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1222

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/28/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	20.	U
74-87-3	Chloromethane	20.	U
75-01-4	Vinyl Chloride	22.	
74-83-9	Bromomethane	20.	U
75-00-3	Chloroethane	20.	U
75-69-4	Trichlorofluoromethane	20.	U
75-35-4	1,1-Dichloroethene	20.	U
75-09-2	Methylene Chloride	20.	U
156-60-5	trans-1,2-Dichloroethylene	20.	U
75-34-3	1,1-Dichloroethane	20.	U
590-20-7	2,2-Dichloropropane	20.	U
159-59-4	cis-1,2-Dichloroethene	170.	
67-66-3	Chloroform	20.	U
563-58-6	1,1-Dichloropropene	20.	U
107-06-2	1,2-Dichloroethane	20.	U
74-97-5	Bromochloromethane	20.	U
71-55-6	1,1,1-Trichloroethane	120.	
56-23-5	Carbon Tetrachloride	20.	U
71-43-2	Benzene	20.	U
79-01-6	Trichloroethene	110.	
78-87-5	1,2-Dichloropropane	20.	U
74-95-3	Dibromomethane	20.	U
75-27-4	Bromodichloromethane	20.	U
10061-01-5	cis-1,3-Dichloropropene	20.	U
10061-02-6	trans-1,3-Dichloropropene	20.	U
79-00-5	1,1,2-Trichloroethane	20.	U
142-28-9	1,3-Dichloropropane	20.	U
124-48-1	Dibromochloromethane	20.	U
106-93-4	1,2-Dibromoethane	20.	U
75-25-2	Bromoform	20.	U
108-88-3	Toluene	20.	U
127-18-4	Tetrachloroethene	4600.	E
108-90-7	Chlorobenzene	20.	U
630-20-6	1,1,1,2-Tetrachloroethane	20.	U
100-41-4	Ethylbenzene	20.	U
95-47-6	m,p-Xylene	20.	U
95-47-6	o-Xylene	20.	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2(DUP)

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-13

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1222

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/28/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	20.	U
96-18-4	1,2,3-Trichloropropane	20.	U
98-82-8	Isopropylbenzene	20.	U
108-86-1	Bromobenzene	20.	U
103-65-1	n-Propylbenzene	20.	U
79-34-5	1,1,2,2-Tetrachloroethane	20.	U
95-49-8	2-Chlorotoluene	20.	U
106-43-4	4-Chlorotoluene	20.	U
108-67-8	1,3,5-Trimethylbenzene	20.	U
98-06-6	tert-Butylbenzene	20.	U
95-63-6	1,2,4-Trimethylbenzene	20.	U
135-98-8	sec-Butylbenzene	20.	U
541-73-1	1,3-Dichlorobenzene	20.	U
99-87-6	4-Isopropyltoluene	20.	U
106-46-7	1,4-Dichlorobenzene	20.	U
95-50-1	1,2-Dichlorobenzene	20.	U
104-51-8	n-Butylbenzene	20.	U
96-12-8	1,2-Dibromo-3-chloropropane	20.	U
87-68-3	Hexachlorobutadiene	20.	U
120-82-1	1,2,4-Trichlorobenzene	20.	U
91-20-3	Naphthalene	20.	U
87-61-6	1,2,3-Trichlorobenzene	20.	U

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1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-2(DUP)

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-13

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1222

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/28/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2(DUP)DL

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-13DL

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1213

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 50.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	50.	U
74-87-3	Chloromethane	50.	U
75-01-4	Vinyl Chloride	50.	U
74-83-9	Bromomethane	50.	U
75-00-3	Chloroethane	50.	U
75-69-4	Trichlorofluoromethane	50.	U
75-35-4	1,1-Dichloroethene	50.	U
75-09-2	Methylene Chloride	50.	U
156-60-5	trans-1,2-Dichloroethylene	50.	U
75-34-3	1,1-Dichloroethane	50.	U
590-20-7	2,2-Dichloropropane	50.	U
159-59-4	cis-1,2-Dichloroethene	190.	D
67-66-3	Chloroform	50.	U
563-58-6	1,1-Dichloropropene	50.	U
107-06-2	1,2-Dichloroethane	50.	U
74-97-5	Bromochloromethane	50.	U
71-55-6	1,1,1-Trichloroethane	130.	D
56-23-5	Carbon Tetrachloride	50.	U
71-43-2	Benzene	50.	U
79-01-6	Trichloroethene	120.	D
78-87-5	1,2-Dichloropropane	50.	U
74-95-3	Dibromomethane	50.	U
75-27-4	Bromodichloromethane	50.	U
10061-01-5	cis-1,3-Dichloropropene	50.	U
10061-02-6	trans-1,3-Dichloropropene	50.	U
79-00-5	1,1,2-Trichloroethane	50.	U
142-28-9	1,3-Dichloropropane	50.	U
124-48-1	Dibromochloromethane	50.	U
106-93-4	1,2-Dibromoethane	50.	U
75-25-2	Bromoform	50.	U
108-88-3	Toluene	50.	U
127-18-4	Tetrachloroethene	5400.	D
108-90-7	Chlorobenzene	50.	U
630-20-6	1,1,1,2-Tetrachloroethane	50.	U
100-41-4	Ethylbenzene	50.	U
95-47-6	m,p-Xylene	50.	U
95-47-6	o-Xylene	50.	U

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315 Fullerton Avenue
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Tel: (914) 562-0890
Fax: (914) 562-0841
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2(DUP)DL

Lab Name:Severn Trent Envirotest Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-13DL

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1213

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 50.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	50.	U
96-18-4	1,2,3-Trichloropropane	50.	U
98-82-8	Isopropylbenzene	50.	U
108-86-1	Bromobenzene	50.	U
103-65-1	n-Propylbenzene	50.	U
79-34-5	1,1,2,2-Tetrachloroethane	50.	U
95-49-8	2-Chlorotoluene	50.	U
106-43-4	4-Chlorotoluene	50.	U
108-67-8	1,3,5-Trimethylbenzene	50.	U
98-06-6	tert-Butylbenzene	50.	U
95-63-6	1,2,4-Trimethylbenzene	50.	U
135-98-8	sec-Butylbenzene	50.	U
541-73-1	1,3-Dichlorobenzene	50.	U
99-87-6	4-Isopropyltoluene	50.	U
106-46-7	1,4-Dichlorobenzene	50.	U
95-50-1	1,2-Dichlorobenzene	50.	U
104-51-8	n-Butylbenzene	50.	U
96-12-8	1,2-Dibromo-3-chloropropane	50.	U
87-68-3	Hexachlorobutadiene	50.	U
120-82-1	1,2,4-Trichlorobenzene	50.	U
91-20-3	Naphthalene	50.	U
87-61-6	1,2,3-Trichlorobenzene	50.	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name:SEVERN TRENT ENVIROTEST Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-02

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11121

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	n-Nitrosodimethylamine	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
100-57-6	Benzyl alcohol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1	Hexachloroethane	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
989-53-0	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
208-96-8	Acenaphthylene	10.	U
131-11-3	Dimethylphthalate	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
83-32-9	Acenaphthene	10.	U
99-09-2	3-Nitroaniline	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
86-73-7	Fluorene	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
84-66-2	Diethylphthalate	10.	U
100-01-6	4-Nitroaniline	25.	U
86-30-6	n-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name:SEVERN TRENT ENVIROTEST Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-02

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11121

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
118-74-1	Hexachlorobenzene	10.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-Octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

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1F

EPA SAMPLE NO.

MW-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:SEVERN TRENT ENVIROTEST Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-02

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11121

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name:SEVERN TRENT ENVIROTEST Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-03

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7435

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 2/01/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	n-Nitrosodimethylamine	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
100-57-6	Benzyl alcohol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1	Hexachloroethane	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
989-53-0	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
208-96-8	Acenaphthylene	10.	U
131-11-3	Dimethylphthalate	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
83-32-9	Acenaphthene	10.	U
99-09-2	3-Nitroaniline	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
86-73-7	Fluorene	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
84-66-2	Diethylphthalate	10.	U
100-01-6	4-Nitroaniline	25.	U
86-30-6	n-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name:SEVERN TRENT ENVIROTEST Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-03

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7435

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 2/01/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
118-74-1	Hexachlorobenzene	10.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-Octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

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1F

EPA SAMPLE NO.

MW-3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:SEVERN TRENT ENVIROTEST Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-03

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7435

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 2/01/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		C7H14 isomer	3.90	2.	J
2.	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.49	3.	J
3.		Unknown	18.90	4.	J
4.		Unknown CnH2n	20.34	3.	J
5.					
6.					
7.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name:SEVERN TRENT ENVIROTEST Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-04

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11123

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	n-Nitrosodimethylamine	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
100-57-6	Benzyl alcohol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1	Hexachloroethane	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
989-53-0	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
208-96-8	Acenaphthylene	10.	U
131-11-3	Dimethylphthalate	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
83-32-9	Acenaphthene	10.	U
99-09-2	3-Nitroaniline	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
86-73-7	Fluorene	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
84-66-2	Diethylphthalate	10.	U
100-01-6	4-Nitroaniline	25.	U
86-30-6	n-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U

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315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890
Fax: (914) 562-0841

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name:SEVERN TRENT ENVIROTEST Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-04

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11123

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
118-74-1	Hexachlorobenzene	10.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-Octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

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1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-4

Lab Name:SEVERN TRENT ENVIROTEST Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-04

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11123

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	3.73	2.	J
2.		Unknown	4.14	3.	J
3.		Unknown	4.41	4.	J
4.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name:SEVERN TRENT ENVIROTEST Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-05

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11124

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	n-Nitrosodimethylamine	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
100-57-6	Benzyl alcohol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1	Hexachloroethane	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
989-53-0	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
208-96-8	Acenaphthylene	10.	U
131-11-3	Dimethylphthalate	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
83-32-9	Acenaphthene	10.	U
99-09-2	3-Nitroaniline	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
86-73-7	Fluorene	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
84-66-2	Diethylphthalate	10.	U
100-01-6	4-Nitroaniline	25.	U
86-30-6	n-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name:SEVERN TRENT ENVIROTEST Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-05

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11124

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
118-74-1	Hexachlorobenzene	10.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-Octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

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Newburgh, NY 12550
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Fax: (914) 562-0841
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-6

Lab Name:SEVERN TRENT ENVIROTEST Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-05

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11124

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	4.41	2.	J
2.					
3.					
4.					
5.					
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8.					
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Newburgh, NY 12550
Tel: (914) 562-0890
Fax: (914) 562-0841

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR-1

Lab Name:SEVERN TRENT ENVIROTEST Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-09

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11125

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	n-Nitrosodimethylamine	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
100-57-6	Benzyl alcohol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1	Hexachloroethane	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
989-53-0	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
208-96-8	Acenaphthylene	10.	U
131-11-3	Dimethylphthalate	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
83-32-9	Acenaphthene	10.	U
99-09-2	3-Nitroaniline	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
86-73-7	Fluorene	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
84-66-2	Diethylphthalate	10.	U
100-01-6	4-Nitroaniline	25.	U
86-30-6	n-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U

STL Envirotest
315 Fullerton Avenue
Newburgh, NY 12550
Tel: (914) 562-0890
Fax: (914) 562-0841
NYSDOH 10142 NJDEP 73015 CTDOHS PH-0554 EPA NY049

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR-1

Lab Name:SEVERN TRENT ENVIROTEST Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-09

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11125

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
118-74-1	Hexachlorobenzene	10.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-Octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

315 Fullerton Avenue
Newburgh, NY 12550
Tel: (914) 562-0890
Fax: (914) 562-0841

NJDEP 73015 CTDOHS PH-0554 EPA NY049

1F

EPA SAMPLE NO.

BR-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: SEVERN TRENT ENVIROTEST Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-09

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11125

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	3.87	4.	J
2.		Unknown	4.41	3.	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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14.					
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26.					
27.					
28.					
29.					
30.					

STL Envirotest
315 Fullerton Avenue
Newburgh, NY 12550
Tel: (914) 562-0890
Fax: (914) 562-0841

NYSDOH 10142 NJDEP 73015 CTDOHS PH-0554 EPA NY049

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2DUP

Lab Name:SEVERN TRENT ENVIROTEST Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-13

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11126

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	n-Nitrosodimethylamine	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
100-57-6	Benzyl alcohol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1	Hexachloroethane	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
989-53-0	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
208-96-8	Acenaphthylene	10.	U
131-11-3	Dimethylphthalate	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
83-32-9	Acenaphthene	10.	U
99-09-2	3-Nitroaniline	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
86-73-7	Fluorene	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
84-66-2	Diethylphthalate	10.	U
100-01-6	4-Nitroaniline	25.	U
86-30-6	n-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U

STL Environtest
315 Fullerton Avenue
Newburgh, NY 12550
Tel: (914) 562-0890
Fax: (914) 562-0841
NYSDOH 10142 NJDEP 73015 CTDOHS PH-0554 EPA NY049

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2DUP

Lab Name:SEVERN TRENT ENVIROTEST Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-13

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11126

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
118-74-1	Hexachlorobenzene	10.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-Octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

STL Envirotest

315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890
Fax: (914) 562-0841

1F

EPA SAMPLE NO.

MW-2DUP

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:SEVERN TRENT ENVIROTEST Contract:95141

Lab Code:10142 Case No.:##### SAS No.:##### SDG No.:AG202

Matrix: (soil/water) WATER Lab Sample ID:181202-13

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11126

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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30.					

STL Envirotest
315 Fullerton Avenue
Newburgh, NY 12550
Tel: (914) 562-0890
Fax: (914) 562-0841

NYSDOH 10142 NJDEP 73015 CTDOHS PH-0554 EPA NY049

APPENDIX J

Disposal Documentation

Certificate of Treatment & Recycling

ESMI of New York hereby acknowledges the

Treatment & Recycling

of ***223.16*** tons of Virgin Petroleum Contaminated Soils
from

New Paltz Plaza

by

Thermal Desorption

Certificate No. 032398-450

Issued To: M C Environmental Services, Inc.

By: _____

Philip J. Theriault, Compliance Manager
Environmental Soil Management of New York, LLC.

New York State DEC Permit No. 5-5330-00038/00001-1

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. NY Pm1037

197653B

Carrier No. 5A-175

Page 1 of 1 M.C. ENVIRONMENTAL SERVICES, INC. (Name of carrier) (SCAC) Date 03/10/98

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee MOBIL OIL CORPORATION
Street 52 CHURCH STREET
City ALBANY, State NEW YORK Zip Code 12202

FROM:
Shipper NEW PALTZ PLAZA
Street ROUTE 299
City NEW PALTZ State NEW YORK Zip Code 12561
24 hr. Emergency Contact Tel. No. 1-800-451-8984

Route BEST WAY
Vehicle Number 367-051

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	FUEL OIL AND WATER MIXTURE	2860 GALS.			
		3 PG III UN1993				
		(NO18)				
		RECD Henderson	3/12/98			
		Appr. # A181Y.				

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(d) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER NEW PALTZ PLAZA
PER [signature]

CARRIER M C ENVIRONMENTAL SERVICES, INC.
PER [signature]
DATE 3/10/98

3

Permanent post-office address of shipper.

STYLE F160-3 Labelmaster, An American Labelmark Co., Chicago, IL 60646 800-621-5808

304905-DO

ATTENTION SHIPPERS! FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT.

3

STRAIGHT BILL OF LADING

ORIGINAL—NOT NEGOTIABLE

Shipper No.

Carrier No. 5A175

Page 1 of 1

MC Environmental Services (Name of carrier) (SCAC)

Date 2/24/97

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO:
Consignee Glens Falls Waste Water T.P.
Street
City Glens Falls State NY Zip Code

FROM:
Shipper MC Environmental Services
Street 22 Hudson Falls Rd.
City S Glens Falls State NY Zip Code
24 hr. Emergency Contact Tel. No. 800 451 8984

Route Best way

Vehicle Number 367051

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
Bulk		Waste Water / Ground Water	1721 gals			

PLACARDS TENDERED: YES ☐ NO ☐

REMIT C.O.D. TO: ADDRESS

Note — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

$ ______ per ______

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

______ Signature

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES: $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked. Check box if charges are to be collect ☐

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Alpha Geo Science (New Paltz site)
PER #9 Agent of: Michael J. E[illegible]

CARRIER MCES
PER Michael J. E[illegible]
DATE 2/24/97

1

Permanent post-office address of shipper.

UNIFORM STRAIGHT BILL OF LADING **Original—Not Negotiable—Domestic**

Shipper's # 5A 175.

Mc. Environmental Services INC. **Carrier** Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at New Paltz Plaza Feb 11 1997 from New Paltz Plaza Properties, LP.

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address of consignee—For purposes of notification only.)

Consigned to IRA Conklin & Sons, Inc.

Destination 92-94 Stewart Ave Newburgh State of N.Y. Zip Code 12550 County of ~~Ulster~~ Orange

Routing Best Way Delivering Carrier Mc. Environmental Vehicle or Car Initial 367-051 No.

Collect On Delivery

$ ______ and remit to: ______

______ Street ______ City ______ State

C. O. D. charge to be paid by Shipper ☐ Consignee ☐

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
1	Petroleum Contaminated water. For Recycling (N018)	3,000 6		
	Rec'd 2-11-97 oil/water [signature]			

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received $ ______ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per ______
(the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

$ ______

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding ______ per ______

New Paltz Plaza. Shipper, Per [signature] Mc. Environmental Agent, Per [signature] 1

Permanent post-office address of shipper,

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

Bill of Lading

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. SA-175

Carrier No. PM1038 NY

Page 1 of 1

MC Environmental Services, Inc.
(Name of carrier) (SCAC)

Date Feb.28,1997

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO: Consignee Glens Falls Waste Water Treatment

Street Shermantown road

City Glens Falls State NY Zip Code 12801

FROM: Shipper Kemmer Corporation

Street Route 299 New Paltz Plaza

City New Paltz State NY Zip Code

24 hr. Emergency Contact Tel. No. (800) 451-8984

Route Best Way

Vehicle Number 367-052

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1		Ground Water	1996 gal.	19966gal		

PLACARDS TENDERED: YES ☐ NO ☒

REMIT C.O.D. TO: ADDRESS

Note — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

$ _____ per _____

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

COD Amt: $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES: $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Kemmer Corporation

PER _____

DATE 2/28/97

CARRIER MC Environmental Services, Inc.

PER _____

DATE Feb. 28 1997

3

Permanent post-office address of shipper.

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ATTENTION SHIPPERS! FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT.

STRAIGHT BILL OF LADING

ORIGINAL—NOT NEGOTIABLE

Shipper No. _____

Page 1 of 1

Mc. Environmental Services Inc (Name of carrier) (SCAC)

Carrier No. SA-175

Date 12/12/97

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO:
Consignee Paradise Oil
Street 2 Quinby ST.
City Ossining State NY Zip Code

FROM:
Shipper New Paltz Plaza (Kemper)
Street Route 299
City New Paltz State NY Zip Code 1
24 hr. Emergency Contact Tel. No. 1-800-451-8984

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1		Fuel oil & water	3,000	Gallons		

PLACARDS TENDERED: YES ☐ NO ☐

REMIT C.O.D. TO: ADDRESS

Note — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ _____ per _____

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
_____ Signature

COD Amt: $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ (Signature of Consignor)

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES: $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

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Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER New Paltz Plaza Kemper.
PER [signature] As Agent

CARRIER Mc. Environmental Services
PER [signature]
DATE 12/12/97

1

Permanent post-office address of shipper.

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