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Petroleum Remediation Report for New Paltz Plaza

Prepared for:

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1.0 INTRODUCTION

Alpha Geoscience (Alpha) has prepared this Petroleum Remediation Report on behalf of New Paltz Plaza Properties, L.P. (NPPP) to address subsurface petroleum contamination in connection with a leaking former 10,000-gallon underground storage tank (UST) on the east of the New Paltz Plaza in New Paltz, New York. The location of the site is shown on Figure 1. Dry cleaning solvents were also detected in this area resulting in a 0.05 acre area east of the Revonak Dry Cleaner tenant building listed in the Registry of Inactive Hazardous Waste sites as a Class 2, Priority 3 (low priority) site. The petroleum remediation was performed pursuant to a Voluntary Cleanup Agreement (Index No. W3-0782-97-10) with the New York State Department of Environmental Conservation (NYSDEC). A remedial work plan which addresses remediation of both solvents and petroleum was attached to, and made part of, the Voluntary Agreement. The remedial activities described herein were based primarily on the information and data obtained at the site during a test pit investigation completed on February 13, 1997. The objective of the remedial activities was to remove and dispose of soil containing solvents and petroleum compounds, and to monitor ground water to evaluate the effectiveness of the remediation. Criteria for the petroleum remediation were consistent with NYSDEC Petroleum Contaminated Soil Guidance Policy, STARS Memo #1, dated August, 1992.

The purpose of this report is to document the activities which resulted in remediation of petroleum impacted soil and ground water. A previous report, entitled Remediation Report for New Paltz Plaza, dated March 27, 1998, was prepared by Alpha and submitted to the NYSDEC to address remediation of solvents at the site.

1.1 Site Description

The New Paltz Plaza lies within an area of light commercial business, with some rural/residential areas to the north of the Plaza. To the south of the Plaza are several commercial establishments, to the east of the Plaza is a wooded area (recently developed for commercial use) and the New York State Thruway, and to the west of the Plaza is the Village of New Paltz. The Plaza consists of buildings and adjacent asphalt covered parking areas. Overhead utility service runs along the eastern boundary of the Plaza property, with overhead connections to the Plaza. The Plaza is served by municipal

water lines, which are located under the asphalt pavement on the east side of the Plaza. The Plaza also has sewer service, with connections to the individual Plaza tenants, generally on the east side of the Plaza.

The Plaza is served by the Town of New Paltz Water Department, which draws its water from the Village of New Paltz water system.

1.2 Background and Previous Investigations

Available information and documents indicate that the involvement of NYSDEC (Spill No. 91-02195) with this site dates back to early 1991 when a ground water monitoring program was initiated as a result of the discovery of a petroleum product discharge from an underground storage tank and piping associated with a former supermarket on the shopping center premises. December 1991 ground water sampling results indicated that petroleum constituents were present.

Subsequent petroleum investigations were performed on site by Environmental Products and Services, Inc., which included monitoring well and recovery well installation, ground water and soil sampling, a soil gas survey, and excavation of contaminated soil during March, 1995.

Test pit activities performed by Alpha Geoscience during February, 1997, revealed petroleum-contaminated soil along the east side of the plaza, north of and adjacent to the former UST location. Alpha prepared and submitted to the NYSDEC, a Remediation Plan for New Paltz Plaza, dated October 27, 1997 ("Work Plan"). The Work Plan described the remedial activities to be undertaken to address both solvent and petroleum impacted soil and ground water at the site and was attached to, and made part of, the Voluntary Agreement.

2.0 FIELD METHODS

2.1 Remedial Excavation

The remedial excavation was performed in accordance with the Work Plan. Alpha personnel were on site during all remedial activities to document procedures and to collect data. NYSDEC personnel were also on site on a daily basis. NYSDEC decisions regarding the limits of excavation and backfilling of the excavation were made based on review of field GC results and confirmatory analytical laboratory results.

Excavating began at the limits of the test pits which had been excavated in February, 1997. A track hoe was used to excavate areas where contaminated soil was suspected based on the results of the February, 1997 test pit excavation. Soil was sampled, screened and analyzed, as described below, to initially determine the limits of excavation. Excavation proceeded until screening and analytical criteria were met, or until utilities or the building foundation precluded further excavating. Excavated soil was managed according to criteria specified in the Work Plan. The extent of the remedial excavation, as measured from fixed points at the site, is shown on Figure 2.

The remedial excavation was documented by an Alpha geologist/hydrogeologist. Alpha personnel recorded the excavation dimensions, soil texture and grain size, ground water occurrence, photoionization detector (PID) measurements, visual or olfactory evidence of petroleum contamination, and a record of samples submitted for laboratory and field gas chromatograph (GC) analysis in a dedicated project field book.

At the completion of remedial activities, excavations were backfilled with the approval of the NYSDEC using either excavated soil approved by a NYSDEC on-site representative, or soil from an off-site source. The backfill was tamped to minimize settlement. Crushed stone was placed in the upper 6 to 12 inches of each backfilled area to support traffic and parking.

2.1.1 Soil Sampling, Screening and Analysis

A total of 58 soil samples were collected from the remedial excavation to determine the nature and concentration of contaminants in the soil. The locations of the remedial excavation samples are shown on Figure 3. Samples were initially screened for organic vapors using a PID at the excavation and were subsequently evaluated by headspace analysis. Analysis using the field GC assisted in determining the disposition of soil as petroleum-contaminated, solvent-contaminated, or potentially within acceptable cleanup criteria. Selected soil samples were submitted for analysis to a NYSDOH-approved laboratory to confirm the field GC results, in accordance with the Work Plan.

Soil was excavated, and was immediately screened within the backhoe bucket using the on-site PID. If the PID detected a concentration greater than one (1) ppm above background, the soil was placed in a rolloff to be managed and disposed as hazardous waste, unless petroleum odors were present, in which case the soil was placed into a designated petroleum-contaminated rolloff. Soil placed into the petroleum-contaminated rolloff was analyzed by the on-site GC at a rate of approximately one sample for each cubic yard to ensure that the tetrachloroethylene limit specified in NYSDEC TAGM 94-4046 (1.4 ppm) was not exceeded.

If the PID did not record a value greater than one ppm above background, the soil was placed on polyethylene sheeting and sampled, and was analyzed by the on-site GC. The results of the on-site GC were used to determine whether the soil was subsequently placed in the hazardous rolloff, the petroleum rolloff, or could be used as backfill. A value of 1.4 ppm of tetrachloroethylene, as determined by the GC and confirmed by laboratory analysis, was used as the criteria to determine whether or not the soil was hazardous waste.

A sample identification system was implemented to insure accurate correlation between the soil samples and the staged soil piles. Each sample was labeled with a unique sample number, and was plotted on a map of the excavation area (Figure 3). Two sample jars were collected at each sampling location. An additional suffix of "A" and "B" was used to distinguish the two containers for each sample. One jar of each sample was submitted for analysis by the field GC. The corresponding jar was retained for possible laboratory analysis. A surveyors stake or pin flag was placed in each staged

soil pile and labeled with the sample number (or numbers) corresponding to the pile. A field log was maintained listing the sample number, sample depth, the date of collection, the initial PID reading, the GC result, and whether or not the sample was submitted for laboratory analysis.

All samples submitted for laboratory analysis were collected in clean glass jars provided by the laboratory. Each jar was filled completely with soil to minimize air space and volatilization. After collection, each sample was labeled with a unique identification number and placed in a cooler for preservation. Selected samples were transported to a NYSDOH-certified laboratory using chain of custody procedures. One duplicate soil sample was analyzed for each ten samples submitted for laboratory analysis. Table 1 presents a summary of the analyses performed on all the soil samples submitted for laboratory analyses during remedial activities. Seventeen samples and three duplicates were submitted for analysis of volatile organic compounds (VOCs) by EPA Method 8260. Ten of these samples and two of the duplicates were also analyzed for semi-VOCs by EPA Method 8270. All laboratory analyses included determination of tentatively identified compounds (TICs) and Category B laboratory deliverables.

2.1.2 Dewatering

Dewatering was performed during excavation activities to remove ground water and provide for a stable excavation below the water table. The water was pumped into temporary holding tanks on site or evacuated directly using a vacuum truck. The water was transported by a permitted hauler and disposed off site at a permitted facility, as described in Section 3.3.

2.2 Ground Water Monitoring

The effectiveness of the remedial excavation was determined by monitoring of ground water quality at the site. Four monitoring wells were previously installed at the site in response to the petroleum release (Spill No. 9102195) at the former Great American Supermarket. Each of these wells (MW-1, MW-2, MW-3 and MW-4) were arbitrarily installed to a depth of 10 feet into the ground water. As a result, several of the wells penetrate the upper few feet of bedrock. Construction logs for these wells are provided in Appendix A.

Four overburden monitoring wells (MW-6, MW-7, MW-8 and MW-9) and three bedrock monitoring wells (BR-1, BR-2 and BR-3) were installed at the site following remedial excavation activities. The locations of these seven new wells are shown on Figure 4. The seven new wells will be used in conjunction with the four existing wells as a well network for ground water monitoring. The construction logs are provided in Appendix A. Table 2 presents a summary of the well construction details.

2.2.1 Overburden Well Installation

The soil borings for the overburden monitoring wells were advanced using a truck-mounted drill rig equipped with 4 ¼-inch inside diameter (ID) hollow stem augers. Split spoon samples were collected by driving the sampler with a 140-pound hammer falling 30 inches, until either 24 inches of soil was penetrated or 100 blows were applied with less than six inches of penetration.

Each sample was examined and recorded on boring logs including a soil description, moisture content, job designation, boring and sample number, depth penetration record, and length of recovery. Copies of the boring logs are included in Appendix B. A portion of each soil sample was placed in airtight plastic bags and laboratory-supplied glass jars. The soil in the bags was field-screened via headspace analysis using a PID, and the soil in the jars was placed in a chilled cooler for potential laboratory analysis. Copies of the organic vapor screening logs are included in Appendix C.

At the conclusion of drilling, a total of three soil samples and one duplicate sample were selected for laboratory analysis. The sample from boring MW-9 was selected based on a slightly elevated photoionization detector (PID) reading of 1.8 parts per million (ppm) above instrument background. A duplicate sample was also collected from boring MW-9. One sample each from borings MW-7 and MW-8 was selected from the interval corresponding to the bottom of each well because there were no elevated PID measurements at these boring locations. Table 1 presents the soil sample analytical methods. The results of the sample analyses were used to characterize the drill cuttings for disposal. The drill cuttings from each boring location were staged on and covered with plastic sheeting pending laboratory analytical results.

The overburden wells are constructed of 2-inch, threaded joint, Schedule 40 PVC pipe with varying lengths of No. 10-slot screen. The length of screen at each location was selected based on the depth to bedrock, and accounted for installation of the bentonite seal and the protective casing. The annular space around, and from approximately one foot below and above the well screen, was filled with a Grade 1 filter sand pack. A bentonite seal at least one foot thick was installed above the sand pack and hydrated. Lockable, flush mount, steel protective casings were cemented at each well to prevent unauthorized access and provide well protection. Copies of the overburden well completion logs are included in Appendix A.

2.2.2 Bedrock Monitoring Well Installation

Three bedrock monitoring wells, designated BR-1, BR-2,and BR-3, were installed adjacent to overburden wells MW-6, MW-7,and MW-9, respectively (Figure 4). No split spoon sampling was performed in the soil overburden at the bedrock well locations because continuous sampling was performed at each adjacent overburden well location. Samples of the drill cuttings from the bedrock borings were examined and recorded on boring logs.

Borings were drilled approximately one foot into the top of bedrock utilizing 6 ¼-inch ID hollow stem augers. Approximately one to two feet of a bentonite/cement mixture was placed in the augers and a 4-inch ID steel casing was set. The annular space between the 4-inch casing and the boring was then grouted to the surface while removing the augers. The grout was allowed to cure for a minimum of 48 hours prior to drilling into bedrock. A four-inch outer diameter (OD) air hammer assembly was used to drill approximately ten feet below the casing into the bedrock completing the well as an open bedrock hole. The cuttings from drilling activities were stockpiled and covered with plastic sheeting. Each well was completed with a flush mount protective road box. Copies of the bedrock well completion logs are presented in Appendix A and the borings logs are included in Appendix B.

2.2.3 Monitoring Well Development

Each, newly-installed, overburden and bedrock monitoring well was developed for the following reasons:

- To remove residual formational silts and clays, thereby reducing turbidity during sampling that could potentially interfere with chemical analysis; and,

- To increase the hydraulic communication between the saturated zone and the well and improve the well yield.

Well development was performed after at least forty-eight hours had elapsed since well installation. Well development was accomplished using the dedicated bailer technique, or by using a submersible pump. Field parameters were measured after every well volume of water was removed. Well development was terminated after the turbidity, pH, conductance and temperature of the purge water equilibrated (i.e., no substantial change after three consecutive well volumes) or as recharge of the well allowed. Water generated during well development was temporarily containerized and subsequently transferred to a vacuum truck for off-site disposal. Copies of the ground water sampling forms, which were used to record well development information, are included in Appendix D.

2.2.4 Ground Water Sampling

Ground water samples were collected from each of the eleven monitoring wells. The initial round of sampling was conducted at least one week after well development. The sampling event included an examination of the existing on-site recovery well for free petroleum product as specified in the Work Plan. Samples were collected in accordance with the procedures outlined in the Work Plan. Table 3 summarizes the analytical methods for the ground water sampling event. Ground water generated during purging was temporarily containerized and subsequently transported off site for disposal as described in Section 3.3. Information pertaining to purging and sampling was recorded on ground water sampling forms which are included in Appendix D.

2.2.5 Surveying

Each of the eleven monitoring wells were surveyed to determine their relative location and top-of-casing elevation. An arbitrary datum of 100 feet was used to survey each well vertically (elevation)

to an accuracy of 0.01 foot. The surveyed well locations are shown on Figure 4 relative to other structures and features at the site.

3.0 RESULTS

3.1 Remedial Excavation

Remedial excavating of the areas outlined in the Work Plan was performed during the period from December 2 through December 12, 1997. The final shape of the excavation was irregular, covering an area of approximately 900 square feet and extending to the top of bedrock, approximately seven to nine feet below ground surface. Figure 3 depicts the outline of the excavated area relative to other surface features. The excavation connected or intercepted previously excavated test pits to ensure that as much impacted soil was excavated as practical. The lateral extent of the excavation was limited to the west by the building and to the northwest by a water main. Excavating was performed around site sewer and water lines to the extent practicable. Some soil was necessarily left in place beneath these utilities for support.

The soils encountered during excavating consisted of various layers of silty clay, clayey silt, and sand. The permeability of the soils is generally low as evidenced by the relatively slow seepage of ground water into the excavation. Ground water accumulation in the excavation was easily controlled by occasional pumping. Ground water seepage was greatest from lenses of sandy soil suggesting that preferential flow paths are likely present at the site.

The excavation was backfilled with segregated soil and crushed stone after receiving laboratory results of confirmatory samples. Sample results were reviewed with NYSDEC personnel who provided the approval to backfill based on the sample analytical results.

3.1.1 Soil PID Screening

The excavated soil was initially screened in the backhoe bucket utilizing the PID (ambient reading). The results of PID headspace screening (Appendix C) indicated 29 samples with a measurement

greater than 1.0 ppm, including the soil samples collected from the soil borings. These 29 samples all exhibited a petroleum odor, and associated soil was staged as non-hazardous, petroleum-contaminated soil, pending the results of field GC and laboratory analyses. Analysis of soil samples collected from the remedial excavation by both GC and the laboratory show that concentrations of solvent-related VOCs were below the NYSDEC TAGM 4046 soil cleanup objectives (Table 4). The soil was subsequently placed in a rolloff for off-site disposal as petroleum contaminated soil.

3.1.2 Gas Chromatograph Analysis

Soil samples collected during excavation activities were analyzed by an on-site gas chromatograph for the presence or absence of benzene, toluene, ethylbenzene and m- and p-xylene (BTEX), tetrachloroethylene (PCE) and trichloroethylene (TCE). The results of the PCE and TCE analyses are presented and addressed in the March 27, 1998 Remediation Report and are not included herein. A total of 58 samples and six duplicate samples were analyzed during remedial excavation. Table 4 provides a summary of the results of the GC field analysis and Figure 3 depicts the locations of the sample points.

Seven post-excavation samples which were not submitted for laboratory confirmation analysis were analyzed for BTEX compounds using the GC. BTEX compounds were not detected at or above the instrument detection limit of 50 parts per billion in five of the seven samples. Sample RE-28B indicated total BTEX concentrations of 114 ppb and RE-42B indicated total BTEX concentrations of 2,108 ppb. Sample RE-28B is located under the east wall of the Plaza building, and sample RE-42B is located adjacent to the water main near manhole MH-4. Additional soil was not excavated in these areas in order to preserve the structural integrity of these structures. Figure 4 presents the locations and summarizes the results of post-excavation soil sampling.

A ground water sample was collected from a previously installed recovery well, designated RW-1, at the request of the NYSDEC on December 12, 1997. Approximately 1,500 gallons of water was evacuated from RW-1 by a vacuum truck prior to collecting the sample. After allowing RW-1 to recover, a spotty sheen was noted on the water, and no free product was present. The results of GC analysis of the recovery well sample indicated total BTEX measured 29.7 ppb (Table 4).

3.1.3 Laboratory Analysis

Nine post-excavation samples were submitted for laboratory analysis of VOCs via EPA Method 8260. Six of these samples were also analyzed for semi-VOCs via EPA Method 8270, base neutral compounds. Seven post excavation samples were analyzed for BTEX compounds using the on-site GC.

The results of the laboratory analysis were consistent with the field GC results, showing comparable concentrations of BTEX compounds and a high degree of confidence in the GC analytical results. Figure 5 shows the post-excavation sample locations. Table 4 presents the results of all GC analytical samples and laboratory samples for BTEX, PCE and TCE compounds. Table 5 summarizes the results of the laboratory and GC analytical results for only the post-excavation samples. Copies of the laboratory analytical results are presented in Appendix E.

The analytical results show that concentrations of VOCs did not exceed the NYSDEC STARS Alternative Guidance Values for protection of ground water in eleven of the sixteen samples. Samples RE-9A, RE-22A, and RE-28B and samples RE-41A and RE-42B, which contained VOCs at concentrations above the STARS guidance values, were collected from soil left in place along the plaza foundation and the water main, respectively (Figure 5). The semi-VOC analytical results show that the STARS alternative guidance values were exceeded only in sample RE-41A, collected from near the water main. Semi-VOCs were not detected, or were below the STARS guidance values, in all other post-excavation samples (RE-22A, RE-30A, RE-54B, RE-55B, and RE-58B).

In accordance with the Work Plan, soil samples were collected during the installation of the new monitoring wells. Samples were collected from three of the four overburden wells installed, including MW-7, MW-8 and MW-9. The results of laboratory analysis indicated no BTEX compounds were detected at or above the laboratory practical quantitation limit (PQL). Copies of the laboratory analytical reports are included in Appendix E.

3.2 Ground Water Monitoring

Ground water sampling was performed on January 20, 1998. The eleven wells were analyzed for VOCs via EPA Method 8260 and wells MW-2, MW-3, MW-4, MW-6 and BR-1 were analyzed for semi-VOCs via EPA Method 8270 base neutrals. The results of laboratory analysis indicated no petroleum-related VOCs or semi-VOCs were detected at or above the laboratory PQL. Copies of the analytical reports are included in Appendix E.

3.3 Water Level Measurements

Depth to water measurements were recorded prior to sampling on January 20, 1998, and again on February 27, 1998. The depth to water measurements and survey elevations were used to calculate ground water elevations and determine ground water flow direction in the overburden and bedrock.

An overburden ground water contour map was prepared for both the January 20 and the February 27 measurement dates (Figures 6 and 7, respectively). These maps indicate the direction of ground water flow is to the north with a westerly deflection near the plaza building foundation in the overburden. Bedrock ground water contour maps were also prepared for the two measurement dates (Figures 8 and 9, respectively). The maps indicate that bedrock ground water flow is to the north. Table 6 presents a summary of the water level elevations.

3.4 Soil Disposal

Approximately 223 tons of soil were excavated and placed in rolloff containers. The soil was transported and disposed at ESMI as petroleum-contaminated. Copies of the bills of lading for transportation of the soil and the disposal tickets are included in Appendix F.

The soil cuttings generated from well drilling activities were temporarily stockpiled on plastic sheeting. The laboratory analytical results of samples of this soil did not detect any VOCs at or above the NYSDECs petroleum-contaminated soil guidance values. Therefore, the soil was regraded on site.

3.5 Water Disposal

Approximately 10,000 gallons of water was generated from excavation evacuation, well development and ground water sample purging activities. The water was evacuated into a vacuum truck and transported by MC Environmental Services, Inc. to Mobil Oil Corporation, Glens Falls Wastewater Treatment Plant, Ira Conklin and Sons, Inc., or Paradise Oil for disposal. Copies of the manifests for disposal of water are included in Appendix F.

4.0 SUMMARY/RECOMMENDATIONS

The results of the remedial excavation program are summarized below.

- Soil underlying the site consists of a mixture of cobbles, gravel, sand, silt and clay. Bedrock lies approximately 6.5 to 9 feet below ground surface.

- Ground water was encountered at approximately two to four feet below grade and flows northwest in the overburden and to the north in the bedrock.

- Approximately 223 tons of petroleum impacted soil which could safely be excavated was removed and disposed off site. The results of soil sampling indicate a minor amount of impacted soil with low levels of VOCs or semi-VOCs remains along the west wall of the excavation (under the east foundation of the Plaza), and beneath some of the underground utilities. Impacted soil at these locations could not be excavated without jeopardizing the integrity of these structures.

- Approximately 10,000 gallons of ground water from the excavation, and purge water from well development and ground water sampling, was removed and disposed off site.

- The results of ground water sampling of the overburden and bedrock wells did not indicate the presence of any petroleum-related VOCs or semi-VOCs at or above the laboratory PQL.

Post-excavation remedial sampling results indicate that petroleum impacted soil was removed from all areas, except beneath certain utility lines, and the east plaza foundation adjacent to the remedial excavation. The results of ground water sampling show that the petroleum impacted soil left in place is not adversely impacting ground water quality. As part of the Work Plan, quarterly ground water monitoring will continue for one year and will include VOC analysis for all eleven wells and semi-VOC analysis for five select wells. Based on the results of post-excavation soil sampling and ground water sampling, no further remedial action is necessary at this site.

TABLE 1

Summary of Soil Sample Laboratory Analytical Methods
Remedial Excavation and Well Installation
New Paltz Plaza

Location	Sample ID	Analytical Method
Remedial Excavation	RE-4A	EPA Method 8260, TIC, Category B Deliverable
Remedial Excavation	RE-9A	EPA Method 8260, TIC, Category B Deliverable
Remedial Excavation	RE-9A (Dup)	EPA Method 8260, TIC, Category B Deliverable
Remedial Excavation	RE-14A	EPA Method 8260, TIC, Category B Deliverable
Remedial Excavation	RE-22A	EPA Method 8260, TIC, Category B Deliverable, TCLP EPA Method 8270 B/N, TIC, Category B Deliverable
Remedial Excavation	RE-25A	EPA Method 8260, TIC, Category B Deliverable
Remedial Excavation	RE-30A	EPA Method 8260, TIC, Category B Deliverable, EPA Method 8270 B/N, TIC, Category B Deliverable
Remedial Excavation	RE-33A	EPA Method 8260, TIC, Category B Deliverable
Remedial Excavation	RE-41A	EPA Method 8260, TIC, Category B Deliverable, EPA Method 8270 B/N, TIC, Category B Deliverable
Remedial Excavation	RE-43A	EPA Method 8260, TIC, Category B Deliverable, EPA Method 8270 B/N, TIC, Category B Deliverable
Remedial Excavation	RE-47A	EPA Method 8260, TIC, Category B Deliverable
Remedial Excavation	RE-49A	EPA Method 8260, TIC, Category B Deliverable
Remedial Excavation	RE-54A	EPA Method 8260, TIC, Category B Deliverable, TCLP EPA Method 8270 B/N, TIC, Category B Deliverable
Remedial Excavation	RE-55A	EPA Method 8260, TIC, Category B Deliverable, TCLP EPA Method 8270 B/N, TIC, Category B Deliverable
Remedial Excavation	RE-58A	EPA Method 8260, TIC, Category B Deliverable, TCLP EPA Method 8270 B/N, TIC, Category B Deliverable
Remedial Excavation	RE-58A (Dup)	EPA Method 8260, TIC, Category B Deliverable, TCLP EPA Method 8270 B/N, TIC, Category B Deliverable
MW-7	S-4	EPA Method 8260, TIC, Category B Deliverable, TCLP EPA Method 8270 B/N, TIC, Category B Deliverable
MW-8	S-5	EPA Method 8260, TIC, Category B Deliverable, TCLP EPA Method 8270 B/N, TIC, Category B Deliverable
MW-9	S-4	EPA Method 8260, TIC, Category B Deliverable, TCLP EPA Method 8270 B/N, TIC, Category B Deliverable
MW-9	S-4 (Dup)	EPA Method 8260, TIC, Category B Deliverable, TCLP EPA Method 8270 B/N, TIC, Category B Deliverable

Notes:
1. TCLP = Toxicity Characteristic Leaching Procedure
2. B/N = Base Neutrals

TABLE 2

Summary of Monitoring Well Construction Details
Ground Water Monitoring Program
New Paltz Plaza

Well ID	Boring Total Depth (ft.)	Screen/Open Hole Interval (ft.)	Sand Pack Interval (ft.)
MW-6	7.7	3.1 - 7.1	2.6 - 7.7
BR-1	20.0	10.1 - 20.0	NA
MW-7	10.0	3.3 - 9.3	2.5 - 10.0
BR-2	19.5	9.2 - 19.5	NA
MW-8	11.5	4.3 - 10.8	3.8 - 11.5
MW-9	11.9	4.0 - 11.0	3.0 - 11.9
BR-3	23.5	13.2 - 23.5	NA

Notes:
1. MW wells are overburden, 2" I.D.
2. BR wells are open hole bedrock, 4" O.D.
3. NA = Not Applicable

TABLE 3

Summary of Ground Water Sample
Laboratory Analytical Methods
Ground Water Monitoring Program
New Paltz Plaza

Well/Sample ID	Analytical Method
MW-1	EPA Method 8260, TIC, Category B Deliverable
MW-2	EPA Method 8260, TIC, Category B Deliverable, EPA Method 8270 B/N, TIC, Category B Deliverable
MW-2 (Dup)	EPA Method 8260, TIC, Category B Deliverable, EPA Method 8270 B/N, TIC, Category B Deliverable
MW-3	EPA Method 8260, TIC, Category B Deliverable, EPA Method 8270 B/N, TIC, Category B Deliverable
MW-4	EPA Method 8260, TIC, Category B Deliverable, EPA Method 8270 B/N, TIC, Category B Deliverable
MW-6	EPA Method 8260, TIC, Category B Deliverable, EPA Method 8270 B/N, TIC, Category B Deliverable
MW-7	EPA Method 8260, TIC, Category B Deliverable
MW-8	EPA Method 8260, TIC, Category B Deliverable
MW-9	EPA Method 8260, TIC, Category B Deliverable
BR-1	EPA Method 8260, TIC, Category B Deliverable, EPA Method 8270 B/N, TIC, Category B Deliverable
BR-2	EPA Method 8260, TIC, Category B Deliverable
BR-3	EPA Method 8260, TIC, Category B Deliverable

Notes:
1. B/N = base neutrals.
2. Matrix spike and matrix spike duplicate samples were analyzed from well MW-4.
3. Dup = Duplicate Sample
4. TIC = Tentatively Identified Compound

Table 4
Summary of GC and Laboratory Analytical Results
Remedial Excavation Program
New Paltz Plaza

Sampling Date	Sample Number	Analysis Method	Benzene	Toluene	Ethylbenzene	M&P Xylene	O Xylene
12/2/97	RE-1B	GC	<50	<50	<50	<50	<50
12/2/97	RE-2B	GC	<50	<50	<50	<50	<50
12/2/97	RE-3B	GC	<50	<50	<50	<50	<50
12/2/97	RE-4B	Lab	*<1.1*	*<1.1*	*<1.1*	*<1.1*	*<1.1*
		GC	<50	<50	<50	<50	<50
12/2/97	RE-5B	GC	<50	<50	<50	<50	<50
12/2/97	RE-6B	GC	<50	<50	<50	<50	<50
12/2/97	RE-7B	GC	<50	<50	<50	<50	<50
12/2/97	RE-8B	GC	<50	<50	<50	<50	<50
12/3/97	RE-9B	Lab	*<140*	*<140*	*260*	*170*	*100*
		GC	<50	**58**	**147**	**348**	<50
12/3/97	RE-9B Dup	Lab	*<140*	*<140*	*260*	*170*	*130*
		GC	<50	<50	**230**	**457**	<50
12/3/97	RE-10B	GC	<50	**57**	**102**	**302**	<50
12/3/97	RE-11B	GC	<50	<50	<50	**547**	<50
12/3/97	RE-12B	GC	<50	**53**	<50	**161**	<50
12/3/97	RE-13B	GC	<50	<50	<50	<50	<50
12/3/97	RE-14B	Lab	*<1.1*	*<1.1*	*<1.1*	*<1.1*	*<1.1*
		GC	<50	<50	<50	<50	<50
12/3/97	RE-15B	GC	<50	<50	<50	<50	<50

Sampling Date	Sample Number	Analysis Method	Benzene	Toluene	Ethylbenzene	M&P Xylene	O Xylene
12/3/97	RE-16B	GC	<50	<50	<50	<50	<50
12/3/97	RE-17B	GC	<50	<50	<50	<50	<50
12/3/97	RE-17B Dup	GC	<50	<50	<50	<50	<50
12/3/97	RE-18B	GC	<50	<50	<50	<50	<50
12/3/97	RE-19B	GC	<50	**61**	**78**	**329**	<50
12/3/97	RE-20B	GC	<50	**63**	**151**	**417**	**70**
12/3/97	RE-21B	GC	<50	<50	<50	<50	<50
12/3/97	RE-22B	Lab	*<5.7*	*<5.7*	*48*	*49*	*10*
		GC	<50	<50	<50	**73**	<50
12/4/97	RE-23B	GC	<50	<50	<50	<50	<50
12/4/97	RE-24B	GC	<50	<50	<50	<50	<50
12/4/97	RE-25B	Lab	*<1.1*	*<1.1*	*<1.1*	*<1.1*	*<1.1*
		GC	<50	<50	<50	<50	<50
12/4/97	RE-26B	GC	<50	<50	**65**	**303**	<50
12/4/97	RE-27B	GC	<50	<50	<50	**350**	<50
12/4/97	RE-28B	GC	<50	<50	<50	**114**	<50
12/5/97	RE-29B	GC	<50	<50	<50	<50	<50
12/5/97	RE-29E Dup	GC	<50	<50	<50	<50	<50
12/5/97	RE-30B	Lab	*<1.2*	*<1.2*	*<1.2*	*<1.2*	*<1.2*
		GC	<50	<50	<50	<50	<50
12/5/97	RE-31B	GC	<50	<50	<50	<50	<50
12/5/97	RE-32B	GC	<50	<50	<50	<50	<50

Sampling Date	Sample Number	Analysis Method	Benzene	Toluene	Ethylbenzene	M&P Xylene	O Xylene
12/8/97		Lab	<1.1	<1.1	<1.1	<1.1	<1.1
	RE-33B	GC	<50	<50	<50	<50	<50
12/8/97	RE-34B	GC	<50	<50	<50	177	<50
12/8/97	RE-35B	GC	<50	<50	672	499	<50
12/8/97	RE-36B	GC	<50	<50	<50	<50	<50
12/8/97	RE-37B	GC	<50	<50	<50	<50	<50
12/8/97	RE-38B	GC	<50	<50	<50	<50	<50
12/8/97	RE-39B	GC	<50	<50	<50	97	<50
12/8/97	RE-39B Dup	GC	<50	<50	<50	199	<50
12/8/97	RE-40B	GC	<50	<50	<50	<50	<50
12/8/97		Lab	<5.6	<5.6	10	23	<5.6
	RE-41B	GC	<50	<50	53	<50	<50
12/8/97	RE-42B	GC	<50	85	980	1043	<50
12/8/97		Lab	<5.7	<5.7	11	8.7	<5.7
	RE-43B	GC	<50	63	<50	123	<50
12/9/97	RE-44B	GC	<50	<50	<50	<50	<50
12/9/97	RE-45B	GC	<50	<50	<50	<50	<50
12/9/97	RE-46B	GC	<50	<50	<50	86	<50
12/9/97		Lab	<1.2	<1.2	0.8	0.8	1.2
	RE-47B	GC	<50	<50	<50	<50	<50
12/9/97	RE-48B	GC	<50	<50	<50	<50	<50
12/9/97		Lab	<5.7	<5.7	<5.7	<5.7	<5.7
	RE-49B	GC	<50	<50	<50	57	<50
12/9/97	RE-49Dup	GC	<50	<50	<50	<50	<50

Sampling Date	Sample Number	Analysis Method	Benzene	Toluene	Ethylbenzene	M&P Xylene	O Xylene
12/9/97	RE-50B	GC	<50	<50	<50	<50	<50
12/10/97	RE-51B	GC	<50	<50	<50	<50	<50
12/10/97	RE-52B	GC	<50	<50	<50	<50	<50
12/11/97	RE-53B	GC	<50	<50	**78**	**154**	<50
12/11/97	RE-54B	Lab	*<1.2*	*<1.2*	*<1.2*	*<1.2*	*<1.2*
		GC	<50	<50	<50	<50	<50
12/11/97	RE-55B	Lab	*<1.1*	*<1.1*	*<1.1*	*<1.1*	*<1.1*
		GC	<50	<50	<50	<50	<50
12/11/97	RE-56B	GC	<50	<50	**143**	**274**	<50
12/11/97	RE-57B	GC	<50	<50	<50	<50	<50
12/11/97	RE-58B	Lab	*<1.2*	*<1.2*	*<1.2*	*0.8*	*<1.2*
		GC	<50	<50	<50	<50	<50
12/11/97	RE-58B Dup	Lab	*<1.2*	*<1.2*	*<1.2*	*<1.2*	*<1.2*
		GC	<50	<50	<50	<50	<50
12/12/97	RW-1	GC	**1.7**	**7.1**	**4**	**13.6**	**3.3**

Notes:
1. All results are in micrograms per kilogram (parts per billion)
3. Laboratory analytical results shown for GC-target parameters only. See Table 1 for complete summary of the laboratory analytical methods.

d:/.../npplaza/gcresult/gctable.xls

TABLE 5

Summary of Soil Post-Excavation Sample Results[1]
New Paltz Plaza

Compound	RE-9A[2] (5.5')	RE-22A[3] (6'-8')	RE-25B[2] (2'-3')	RE-28B[4] (8')	RE-30A[3] (5')	RE-32B[4] (3.5')	RE-38B[4] (3')	RE-40B[4] (5')	NYSDEC Alternative Guidance Values
Volatile Organics									
Benzene	<140	<5.7	<1.1	<50	<1.2	<50	<50	<50	14
Toluene	<140	<5.7	<1.1	<50	<1.2	<50	<50	<50	100
Ethylbenzene	260	48	<1.1	<50	<1.2	<50	<50	<50	100
Mixed Xylenes	270	59	<1.1	114	<1.2	<50	<50	<50	100
Isopropylbenzene	550	120	<1.1	NA	<1.2	NA	NA	NA	100
n-Propylbenzene	920	<5.7	<1.1	NA	<1.2	NA	NA	NA	100
p-Isopropyltoluene	700	150	<1.1	NA	<1.2	NA	NA	NA	100
1,2,4-Trimethylbenzene	3900	930	<1.1	NA	<1.2	NA	NA	NA	100
1,3,5-Trimethylbenzene	1500	320	<1.1	NA	<1.2	NA	NA	NA	100
n-Butylbenzene	2000	420	<1.1	NA	<1.2	NA	NA	NA	100
sec-Butylbenzene	1300	270	<1.1	NA	<1.2	NA	NA	NA	100
t-Butylbenzene	<140	<5.7	<1.1	NA	<1.2	NA	NA	NA	100
Semi-Volatile Organics									
Anthracene	NA	ND	NA	NA	ND	NA	NA	NA	1,000
Fluorene	NA	4J	NA	NA	ND	NA	NA	NA	1,000
Phenanthrene	NA	5J	NA	NA	ND	NA	NA	NA	1,000
Pyrene	NA	ND	NA	NA	ND	NA	NA	NA	1,000
Acenaphthene	NA	3	NA	NA	ND	NA	NA	NA	400
Benzo(a)anthracene	NA	ND	NA	NA	ND	NA	NA	NA	0.04
Fluoranthene	NA	ND	NA	NA	ND	NA	NA	NA	1,000
Benzo(b)fluoranthene	NA	ND	NA	NA	ND	NA	NA	NA	0.04
Benzo(k)fluoranthene	NA	ND	NA	NA	ND	NA	NA	NA	0.04
Chrysene	NA	ND	NA	NA	ND	NA	NA	NA	0.04
Benzo(a)pyrene	NA	ND	NA	NA	ND	NA	NA	NA	0.04
Benzo(g,h,i)perylene	NA	ND	NA	NA	ND	NA	NA	NA	0.04
Indeno(1,2,3-cd)pyrene	NA	ND	NA	NA	ND	NA	NA	NA	0.04
Dibenz(a,h)anthracene	NA	ND	NA	NA	ND	NA	NA	NA	1,000
Naphthalene	NA	6J	NA	NA	ND	NA	NA	NA	200

Notes:
All results are in micrograms per kilogram (µ/kg).
J = estimated value
ND = Not detected at or above the laboratory practical quantitation limit.
NA = Not analyzed for these compounds.

[1] Method 8260 Non-Petroleum Compounds Excluded
[2] Sample Analyzed by EPA Method 8260, TICs, Category B Deliverables
[3] Sample Analyzed by EPA Methods 8260 and 8270 B/N, TICs, Category B Deliverables
[4] Sample Analyzed by Field Gas Chromatograph for BTEX Compounds

TABLE 5

Summary of Soil Post-Excavation Sample Results[1]
New Paltz Plaza

Compound	RE-41A[3] (5')	RE-42B[4] (5.5' - 6')	RE-47B[2] (6.5')	RE-50B[4] (7')	RE-52B[4] (0' - 2')	RE-54B[3] (6'-8')	RE-55B[3] (4'-7')	RE-58B[3] (7.5')	RE-58B Dup[3] (7.5')	NYSDEC Alternative Guidance Values
Volatile Organics										
Benzene	<5.6	<50	<1.2	<50	<50	<1.2	<1.1	<1.2	<1.2	14
Toluene	<5.6	85	<1.2	<50	<50	<1.2	<1.1	<1.2	<1.2	100
Ethylbenzene	10	980	0.8	<50	<50	<1.2	<1.1	<1.2	<1.2	100
Mixed Xylenes	23	1043	2.0	<50	<50	<1.2	<1.1	0.8	<1.2	100
Isopropylbenzene	20	NA	3.5	NA	NA	<1.2	<1.1	<1.2	0.9	100
n-Propylbenzene	21	NA	5.2	NA	NA	<1.2	<1.1	0.7	1.4	100
p-Isopropyltoluene	88	NA	4.1	NA	NA	<1.2	<1.1	0.9	1.1	100
1,2,4-Trimethylbenzene	880	NA	18.0	NA	NA	<1.2	<1.1	4.2	4.7	100
1,3,5-Trimethylbenzene	560	NA	7.4	NA	NA	<1.2	<1.1	1.3	1.3	100
n-Butylbenzene	450	NA	18.0	NA	NA	<1.2	<1.1	3.1	6.4	100
sec-Butylbenzene	<5.6	NA	13.0	NA	NA	<1.2	<1.1	2.4	4.8	100
t-Butylbenzene	<5.6	NA	<1.2	NA	NA	<1.2	<1.1	<1.2	<1.2	100
Semi-Volatile Organics										
Anthracene	1000J	NA	NA	NA	NA	ND	ND	ND	ND	1,000
Fluorene	4400	NA	NA	NA	NA	ND	ND	ND	ND	1,000
Phenanthrene	5700	NA	NA	NA	NA	ND	ND	1J	1J	1,000
Pyrene	2300J	NA	NA	NA	NA	ND	ND	ND	ND	1,000
Acenaphthene	ND	NA	NA	NA	NA	ND	ND	ND	ND	400
Benzo(a)anthracene	ND	NA	NA	NA	NA	ND	ND	ND	ND	0.04
Fluoranthene	ND	NA	NA	NA	NA	ND	ND	ND	ND	1,000
Benzo(b)fluoranthene	ND	NA	NA	NA	NA	ND	ND	ND	ND	0.04
Benzo(k)fluoranthene	ND	NA	NA	NA	NA	ND	ND	ND	ND	0.04
Chrysene	ND	NA	NA	NA	NA	ND	ND	ND	ND	0.04
Benzo(a)pyrene	ND	NA	NA	NA	NA	ND	ND	ND	ND	0.04
Benzo(g,h,i)perylene	ND	NA	NA	NA	NA	ND	ND	ND	ND	0.04
Indeno(1,2,3-cd)pyrene	ND	NA	NA	NA	NA	ND	ND	ND	ND	0.04
Dibenz(a,h)anthracene	ND	NA	NA	NA	NA	ND	ND	ND	ND	1,000
Naphthalene	ND	NA	NA	NA	NA	ND	ND	ND	ND	200

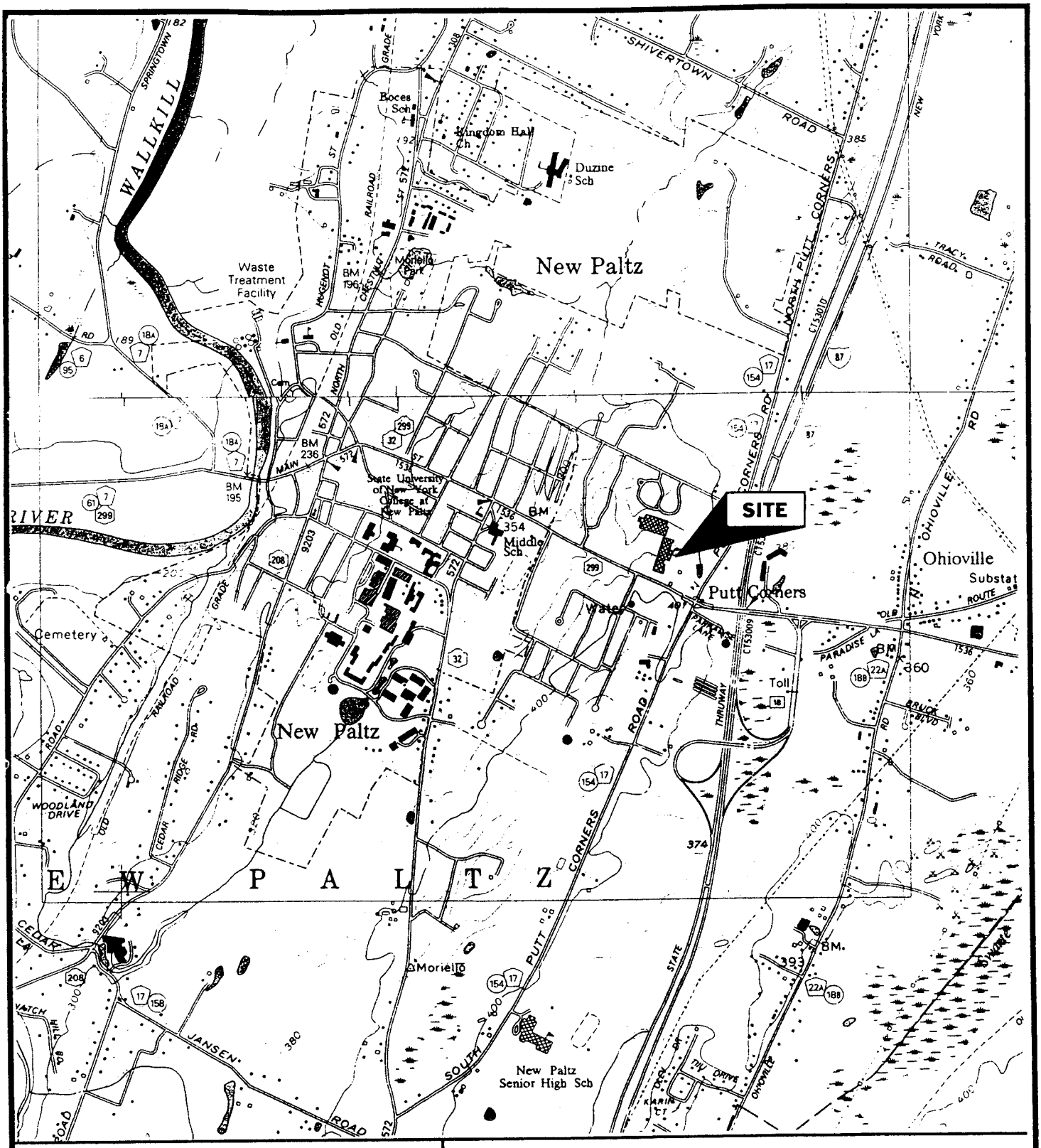
Notes:
All results are in micrograms per kilogram (µ/kg).
J = estimated value
ND = Not detected at or above the laboratory practical quantitation limit.
NA = Not analyzed for these compounds.

1) Method 8260 Non-Petroleum Compounds Excluded
2) Sample Analyzed by EPA Method 8260, TICs, Category B Deliverables
3) Sample Analyzed by EPA Methods 8260 and 8270 B/N, TICs, Category B Deliverables
4) Sample Analyzed by Field Gas Chromatograph for BTEX Compounds

TABLE 6
Ground Water Elevations
Ground Water Monitoring Program
New Paltz Plaza

		Jan. 20, 1998		Feb. 27, 1998	
Well ID	Measuring Point Elevation	Depth to Water (ft.)	Water Level Elevation	Depth to Water (ft.)	Water Level Elevation
MW-1	97.90	1.57	96.33	1.42	96.48
MW-2	97.31	3.36	93.95	3.03	94.28
MW-3	97.62	2.65	94.97	2.44	95.18
MW-4	95.70	2.35	93.35	1.93	93.77
MW-6	96.90	3.23	93.67	3.07	93.83
MW-7	94.95	1.79	93.16	1.18*	93.77*
MW-8	94.42	3.30	91.12	3.02	91.4
MW-9	92.04	3.64	88.40	3.54	88.5
BR-1	96.78	3.18	93.60	2.82	93.96
BR-2	94.95	2.07	92.88	1.62	93.33
BR-3	91.77	3.49	88.28	3.12	88.65

Notes:
1. Measuring point elevations are from 1/20/98 survey data.
2. * - MW-7 water level suspect, expandable was off the well, surfce water running into well.



Clintondale and Rosendale
Quadrangles
New York State
Department of Transportation
7.5 Minute Series

SCALE:
2000 FT

ALPHA
GEOSCIENCE

FIGURE 1
SITE LOCATION MAP

New Paltz Plaza
New Paltz, New York

Project No. 95141

REVONAK

NEW PALTZ PLAZA

STAIRWELL & DRAIN (TYP)

REMEDIAL EXCAVATION

TP-9

TP-16

TP-14E

TP-14

TP-17

TP-10

MH-3

MH-4

CB

FORMER TANK EXCAVATION STONE BACKFILL

utility pole

0 5

SCALE IN FEET

LEGEND

- SEWER LINE
- WATER SERVICE (1", 1-1/2")
- WATER MAIN (6")
- 12/1-12/97 EXCAVATION LIMITS
- CATCH BASIN – MANHOLE
- TEST PITS 2/4 – 13/97

ALPHA GEOSCIENCE

FIGURE 2

EXTENT OF REMEDIAL EXCAVATION

NEW PALTZ PLAZA

PROJECT 95141 NEW PALTZ, NY

95141-04.DWG

REVONAK

NEW PALTZ PLAZA

STAIRWELL & DRAIN (TYP)

REMEDIAL EXCAVATION

TP-9

TP-16

TP-10

TP-14E

TP-14

TP-17

MH-3

MH-4

CB

utility pole

FORMER TANK EXCAVATION STONE BACKFILL

RE-1 RE-2 RE-3 RE-4 RE-5 RE-6 RE-7 RE-8 RE-9 RE-10 RE-11 RE-12 RE-13 RE-14 RE-15 RE-16 RE-17 RE-18 RE-19 RE-20 RE-21 RE-22 RE-23 RE-24 RE-25 RE-26 RE-27 RE-28 RE-29 RE-30 RE-31 RE-32 RE-33 RE-34 RE-35 RE-36 RE-37 RE-38 RE-39 RE-40 RE-41 RE-42 RE-43 RE-44 RE-45 RE-46 RE-47 RE-48 RE-49 RE-50 RE-51 RE-52 RE-53 RE-54 RE-55 RE-56 RE-57 RE-58

0 5

SCALE IN FEET

LEGEND

- SEWER LINE
- WATER SERVICE (1", 1-1/2")
- WATER MAIN (6")
- 12/1-12/97 EXCAVATION LIMITS
- RE-52 SOIL SAMPLE DESIGNATION AND LOCATION
- CATCH BASIN - MANHOLE
- TEST PITS 2/4 - 13/97

ALPHA GEOSCIENCE

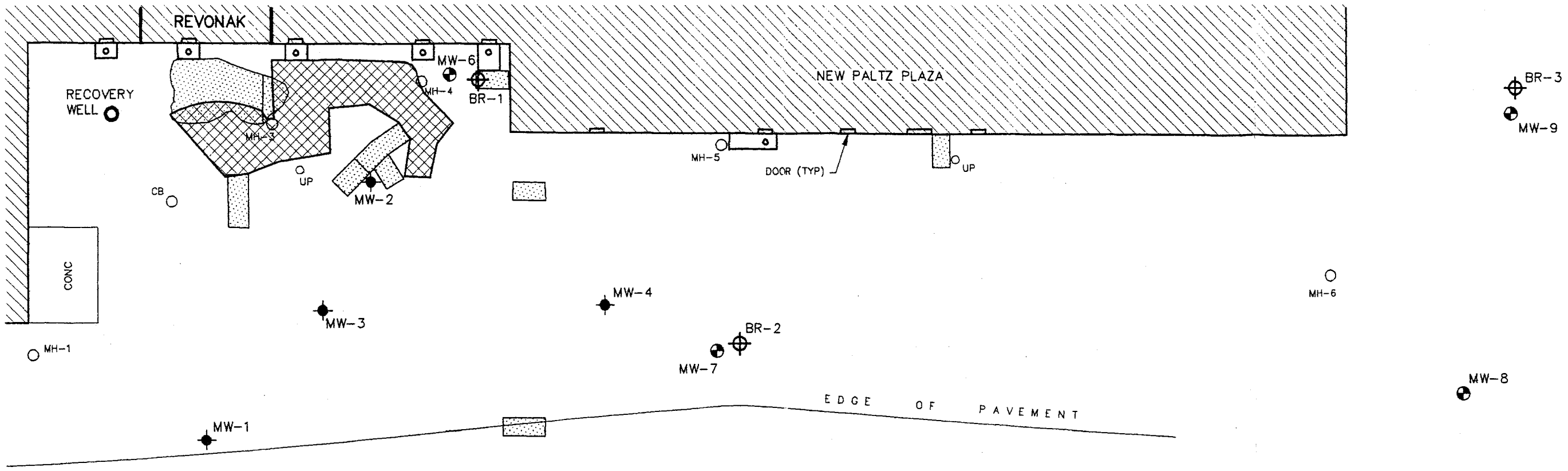
FIGURE 3

REMEDIAL EXCAVATION SOIL SAMPLING MAP

NEW PALTZ PLAZA

PROJECT 95141 NEW PALTZ, NY

95141-04.DWG



LEGEND

MW-1	MONITORING WELL
BR-1	BEDROCK MONITORING WELL
MW-7	OVERBURDEN MONITORING WELL
	COMPLETED TEST PIT EXCAVATION (FEBRUARY 1997)
	REMEDIAL EXCAVATION AREA (DECEMBER 1997)
	STAIRWELL WITH DRAIN
UP	UTILITY POLE
MH-2	MANHOLE

0 25

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 4
MONITORING WELL LOCATION MAP
NEW PALTZ PLAZA

PROJECT 95141 NEW PALTZ, NY

95141-05.DWG

REVONAK

NEW PALTZ PLAZA

STAIRWELL & DRAIN (TYP)

RE-9

RE-9A
LAB
5.5'
530
12,070
NA

RE-22

RE-22A
LAB
6'-8'
107
1,211
18

RE-28B
GC
8'
114
NA
NA

RE-28

REMEDIAL EXCAVATION

RE-30

RE-30A
LAB
5'
<1.2
4.2
ND

MH-4

RE-42B
GC
5.5'-6'
2,108
NA
NA

RE-42

RE-38

RE-38B
GC
3'
<50
NA
NA

TP-9

RE-58B	RE-58B DUPLICATE
LAB	LAB
7.5'	7.5'
0.8	<1.2
35.5	41.7
1	1

RE-58

TP-16

MH-3

RE-25B
LAB
2'-3'
<1.1
2.3
NA

RE-25

RE-41A
LAB
5'
33
2,242
13,400

RE-41

FORMER TANK EXCAVATION STONE BACKFILL

RE-40B
GC
5'
<50
NA
NA

RE-40

RE-32B
GC
3.5'
<50
NA
NA

RE-32

RE-54B
LAB
6'-8'
<1.2
17.6
NA

RE-54

RE-55B
LAB
4'-7'
<1.1
2.9
NA

RE-55

RE-52B
GC
0'-2'
<50
NA
NA

RE-52

TP-10

utility pole

TP-14E

TP-14

TP-17

RE-47

RE-47B
LAB
6.5'
2.8
159.2
NA

RE-50

RE-50B
GC
7'
<50
NA
NA

CB

0 5

SCALE IN FEET

LEGEND

SAMPLE NO.
LAB (OR GC)
DEPTH (FT.)
TOTAL BTEX
TOTAL 8260
TOTAL 8270 B/N

ALL RESULTS ARE IN MICROGRAMS PER KILOGRAM (ug/kg)
NA = NOT ANALYZED BY THIS METHOD
ND = NOT DETECTED

12/1-12/97 EXCAVATION LIMITS

CATCH BASIN - MANHOLE

RE-52 SOIL SAMPLE DESIGNATION AND LOCATION

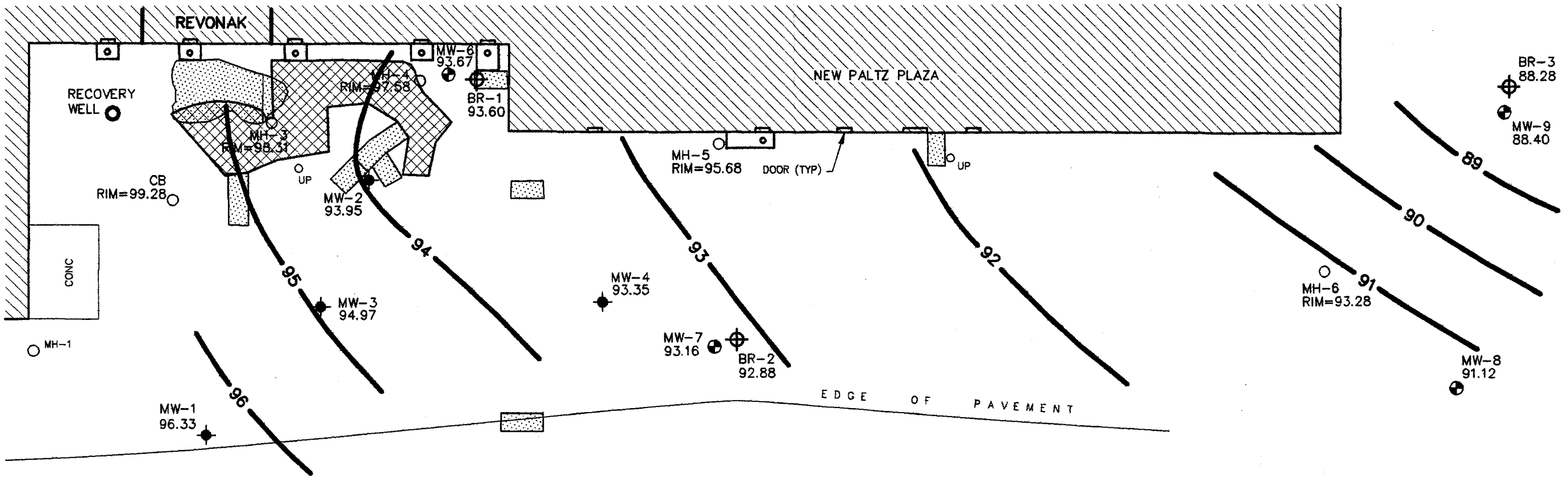
TEST PITS 2/4 - 13/97

ALPHA GEOSCIENCE

FIGURE 5
POST EXCAVATION SAMPLE LOCATIONS
NEW PALTZ PLAZA

PROJECT 95141 NEW PALTZ, NY

95141-04.DWG



LEGEND

90	GROUND WATER CONTOUR
MW-1	MONITORING WELL
BR-1	BEDROCK MONITORING WELL
MW-7	OVERBURDEN MONITORING WELL
	COMPLETED TEST PIT EXCAVATION (FEBRUARY 1997)
	REMEDIAL EXCAVATION AREA (DECEMBER 1997)
	STAIRWELL WITH DRAIN
UP	UTILITY POLE
MH-2	MANHOLE

0 25

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

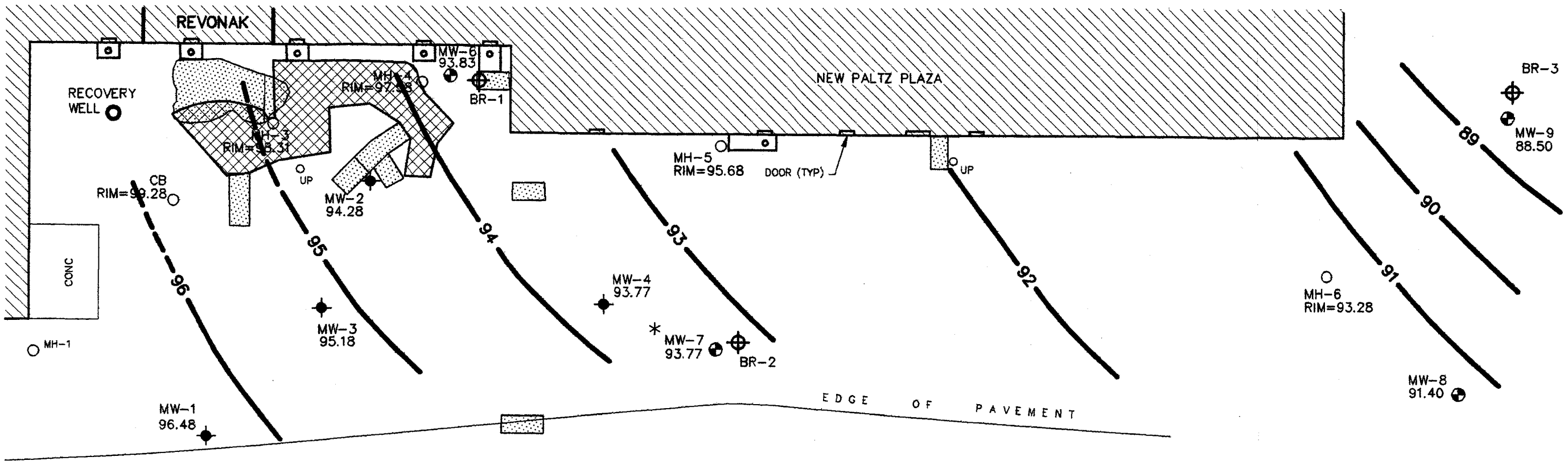
FIGURE 6

OVERBURDEN WELL GROUND WATER CONTOUR MAP

1/20/98 DATA

PROJECT 95141 NEW PALTZ, NY

95141-05.DWG



LEGEND

90	GROUND WATER CONTOUR
MW-1	MONITORING WELL
BR-1	BEDROCK MONITORING WELL
MW-7	OVERBURDEN MONITORING WELL
	COMPLETED TEST PIT EXCAVATION (FEBRUARY 1997)
	REMEDIAL EXCAVATION AREA (DECEMBER 1997)
	STAIRWELL WITH DRAIN
UP	UTILITY POLE
MH-2	MANHOLE

0 25

SCALE IN FEET

* WATER LEVEL SUSPECT, EXPANDABLE CAP WAS OFF WELL, SURFACE WATER RUNNING INTO WELL, MW-7 WATER LEVEL ELEVATION NOT USED TO CONTOUR.

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

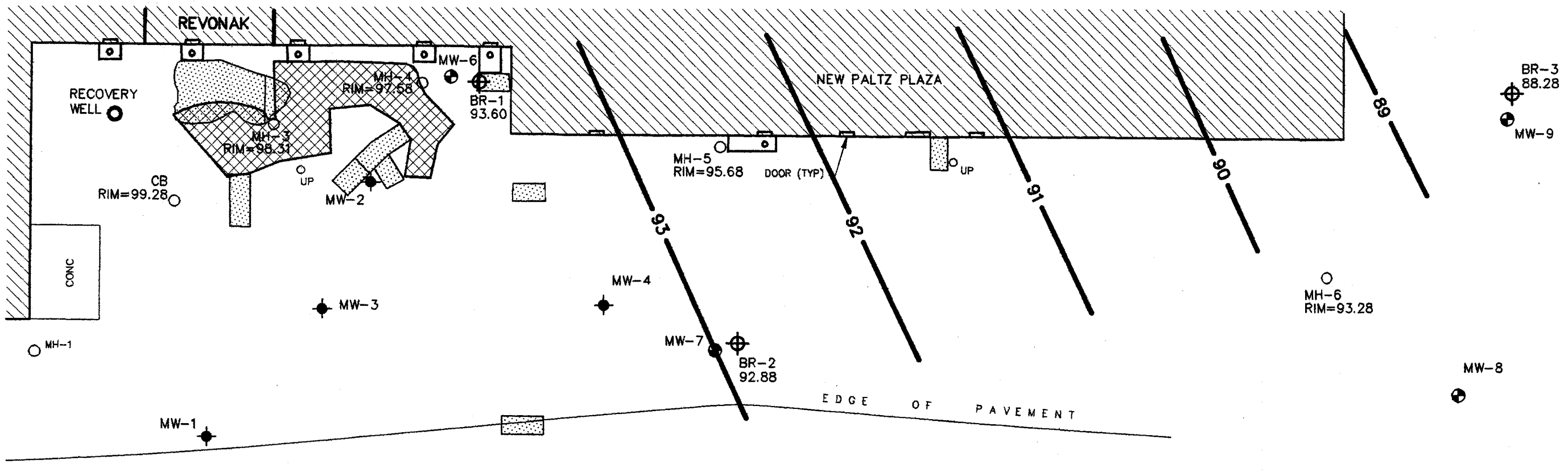
FIGURE 7

OVERBURDEN WELL GROUND WATER CONTOUR MAP

2/27/98 DATA

PROJECT 95141 NEW PALTZ, NY

95141-05.DWG



LEGEND

- 90 — GROUND WATER CONTOUR
- MW-1 — MONITORING WELL
- BR-1 — BEDROCK MONITORING WELL
- MW-7 — OVERBURDEN MONITORING WELL
- COMPLETED TEST PIT EXCAVATION (FEBRUARY 1997)
- REMEDIAL EXCAVATION AREA (DECEMBER 1997)
- STAIRWELL WITH DRAIN
- UP — UTILITY POLE
- MH-2 — MANHOLE

0 25

SCALE IN FEET

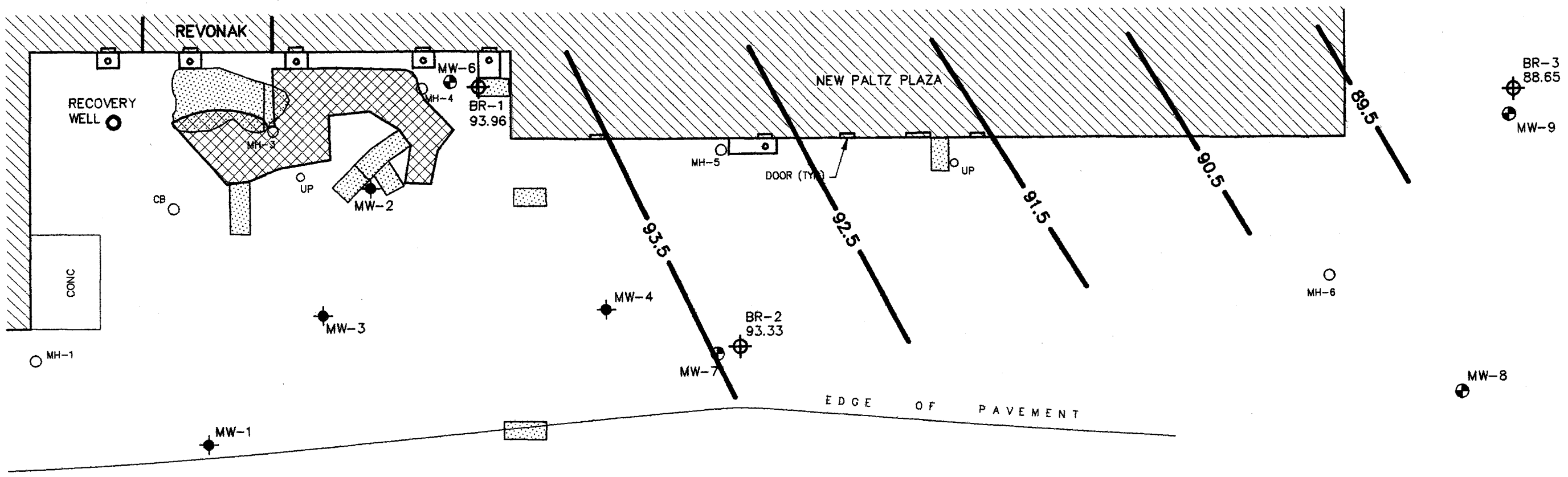
SOURCES: "SURVEY PREPARED FOR NEW PALTZ PLAZA ASSOCIATES" DATED 4/17/86 BY JOHN H. DIPPEL AND "GROUNDWATER CONTOUR MAP" DATED 9/91 BY ENVIRONMENTAL PRODUCTS & SERVICES, INC.

ALPHA GEOSCIENCE

FIGURE 8
BEDROCK GROUND WATER CONTOUR MAP
1/20/98 DATA

PROJECT 95141 NEW PALTZ, NY

95141-05.DWG



LEGEND

91.5	GROUND WATER CONTOUR
MW-1	MONITORING WELL
BR-1	BEDROCK MONITORING WELL
MW-7	OVERBURDEN MONITORING WELL
	COMPLETED TEST PIT EXCAVATION (FEBRUARY 1997)
	REMEDIAL EXCAVATION AREA (DECEMBER 1997)
	STAIRWELL WITH DRAIN
UP	UTILITY POLE
MH-2	MANHOLE

0 25

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 9

BEDROCK GROUND WATER CONTOUR MAP

2/27/98 DATA

PROJECT 95141 NEW PALTZ, NY

95141-05.DWG

APPENDIX A

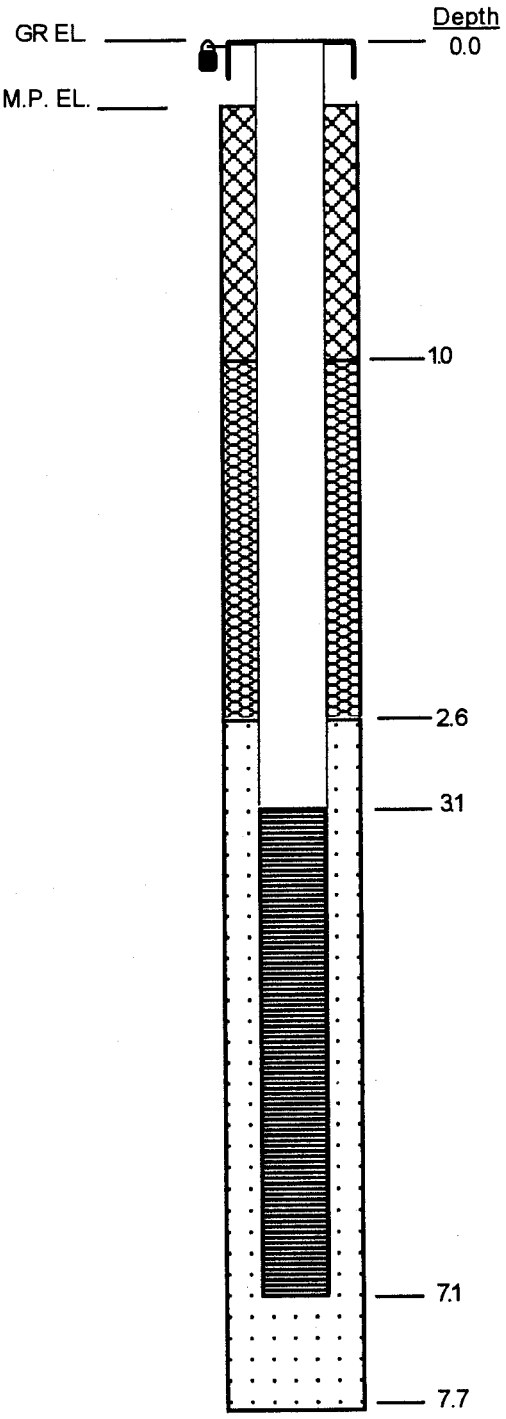
Monitoring Well Construction Logs

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 _____

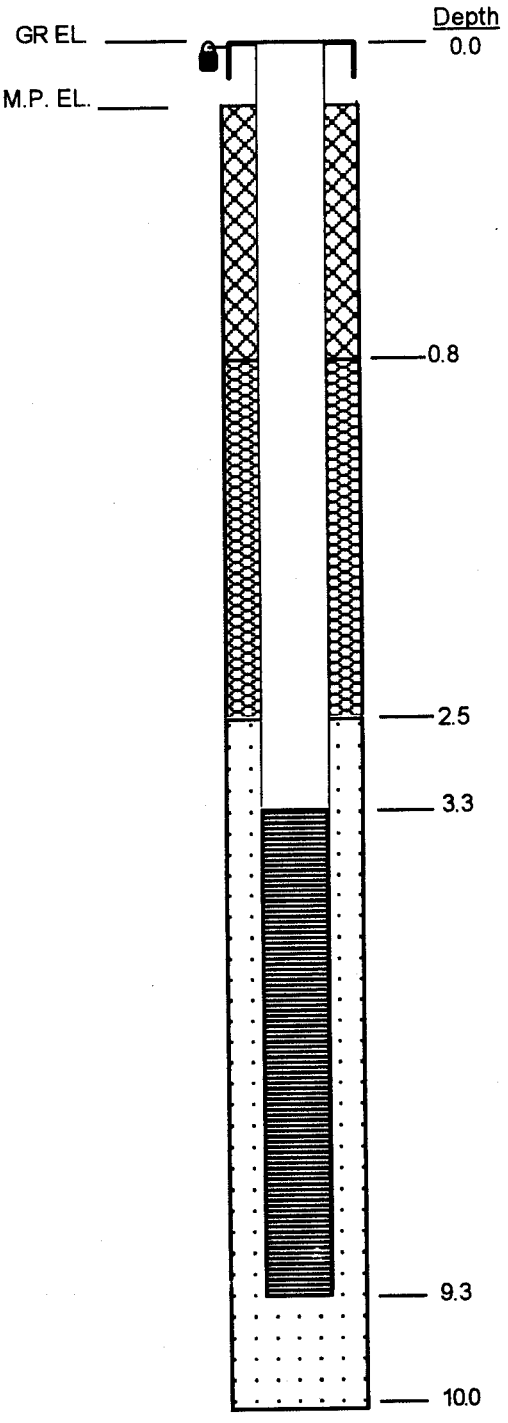
Notes:

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 _____

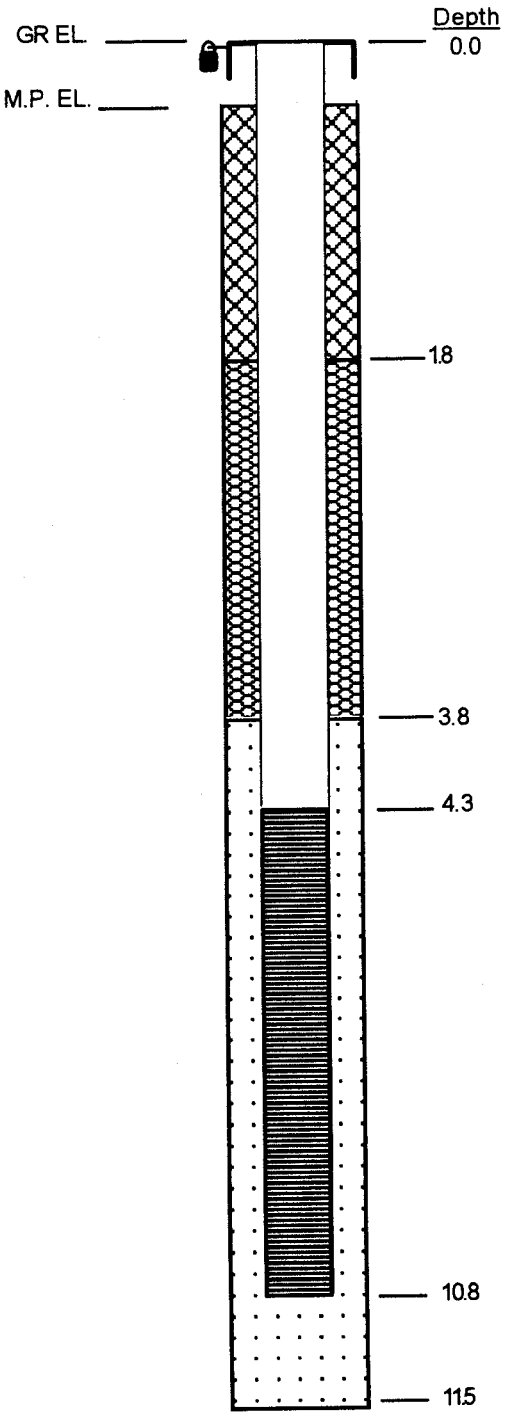
Notes:

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 _____

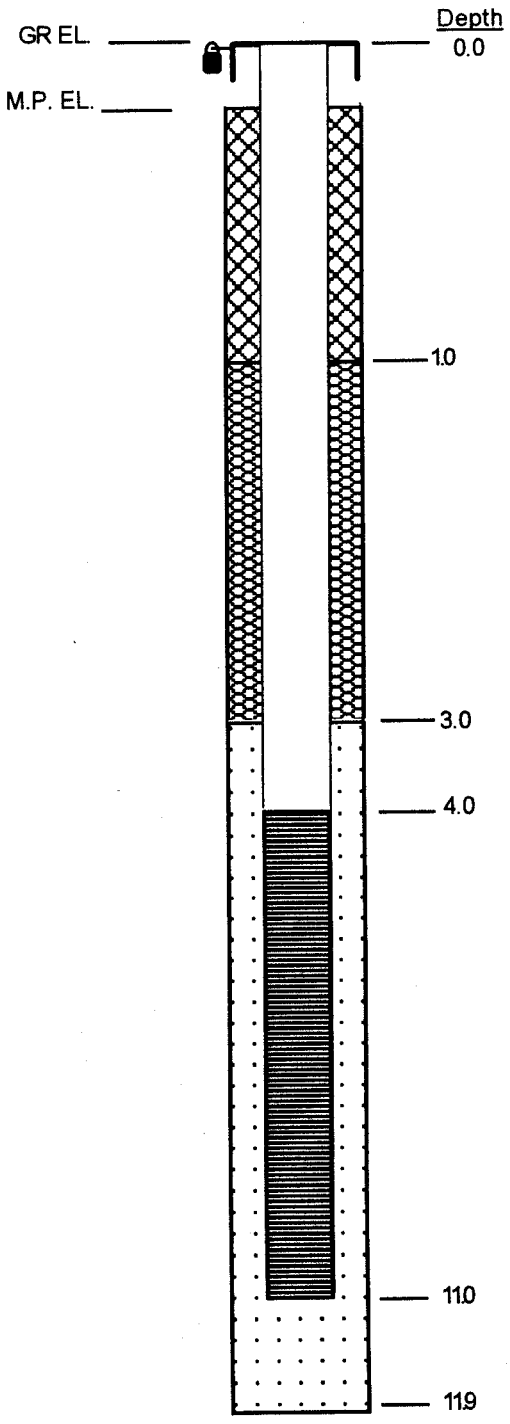
Notes:

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 _____

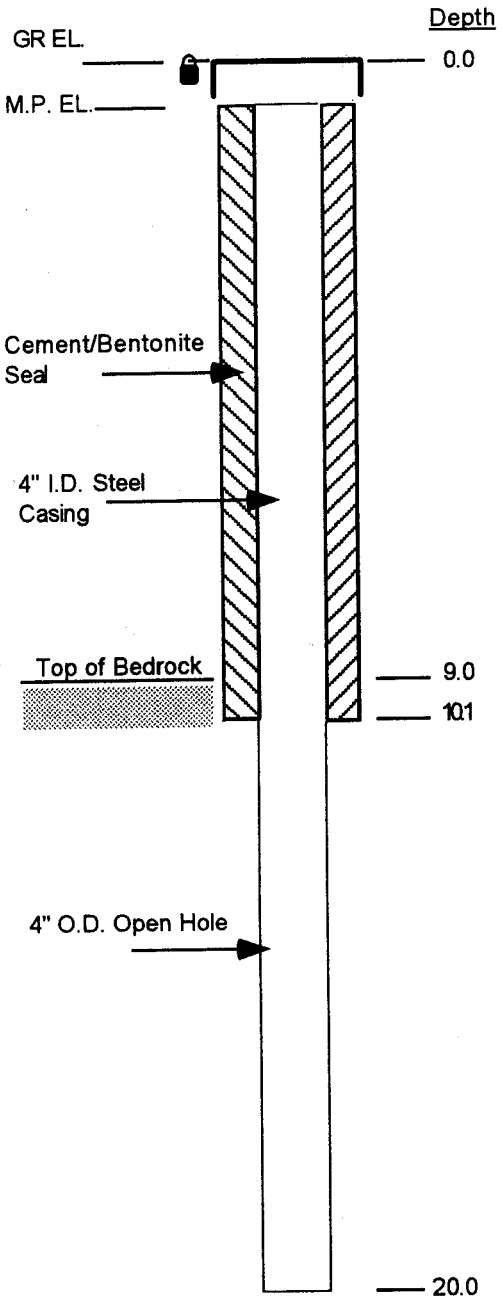
Notes:

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 _____

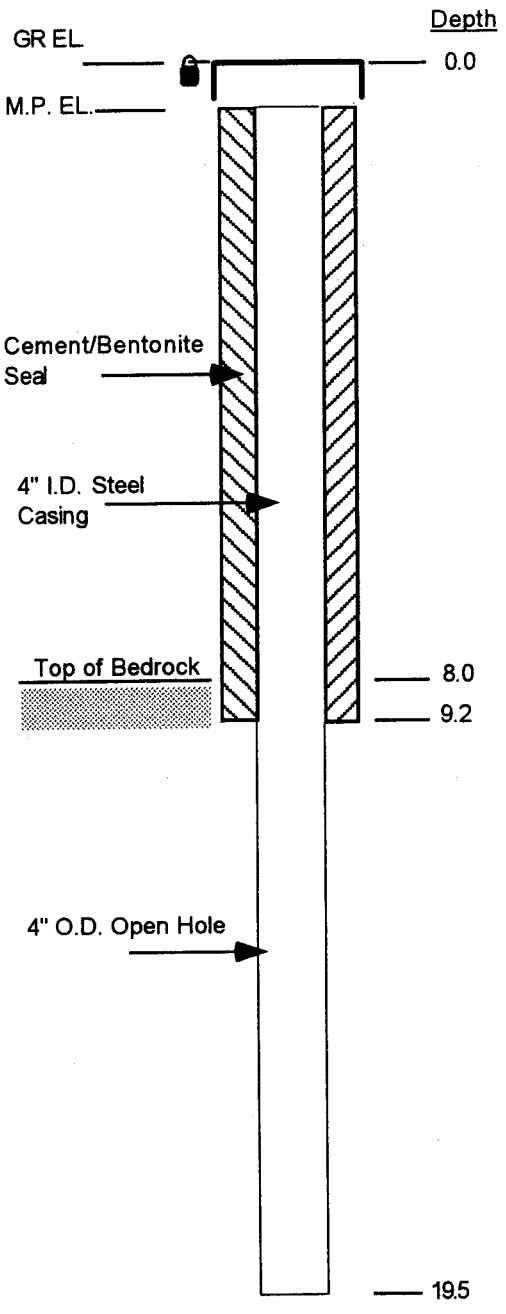
Notes: Flush mount road box protective casing

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 _____

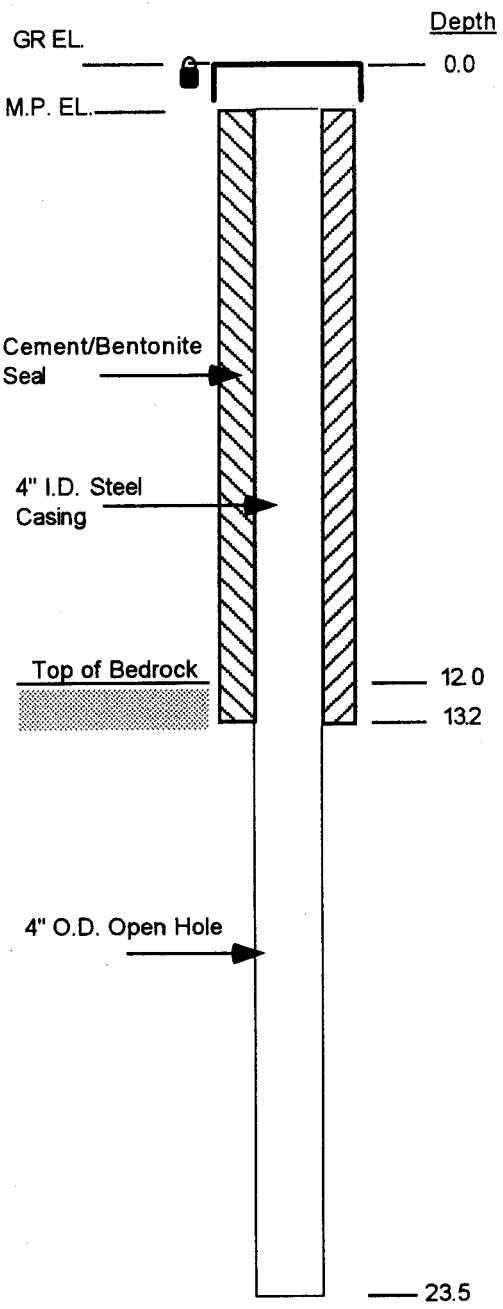
Notes: Flush mount road box protective casing

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 B

Boring Logs

Alpha Geoscience 400 Trillium Lane Albany, New York 12203	**DRILLING LOG**	**Boring ID: MW-6** 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: 1-9-98

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'		
2	S-1	6-10	0.6	Brown green mottled Clayey Silt, little medium fine Sand, trace medium fine Gravel		Moist
	S-2	5-9 8-12	1.0	Same as S-1		Moist
4	S-3	8-11 8-12	1.3	Brown Clayey Silt, some coarse (-) to fine Sand, some coarse to fine Gravel		Moist to wet
6	S-4	7-14 68-86	1.6	7.0' Brown Clayey Silt, little medium fine Sand, some coarse to fine Gravel; dense		Moist to nearly dry
8	S-5	26-37 44-50	1.4	Same as S-4		Moist
10				10.0' 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' Top of Bedrock End of Boring Total Depth = 11.5'		Refusal at 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' Top of Bedrock		Wet Refusal at 11.9'
12				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				No cuttings return 0 to 7 feet		Backfill of TP-11
4	NA	NA	NA			Wet ~5 to 6 feet
6				Brown coarse to fine Sand, and Clayey Silt		
8				Top of Bedrock 9.0'		
10						Air hammer from 9 to 20 feet
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					
20				Bottom of Boring at 19.5'		

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: 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

Page 2 of 2

Project Number/Name: 95141/New Paltz Plaza Location: North 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 C

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 LAMP: 10.2 eV
DATE INSTRUMENT CALIBRATED: Daily By: MSR
TEMPERATURE OF SOIL: NA

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
CLIENT: New Paltz Plaza Properties
LOCATION: New Paltz, N.Y.
INSTRUMENT USED: HNU DL-101 LAMP: 10.2 eV
DATE INSTRUMENT CALIBRATED: Daily By: MSR
TEMPERATURE OF SOIL: NA

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
12/5/97	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
CLIENT: New Paltz Plaza Properties
LOCATION: New Paltz, New York
INSTRUMENT USED: HNU DL-101 LAMP: 10.2 eV
DATE INSTRUMENT CALIBRATED: 1/5-7/98 By: MSR
TEMPERATURE OF SOIL: ~70°F

DATE COLLECTED: 1/5-7/98
DATE ANALYZED: 1/5-7/98
ANALYST: Michael S. Ralbovsky

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 D

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

		Sample	
Temperature	45.26 °F / 47.2 /	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[illegible]	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± of
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	1.66	Instrument
Turbidity	119.2	22.0	45.6	Instrument
Redox	NA			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	24.4	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± °F
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	2.03	3.80	3.70	1.75	Instrument
Turbidity	160	105	1198	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 good
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	7.29	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 ~~(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 volume

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°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 / 48.2 / 48.1	Instrument	
pH	7.25 / 6.64 / 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 today
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
Turbidity Low
Presence of NAPL None
Remarks —
Odor None
Sheen None
Other —

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
pH	11.53	11.45
Conductance	(4.18)	(3.61)
Turbidity	>200	134.8
Redox	nm	nm
Other	—	

Instrument —
Instrument —
Instrument —
Instrument —
Instrument —

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. Rajkowsky, 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. BR-3

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

WELL ID BR-3
DATE 1-20-98

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

PURGING INFORMATION
Depth to Water 3.49 Depth to Well Bottom 23.5 Ref. Elevation Top steel
Water Column Height 20.01 Well Casing Diameter 4" Openhole
Well Volume 13.0 Gals Purging Method Bailer
Actual Volume Evacuated Dry after 13 gal Purging Time-Start 11:25 Purging Time-Stop 11:48
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. Trader
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 1-12-98

GENERAL
Weather Conditions Sun 20± 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
Temperature 57.8
pH 12.30
Conductance 88
Turbidity mod/high
Redox nm
Other

Instrument Hydac
Instrument
Instrument
Instrument
Instrument

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 6.57
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 Orangeish
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	50.5 / 50.4	52.2	50.3	50.6
pH	13.10 / 10.90	8.82	8.49	8.39
Conductance	200	130	98	120
Turbidity	>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

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 F
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 ~~moderate~~ 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

Temperature	21.7	13.8	56.0	52.2	51.5
pH	10.26	10.27	9.90	8.03	8.09
Conductance	511	405	380	220	241
Turbidity	>200	>200	>200	>200	>200
Redox	NM				
Other				4 hr 1/2 well volume	

Hydac
Instrument
Instrument
Instrument
Instrument —
Instrument —

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°F
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	47.4	49.6	48.7	48.7	48.2
pH	9.35	9.23	8.75	8.74	9.24
Conductance	102	460	110	90	88
Turbidity	~~max~~ >200	>200	>200	>200	>200
Redox	N/A				
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	1302	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±0F
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± °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

	E	I	2	3	4	5
Temperature	53.0	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 624
Turbidity	7200	7201	7200	7202	7200	Instrument
Redox	NM					Instrument
Other	—					

REMARKS

APPENDIX E

Laboratory Analytical Summary Reports

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

1 of 1

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.

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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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

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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FAX (914) 562-0841

1E

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.					
17.					
18.					
19.					
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25.					
26.					
27.					
28.					
29.					
30.					

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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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-14A

ab Name:ENVIROTEST LABORATORIES Contract:95141

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

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

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

evel: (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
3.					
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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

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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

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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
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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
75-34-3	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

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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
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

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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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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
3.					
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Volatile Organics Analysis Data Sheet
Form I VOA
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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

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Volatile Organics Analysis Data Sheet
Form I VOA
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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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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
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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
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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

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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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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

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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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
ETL Sample Number: 179725-01
Client Name: ALPHA GEOSCIENCE
Project Name: STANDARD
% Solid: 90.4
Matrix: 3 Soil/Sldg
Sample Wt/Vol: 5g
Level: LOW

Date Collected: 08-DEC-97
Date Received: 08-DEC-97
Date Extracted:
Date Analyzed: 08-DEC-97
Report Date: 09-JAN-98
Column: DB-624
Lab File Id: V0901.D
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
Form I VOA
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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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1E

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.					
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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
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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

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

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Volatile Organics Analysis Data Sheet
Form I VOA
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Client ID: RE-43A
ETL Sample Number: 179725-03
Client Name: ALPHA GEOSCIENCE
Project Name: STANDARD
% Solid: 87.5
Matrix: 3 Soil/Sldg
Sample Wt/Vol: 1g
Level: LOW

Date Collected: 08-DEC-97
Date Received: 08-DEC-97
Date Extracted:
Date Analyzed: 08-DEC-97
Report Date: 09-JAN-98
Column: DB-624
Lab File Id: V0903.D
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
8260

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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

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
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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
8260

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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

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)

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

Number TICs Found: 22

	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
ETL Sample Number: 179778-02
Client Name: ALPHA GEOSCIENCE
Project Name: 95141
% Solid: 87.9
Matrix: 3 Soil/Sldg
Sample Wt/Vol: 1g
Level: LOW

Date Collected: 09-DEC-97
Date Received: 09-DEC-97
Date Extracted:
Date Analyzed: 09-DEC-97
Report Date: 12-JAN-98
Column: DB-624
Lab File Id: V0913.D
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
8260

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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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
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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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1E

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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

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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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	4800.	
91-57-6	2-Methylnaphthalene	3700.	U
77-47-4	Hexachlorocyclopentadiene	3700.	U
91-58-7	2-Chloronaphthalene	9300.	U
88-74-4	2-Nitroaniline	3700.	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	9300.	U
99-09-2	3-Nitroaniline	3700.	U
132-64-9	Dibenzofuran	3700.	U
121-14-2	2,4-Dinitrotoluene	4400.	
86-73-7	Fluorene	3700.	U
7005-72-3	4-Chlorophenyl-phenylether	3700.	U
84-66-2	Diethylphthalate	9300.	U
100-01-6	4-Nitroaniline	3700.	U
86-30-6	n-Nitrosodiphenylamine (1)	3700.	U
101-55-3	4-Bromophenyl-phenylether		

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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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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

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
21.					
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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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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
12.					
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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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1C

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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

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
12.					
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1B

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	1.	J
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
91-58-7	2-Chloronaphthalene	25.	U
88-74-4	2-Nitroaniline	10.	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	25.	U
99-09-2	3-Nitroaniline	10.	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	25.	U
100-01-6	4-Nitroaniline	10.	U
86-30-6	n-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether		

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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.					
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30.					

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Soil Boring Samples

Sample Data Summary Package

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

Envirotest
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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

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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: 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: 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

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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

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')	Date Collected	1/9/98
EnviroTest Lab No:	180782-02	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	V1167.D
Level:	Low	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')
ETL Sample Number: 180782-03
Client Name: ALPHA GEOSCIENCE
Project Name: 95141
% Solid: 87.3
Matrix: 3 Soil/Sldg
Sample Wt/Vol: 5g
Level: LOW

Date Collected: 09-JAN-98
Date Received: 09-JAN-98
Date Extracted:
Date Analyzed: 16-JAN-98
Report Date: 30-JAN-98
Column: DB-624
Lab File Id: V1165.D
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')
EnviroTest Lab No.: 180782-03
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: V1165.D
Dilution Factor: 1

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

FORM I - VOA

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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID: MW-9 S-4 (8'-10')(DUPE)
ETL Sample Number: 180782-04
Client Name: ALPHA GEOSCIENCE
Project Name: 95141
% Solid: 87.8
Matrix: 3 Soil/Sldg
Sample Wt/Vol: 5g
Level: LOW

Date Collected: 09-JAN-98
Date Received: 09-JAN-98
Date Extracted:
Date Analyzed: 16-JAN-98
Report Date: 30-JAN-98
Column: DB-624
Lab File Id: V1166.D
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
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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

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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

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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
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.					
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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	50.	U
127-18-4	Tetrachloroethene	5600.	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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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	170.	E
127-18-4	Tetrachloroethene	1.	U
108-90-7	Chlorobenzene		
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

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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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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	41.	D
79-01-6	Trichloroethene	5.	U
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	210.	D
127-18-4	Tetrachloroethene	5.	U
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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1A

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	41.	
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-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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1E

VOLATILE 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: 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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1A

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	93.	
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-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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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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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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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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

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	12.	
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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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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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)

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	130.	E
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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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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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)

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	0.6	J
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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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

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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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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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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

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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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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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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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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)

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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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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1B

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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1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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	25.	U
88-74-4	2-Nitroaniline	10.	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	25.	U
99-09-2	3-Nitroaniline	10.	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	25.	U
100-01-6	4-Nitroaniline	10.	U
86-30-6	n-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether		

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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.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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

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
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1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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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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.					
5.					
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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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EPA SAMPLE NO.

MW-6

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: 181202-05

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.					
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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

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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

1F

EPA SAMPLE NO.

SEMIVOLATILE 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: 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.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

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

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

315 Fullerton Avenue
Newburgh, NY 12550
Tel: (914) 562-0890
Fax: (914) 562-0841

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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

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.					
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26.					
27.					
28.					
29.					
30.					

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

APPENDIX F

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

1716532

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	2866 GALS.			
		3 PG III UN1993				
		(N018)				
		REC'D [signature]	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(a) 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.

304905-DO PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

3

ATTENTION SHIPPERS! FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT.

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

STYLE F60 LABELMASTER, An American Labelmark Co., Chicago, IL 60646 800/621-5808

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

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 lb		
	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

Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. ____

Carrier No. FM1038 NY

Page 1 of 1

NC 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 the 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 NC Environmental Services, Inc.

PER _____

DATE 2/28/97

3

Permanent post-office address of shipper.

304905-DO

PRINTED ON RECYCLED PAPER USING SOYBEAN INK — PRINTED WITH SOY INK

3

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. SEA-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 Quimby 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

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 New Paltz Plaza Kemper.
PER [signature] As Agent of

CARRIER MC. Environmental Services
PER [signature]
DATE 12/12/97

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Permanent post-office address of shipper.

STYLE F60 LABELMASTER, An American Labelmark Co., Chicago, IL 60648 800/621-5808

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