AAS Environmental, Inc.

Environmental Engineering Consultants

SUPPLEMENTAL SOIL and GROUNDWATER SAMPLING REPORT for 50 Marcus Drive Melville, New York

AASE Project Number:

P-2502

August 1, 1997

Washington ◆ New York

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SUPPLEMENTAL SOIL and GROUNDWATER SAMPLING REPORT

Project Address: 50 Marcus Drive
Melville, New York

AASE Project No.: P-2502

Prepared For: Mr. Barry Stanley
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Date: August 1, 1997

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1. Executive Summary

On January 29, February 3 and 6, and May 31, 1997, AAS Environmental, Inc. (AASE), represented by Clifford Burns, Patrick Sisk, and Kumar Chakraborty, conducted supplementary soil and groundwater testing at 50 Marcus Drive in Melville, NY. The work was performed at the request of Mr. T. Barrett Stanley of Metropolitan Life Insurance Company as a follow up to previous Phase II Environmental Site Assessments at the property performed by other independent consultants.

High levels of tetrachloroethene (perc or PCE) and trichloroethene (TCE) had been identified in the groundwater at five monitoring wells installed in previous assessments. Two additional monitoring wells were installed during AASE's investigation, one upgradient and one downgradient from the building. All seven wells were sampled. In addition, seven groundwater and soil samples were collected from the subsurface beneath the building's western foundation and the eastern outer perimeter using a truck-mounted Geoprobe direct push sampler. After an initial sample result evaluation, follow-up Geoprobe samples were later collected adjacent to the seven monitoring wells in order to draw a comparison between Geoprobe sample results and developed well results.

High levels of perc and TCE were detected in the groundwater in all monitoring wells and from five of the seven Geoprobe samples. The levels of perc in the monitoring wells ranged from 20 to 81 parts per billion (ppb), 4 to 8 times higher than the New York State groundwater standard of 5.0 ppb. The levels of perc from the initial Geoprobe samples ranged from 240 to 1500 ppb, with the highest levels directly beneath the building. These results are 48 to 300 times higher than the 5.0 ppb standard, with the highest levels detected within the building. TCE results above the standard of 5.0 ppb were detected in 5 of the 7 wells and 5 of the 7 initial Geoprobe samples. The results from both the wells and initial Geoprobe were less varied, ranging from 5.5 ppb to 62 ppb, with the highest levels again detected within the building. The follow-up (secondary) Geoprobe samples adjacent to the monitoring wells revealed lower perc and TCE levels than those from the wells, with only 5 of the 7 samples above the 5.0 ppb perc standard and all of the TCE samples below the 5.0 ppb standard.

The presence of perchloroethene and trichloroethene at both upgradient and downgradient locations at similar levels, all in excess of the New York State groundwater standards, indicates that a regional contamination situation exists. Because the perc and TCE concentrations of the downgradient samples are of the same order of magnitude as the upgradient samples, the site cannot be considered a contributing factor to the contamination. Although significantly elevated levels of perc were detected directly beneath the building, this contamination does not appear to be influencing the downgradient groundwater. Perc is a known cleaning solution used in many operations, including electronics manufacturing, for which the building was previously used. However, no manufacturing operations have occurred at the site for over 10 years, and since it has apparently not affected downgradient groundwater in that time, it is unlikely that this contamination will spread in the future. Therefore the contamination under the building can be considered an isolated pocket which is not affecting the groundwater in the surrounding region, and no further action is warranted.

2. Discussion

2.1 Background

On January 29, February 3 and 6, and May 31, 1997, AAS Environmental, Inc. (AASE), represented by Clifford Burns, Patrick Sisk, and Kumar Chakraborty, conducted supplementary soil and groundwater testing at 50 Marcus Drive in Melville, NY. The work was performed at the request of Mr. T. Barrett Stanley of Metropolitan Life Insurance Company as a follow up to previous Phase II Environmental Site Assessments at the property performed by other independent consultants.

Four previous reports have been prepared by independent consultants as part of Phase I and II Environmental Site Assessments at the property:

1. *Environmental Assessment*, Lockwood, Kessler & Bartlett, Inc., October 1992.
2. *Results of Phase II Site Assessment*, Geraghty & Miller, Inc., May 11, 1994.
3. *Supplemental Phase II Investigation*, Geraghty & Miller, Inc., September 26, 1994.
4. *Phase II Environmental Site Assessment*, ATC Environmental, Inc., December 4, 1996.

The results of these reports, in general, show that levels of perchloroethene (synonymous with tetrachloroethene or perc) and other volatile organic compounds (VOCs) were detected in the groundwater at the site, both upgradient and downgradient from the building, in levels which exceed the New York State Department of Health (NYSDOH) maximum contaminant levels for drinking water. Therefore, additional sampling was requested by MetLife to attempt to determine if previous operations at the site could have contributed to the perc or if the groundwater contamination was a regional situation.

2.2 Sampling And Inspection Procedure

Two new monitoring wells (MW6 and MW7) were installed by Tyree Environmental Services, Inc. using a truck-mounted hollow-stemmed augur. The wells were installed between existing wells MW1 and MW2 upgradient of the building, and MW4 and MW5 downgradient of the building. These locations were recommended by ATC Environmental, Inc. based on their analysis of their Phase II Assessment in December, 1996. Four-inch PVC wells were installed to a depth of 57 feet, with screening from 57 to 42 feet. The water table at the site is at approximately 47 feet below grade.

The annular space of the wells were backfilled with morie sand, and sealed with bentonite cap. The remaining space was backfilled with a bentonite/grout mix. Each well was topped with a locking cap. After full development by purging three to five full well volumes using dedicated bailers and a minimum 24-hour settling time, groundwater samples were collected from the two newly installed wells and the five existing wells and analyzed for Volatile Organic Compounds (VOCs) using EPA Method 624 and for the 8 RCRA Metals.

The four samples inside the building and the three at the exterior walls were collected using a truck-mounted Geoprobe direct-push sampler. The four samples inside the building were sited within the western half to create an evenly spaced sampling grid within the building. Samples could not be collected in the eastern half of the building without significant interior wall demolition to gain access. Samples could not be collected in the Southern third because of a subsurface obstruction approximately 6 feet below grade. This obstruction was detected in four different locations in the southwest portion of the building. Since it was apparent that the majority of manufacturing activities occurred in the northwest portion (where chemical usage would be at its highest), the interior sample locations are appropriate. At each sample point, a soil and groundwater sample were collected. Groundwater samples were analyzed for VOCs and metals using the same methods as for the monitoring well samples. Soil samples were collected at depths of approximately 20 to 25 feet below grade and analyzed for VOCs using EPA Method 8260 and for the TAL 23 Metals.

After analysis of the first round of monitoring well and Geoprobe samples, AASE recommended additional Geoprobe groundwater samples to be collected adjacent to the monitoring wells in order to draw a correlation between Geoprobe sample results and developed well sample results. This was precipitated by high levels of perc in the Geoprobe samples from under the building which were several orders of magnitude greater than the results of the monitoring wells. both upgradient and downgradient. Therefore one groundwater sample was collected using the Geoprobe approximately 5 feet from each monitoring well location. These samples were analyzed only for tetrachloroethene (perc) and trichloroethene (TCE) using EPA Method 624.

2.3 Site Description

The site, located at 50 Marcus Drive (also known as 333 Smith Street) is approximately 13 acres in size between Marcus Drive and Smith Street in Melville, New York. The site is also referred to as located in Farmingdale, NY. The site is covered mostly in paved parking area, with perimeter

vegetation which is in poor health and extremely overgrown. A 2-story 220,000 square foot industrial building occupies the southern portion of the site. The building is completely vacant and the interior shows some significant fire and water damage. The building was constructed in approximately 1967, with Fairfield Knitting Mill as its original occupant, producing yarns. From 1981 to 1989, its last occupant, Gould Electronics, engineered and produced military electronics. The building has been vacant since 1989. The surrounding properties are primarily occupied by light industrial, commercial, and warehouse facilities.

2.4 Discussion of Findings

High levels of tetrachloroethene (perc) was detected in the groundwater in all monitoring wells, ranging from 20 to 81 parts per billion (ppb), 4 to 8 times higher than the New York State groundwater standard of 5.0 ppb. Groundwater at the site, as determined by the 1996 ATC report, flows generally south-southeast. The three wells located generally upgradient of the building, MW1, MW2, and MW7, had perc levels of 35, 20, and 41 ppb, respectively. These were similar results to the four remaining generally downgradient wells, MW3 through MW6, which had perc levels of 31, 81, 43, and 41, respectively. Trichloroethene (TCE) was also detected above the 5.0 ppb standard in wells MW2 and MW4 through MW7, at levels ranging from 5.5 to 22.0. These results indicate that perc and TCE is present in the groundwater passing under the site, originating at a point north-northwest of the site.

The levels of perc from the Geoprobe groundwater samples, however, were much higher, ranging from 240 to 1500 ppb, in 5 of the 7 samples, with the highest levels directly beneath the building. The four samples within the building, G1 through G4, had perc levels of 240, 1500, 1100, and 1400 ppb, respectively. The only remaining Geoprobe groundwater sample which detected any perc was G5, along the western half of the south wall, which had a level of 990 ppb. The two remaining samples, one along the eastern north wall and one along the east wall, detected no levels of perc. These results are 48 to 300 times higher than the 5.0 ppb standard, and are distinctly concentrated around the western half of the building where manufacturing occurred. TCE was also detected in samples G1 through G5 in levels ranging from 7.8 to 62 ppb. Perc is a known cleaning solution in electronics manufacturing, but no records are available for the chemicals used at the site. Based on these high results, AASE cannot rule out the possibility that manufacturing operations prior to 1989 contributed to groundwater perc and TCE contamination at the site.

Because the levels of perc in the Geoprobe groundwater samples were up to two orders of magnitude higher than those of the surrounding monitoring well samples, additional Geoprobe groundwater samples were collected adjacent to the monitoring wells in order to draw a correlation between the results. The seven secondary Geoprobe samples revealed levels of perc in groundwater ranging from below the detection limit up to 53.8 ppb (at monitoring well 7, directly upgradient from the building). Five of the seven secondary Geoprobe samples recorded levels of perc above the 5.0 ppb regulatory limit (6.2, 6.8, 11.3, 11.0, and 53.8 ppb at monitoring well locations 2, 3, 4, 6, and 7, respectively). These are the 5 easternmost monitoring well locations, which could indicate a contaminated plume throughout the eastern portion of the site. No levels of TCE were detected above the 5.0 ppb regulatory limit in any of the secondary Geoprobe groundwater samples.

Ethylbenzene and methylene were also detected in the groundwater above the NYSDOH limits in samples G1 and G2, although their concentrations were extremely low. Several heavy metals were detected in the Geoprobe samples above the Eastern USA background levels: chromium, lead, barium, mercury, and silver. Chromium was the only metal detected in all samples in levels ranging from 253 to 1330 ppm, which are significantly higher than average background levels of 1.5 to 40 ppm. The remaining metals were only detected in samples G6 and G7 at the eastern side of the building. Their concentrations were not significantly above the background levels and thus are not considered a significant threat to the environment. In addition, their detected location indicates that it is unlikely their source is the building. It cannot be ruled out, however, that activities at the building contributed to the chromium levels.

The only detectable soil contaminant from the Geoprobe samples above its standard was acetone, which was present at levels of 9.0 to 12.0 ppb, approximately ten times higher than the standard of 1.1 ppb. It should be noted, however, that laboratory analysis revealed that there was acetone present in the associated lab blanks and is therefore not considered significant.

3. Conclusions/Recommendations

The presence of perchloroethene and trichloroethene at both upgradient and downgradient locations at similar levels, all in excess of the New York State groundwater standards, indicates that a regional contamination situation exists. Because the perc and TCE concentrations of the downgradient samples are of the same order of magnitude as the upgradient samples, the site cannot be considered a contributing factor to the contamination. Although significantly elevated levels of perc were detected directly beneath the building, this contamination does not appear to be influencing the downgradient groundwater. Perc is a known cleaning solution used in many operations, including electronics manufacturing, for which the building was previously used. However, no manufacturing operations have occurred at the site for over 10 years, and since it has apparently not affected downgradient groundwater in that time, it is unlikely that this contamination will spread in the future. Therefore the contamination under the building can be considered an isolated pocket which is not affecting the groundwater in the surrounding region, and no further action is warranted.

4. Sampling Summary

Seven samples were collected using the Geoprobe direct push sampler, four from within the Eastern half of the building, and 3 against the outside wall of the building, as the interior Western half of the building was not accessible to the Geoprobe sampler. At each location a groundwater and soil sample were collected. Groundwater samples were analyzed for Volatile Organic Compounds (VOCs) using EPA Method 624 and for the 8 RCRA Metals. Soil samples were analyzed for VOCs using EPA Method 8260 and for the TAL 23 Metals. The groundwater in the five existing and the two new monitoring wells were sampled for VOCs and metals as well, using the methods above. The results for the detectable analytes which exceeded either groundwater standards or allowable soil concentrations established by the NYSDEC in TAGM HWR-94-4046 are listed below. All other analytes were either not detected or detected at levels below NYSDEC standards.

Geoprobe Samples	Contaminant	Result	Units	Standard/Limit
Location 1 - Boiler Room, Northwest Corner				
Groundwater	Ethylbenzene	12.0	ppb	5.0
	Methylene Chloride	5.4	ppb	5.0
	Tetrachloroethene	240.0	ppb	5.0
	Toluene	16.0	ppb	5.0
	Trichloroethene	7.8	ppb	5.0
	Chromium	298.0	ppb	1.5-40
Soil	Acetone	12.0	ppb	1.1
	2-Butanone	15.0	ppb	3.0
Location 2 - Garage Entry Room, Northwest Corner				
Groundwater	Ethylbenzene	8.2	ppb	5.0
	Tetrachloroethene	1500.0	ppb	5.0
	Toluene	9.5	ppb	5.0
	Trichloroethene	26.0	ppb	5.0
	Chromium	253.0	ppb	1.5-40
Soil	Acetone	12.0	ppb	1.1
Location 3 - Mechanical Room, Middle, North Side				
Groundwater	Tetrachloroethene	1100.0	ppb	5.0
	Trichloroethene	50.0	ppb	5.0
	Chromium	987.0	ppb	1.5-40
Soil	Acetone	10.0	ppb	1.1
Location 4 - Middle, West Half of Building				
Groundwater	Tetrachloroethene	1400.0	ppb	5.0
	Trichloroethene	62.0	ppb	5.0
	Chromium	922.0	ppb	1.5-40
Soil	Acetone	10.0	ppb	1.1
	Methylene Chloride	3.0	ppb	1.0

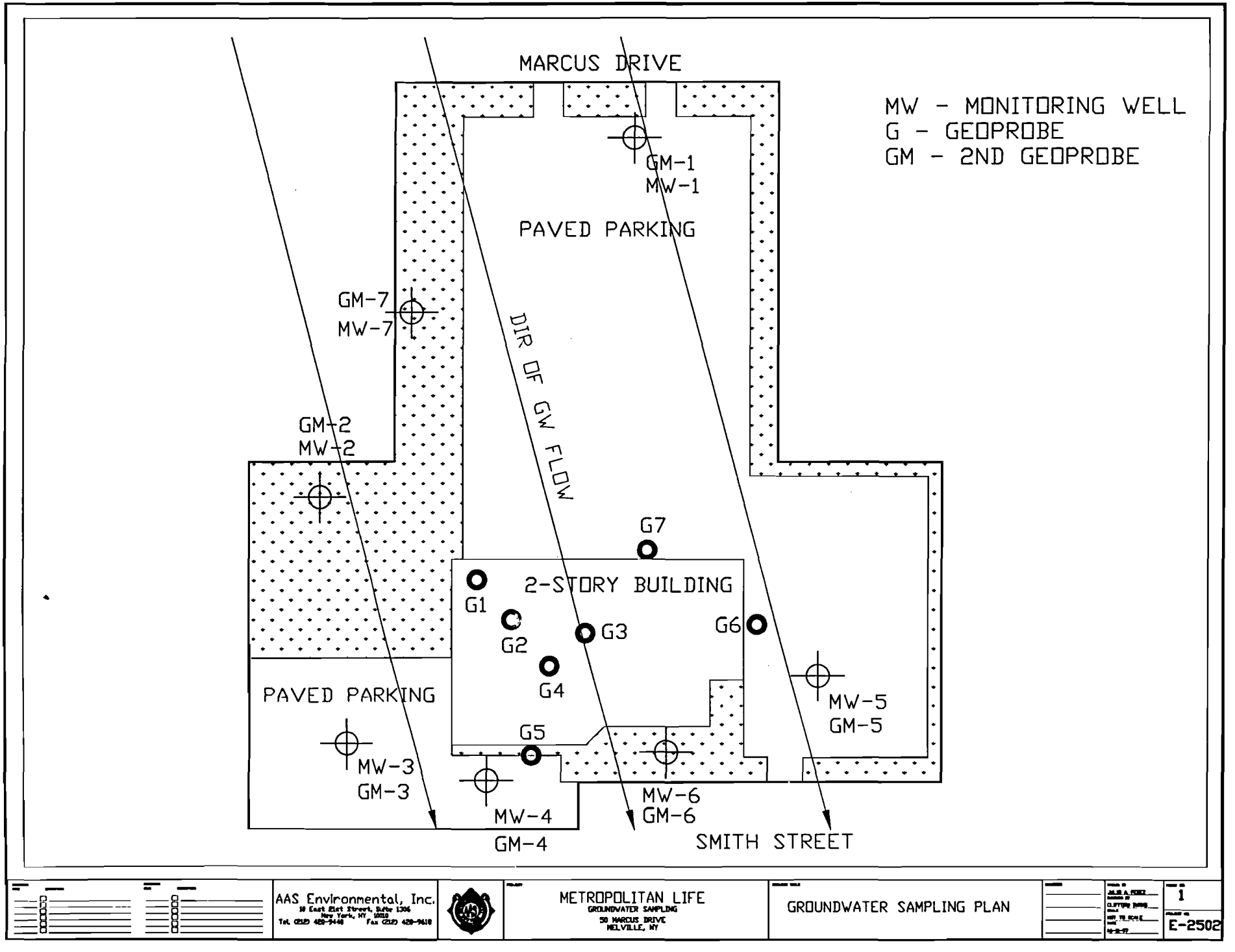
Geoprobe Samples	Contaminant	Result	Units	Standard/Limit
Location 5 - Against South Wall, Middle of West Half				
Groundwater	Tetrachloroethene	990.0	ppb	5.0
	Trichloroethene	45.0	ppb	5.0
	Chromium	870.0	ppb	1.5-40
Soil	Acetone	9.0	ppb	1.1
	Methylene Chloride	2.0	ppb	1.0
Location 6 - Against Middle of East Wall				
Groundwater	Lead	1230.0	ppb	4-500
	Barium	1310.0	ppb	15-600
	Mercury	0.631	ppb	0.001-0.2
	Chromium	1180.0	ppb	1.5-40
	Silver	262.0	ppm	n/a
Soil	Acetone	12.0	ppb	1.1
Location 7 - Against North Wall, Middle of East Half				
Groundwater	Arsenic	23.2	ppb	3-12
	Barium	827.0	ppb	15-600
	Chromium	1330.0	ppb	1.5-40
Soil	Acetone	10.0	ppb	1.1

Mon. Well Samples	Contaminant	Result	Units	Standard/Limit
Well 1 - North End of Parking Lot				
Groundwater	Tetrachloroethene	35.0	ppb	5.0
Well 2 - Off Northwest Corner of Building				
Groundwater	Tetrachloroethene	20.0	ppb	5.0
	Trichloroethene	7.9	ppb	5.0
Well 3 -Off Southwest Corner of Building				
Groundwater	Tetrachloroethene	31.0	ppb	5.0
Well 4 - South Side of Building, Middle of West Half				
Groundwater	Tetrachloroethene	81.0	ppb	5.0
	Trichlcroethene	5.5	ppb	5.0
Well 5 - Off Southeast Corner of Building				
Groundwater	Tetrachloroethene	43.0	ppb	5.0
	Trichloroethene	22.0	ppb	5.0
	1,1,1-Trichloroethane	6.1	ppb	5.0
Well 6 - South Side of Building, Middle of West Half, Between Wells 4 & 5				
Groundwater	Tetrachloroethene	41.0	ppb	5.0
	Trichloroethene	15.0	ppb	5.0
Well 7 - Northwest Corner of Property, North of Well 2 and Old Retention Pond				
Groundwater	Tetrachloroethene	41.0	ppb	5.0
	Trichloroethene	16.0	ppb	5.0

A second round of Geoprobe groundwater samples were collected adjacent to the seven monitoring wells and analyzed for tetrachloroethene and trichloroethene using EPA Method 624. The results of these analyses are listed below.

2nd Geoprobe Sam.	Contaminant	Result	Units	Standard/Limit
Adjacent to Well 1 - North End of Parking Lot				
Groundwater	Tetrachloroethene	<0.21*	ppb	5.0
	Trichloroethene	<0.14*	ppb	5.0
Adjacent to Well 2 - Off Northwest Corner of Building				
Groundwater	Tetrachloroethene	6.2	ppb	5.0
	Trichloroethene	1.6	ppb	5.0
Adjacent to Well 3 -Off Southwest Corner of Building				
Groundwater	Tetrachloroethene	6.8	ppb	5.0
	Trichloroethene	<0.14*	ppb	5.0
Adjacent to Well 4 - South Side of Building, Middle of West Half				
Groundwater	Tetrachloroethene	11.3	ppb	5.0
	Trichloroethene	2.6	ppb	5.0
Adjacent to Well 5 - Off Southeast Corner of Building				
Groundwater	Tetrachloroethene	3.5	ppb	5.0
	Trichloroethene	2.6	ppb	5.0
Adjacent to Well 6 - South Side of Building, Middle of West Half, Between Wells 4 & 5				
Groundwater	Tetrachloroethene	11.0	ppb	5.0
	Trichloroethene	2.5	ppb	5.0
Adjacent to Well 7 - NW Corner of Property, North of Well 2 and Old Retention Pond				
Groundwater	Tetrachloroethene	53.8	ppb	5.0
	Trichloroethene	2.6	ppb	5.0

*Below Detection Limit



	AAS Environmental, Inc. 10 East 21st Street, Suite 1306 New York, NY 10010 Tel. (212) 420-7448 Fax (212) 420-9618		METROPOLITAN LIFE GROUNDWATER SAMPLING 50 MARCUS DRIVE MELVILLE, NY	GROUNDWATER SAMPLING PLAN		1 E-2502

Monitoring Well Laboratory Data

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	3127	MATRIX	Aqueous
SAMPLE NUMBER	9702154	DILUTION FACTOR	1.0
DATA FILE	>A1547	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/17/97
FIELD ID	~~HZ~~ MW1	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/L	MDL	CAS #	COMPOUND	UG/L	MDL
71432	Benzene	U	.4	75354	1,1-Dichloroethene	2.5	.4
75274	Bromodichloromethane	U	.4	156605	trans-1,2-Dichloroethene	U	.4
75252	Bromoform	U	.4	78875	1,2-Dichloropropane	U	.4
74839	Bromomethane	U	2.0	10061015	cis-1,3-Dichloropropene	U	.4
56235	Carbon Tetrachloride	U	.4	10061026	trans-1,3-Dichloropropene	U	.4
108907	Chlorobenzene	U	.4	100414	Ethylbenzene	U	1.0
75003	Chloroethane	U	2.0	75092	Methylene Chloride	U	1.0
110758	2-Chloroethylvinylether	U	2.0	79345	1,1,2,2-Tetrachloroethane	U	.6
67663	Chloroform	U	.4	127184	Tetrachloroethene	35	.4
74873	Chloromethane	U	2.0	108883	Toluene	U	.5
124481	Dibromochloromethane	U	.4	71556	1,1,1-Trichloroethane	4.7	.4
95501	1,2-Dichlorobenzene	U	.5	79005	1,1,2-Trichloroethane	U	.4
541731	1,3-Dichlorobenzene	U	.4	79016	Trichloroethene	19	.4
106467	1,4-Dichlorobenzene	U	.4	75694	Trichlorofluoromethane	U	.4
75343	1,1-Dichloroethane	U	.4	75014	Vinyl Chloride	U	2.0
107062	1,2-Dichloroethane	U	.4				

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	106 %	76-114	OK
Toluene-d8	95 %	88-110	OK
Bromofluorobenzene	96 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected,
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	3127	MATRIX	Aqueous
SAMPLE NUMBER	9702159	DILUTION FACTOR	1.0
DATA FILE	>A1551	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/17/97
FIELD ID	~~MW~~ MW2	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/L	MDL	CAS #	COMPOUND	UG/L	MDL
71432	Benzene	U	.4	75354	1,1-Dichloroethene	U	.4
75274	Bromodichloromethane	U	.4	156605	trans-1,2-Dichloroethene	U	.4
75252	Bromoform	U	.4	78875	1,2-Dichloropropane	U	.4
74839	Bromomethane	U	2.0	10061015	cis-1,3-Dichloropropene	U	.4
56235	Carbon Tetrachloride	U	.4	10061026	trans-1,3-Dichloropropene	U	.4
108907	Chlorobenzene	U	.4	100414	Ethylbenzene	U	1.0
75003	Chloroethane	U	2.0	75092	Methylene Chloride	U	1.0
110758	2-Chloroethylvinylether	U	2.0	79345	1,1,2,2-Tetrachloroethane	U	.6
67663	Chloroform	U	.4	127184	Tetrachloroethene	20	.4
74873	Chloromethane	U	2.0	108883	Toluene	U	.5
124481	Dibromochloromethane	U	.4	71556	1,1,1-Trichloroethane	2.0	.4
95501	1,2-Dichlorobenzene	U	.5	79005	1,1,2-Trichloroethane	U	.4
541731	1,3-Dichlorobenzene	U	.4	79016	Trichloroethene	7.9	.4
106467	1,4-Dichlorobenzene	U	.4	75694	Trichlorofluoromethane	U	.4
75343	1,1-Dichloroethane	U	.4	75014	Vinyl Chloride	U	2.0
107062	1,2-Dichloroethane	U	.4				

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	104 %	76-114	OK
Toluene-d8	101 %	88-110	OK
Bromofluorobenzene	98 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected,
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	3127	MATRIX	Aqueous
SAMPLE NUMBER	9702158	DILUTION FACTOR	1.0
DATA FILE	>A1550	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/17/97
FIELD ID	~~SW6~~ MW3	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/L	MDL	CAS #	COMPOUND	UG/L	MDL
71432	Benzene	U	.4	75354	1,1-Dichloroethene	U	.4
75274	Bromodichloromethane	U	.4	156605	trans-1,2-Dichloroethene	U	.4
75252	Bromoform	U	.4	78875	1,2-Dichloropropane	U	.4
74839	Bromomethane	U	2.0	10061015	cis-1,3-Dichloropropene	U	.4
56235	Carbon Tetrachloride	U	.4	10061026	trans-1,3-Dichloropropene	U	.4
108907	Chlorobenzene	U	.4	100414	Ethylbenzene	U	1.0
75003	Chloroethane	U	2.0	75092	Methylene Chloride	U	1.0
110758	2-Chloroethylvinylether	U	2.0	79345	1,1,2,2-Tetrachloroethane	U	.6
67663	Chloroform	U	.4	127184	Tetrachloroethene	31	.4
74873	Chloromethane	U	2.0	108883	Toluene	U	.5
124481	Dibromochloromethane	U	.4	71556	1,1,1-Trichloroethane	U	.4
95501	1,2-Dichlorobenzene	U	.5	79005	1,1,2-Trichloroethane	U	.4
541731	1,3-Dichlorobenzene	U	.4	79016	Trichloroethene	3.3	.4
106467	1,4-Dichlorobenzene	U	.4	75694	Trichlorofluoromethane	U	.4
75343	1,1-Dichloroethane	U	.4	75014	Vinyl Chloride	U	2.0
107062	1,2-Dichloroethane	U	.4				

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	101 %	76-114	OK
Toluene-d8	99 %	88-110	OK
Bromofluorobenzene	100 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected,
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	3127	MATRIX	Aqueous
SAMPLE NUMBER	9702157	DILUTION FACTOR	1.0
DATA FILE	>A1549	DATE EXTRACTED	
CLIENT NAME	AASE1	DATE ANALYZED	02/17/97
FIELD ID	~~SS~~ MW4	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/L	MDL	CAS #	COMPOUND	UG/L	MDL
71432	Benzene	U	.4	75354	1,1-Dichloroethene	U	.4
75274	Bromodichloromethane	U	.4	156605	trans-1,2-Dichloroethene	U	.4
75252	Bromoform	U	.4	78875	1,2-Dichloropropane	U	.4
74839	Bromomethane	U	2.0	10061015	cis-1,3-Dichloropropene	U	.4
56235	Carbon Tetrachloride	U	.4	10061026	trans-1,3-Dichloropropene	U	.4
108907	Chlorobenzene	U	.4	100414	Ethylbenzene	U	1.0
75003	Chloroethane	U	2.0	75092	Methylene Chloride	U	1.0
110758	2-Chloroethylvinylether	U	2.0	79345	1,1,2,2-Tetrachloroethane	U	.6
67663	Chloroform	U	.4	127184	Tetrachloroethene	81	.4
74873	Chloromethane	U	2.0	108883	Toluene	U	.5
124481	Dibromochloromethane	U	.4	71556	1,1,1-Trichloroethane	1.3	.4
95501	1,2-Dichlorobenzene	U	.5	79005	1,1,2-Trichloroethane	U	.4
541731	1,3-Dichlorobenzene	U	.4	79016	Trichloroethene	5.5	.4
106467	1,4-Dichlorobenzene	U	.4	75694	Trichlorofluoromethane	U	.4
75343	1,1-Dichloroethane	U	.4	75014	Vinyl Chloride	U	2.0
107062	1,2-Dichloroethane	U	.4				

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	105 %	76-114	OK
Toluene-d8	98 %	88-110	OK
Bromofluorobenzene	98 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected,
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	3127	MATRIX	Aqueous
SAMPLE NUMBER	9702155	DILUTION FACTOR	1.0
DATA FILE	>A1535	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/16/97
FIELD ID	~~E3~~ MW5	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/L	MDL	CAS #	COMPOUND	UG/L	MDL
71432	Benzene	U	.4	75354	1,1-Dichloroethene	1.3	.4
75274	Bromodichloromethane	U	.4	156605	trans-1,2-Dichloroethene	U	.4
75252	Bromoform	U	.4	78875	1,2-Dichloropropane	U	.4
74839	Bromomethane	U	2.0	10061015	cis-1,3-Dichloropropene	U	.4
56235	Carbon Tetrachloride	U	.4	10061026	trans-1,3-Dichloropropene	U	.4
108907	Chlorobenzene	U	.4	100414	Ethylbenzene	U	1.0
75003	Chloroethane	U	2.0	75092	Methylene Chloride	U	1.0
110758	2-Chloroethylvinylether	U	2.0	79345	1,1,2,2-Tetrachloroethane	U	.6
67663	Chloroform	U	.4	127184	Tetrachloroethene	43	.4
74873	Chloromethane	U	2.0	108883	Toluene	U	.5
124481	Dibromochloromethane	U	.4	71556	1,1,1-Trichloroethane	6.1	.4
95501	1,2-Dichlorobenzene	U	.5	79005	1,1,2-Trichloroethane	U	.4
541731	1,3-Dichlorobenzene	U	.4	79016	Trichloroethene	22	.4
106467	1,4-Dichlorobenzene	U	.4	75694	Trichlorofluoromethane	U	.4
75343	1,1-Dichloroethane	U	.4	75014	Vinyl Chloride	U	2.0
107062	1,2-Dichloroethane	U	.4				

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	105 %	76-114	OK
Toluene-d8	99 %	88-110	OK
Bromofluorobenzene	95 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected,
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	3127	MATRIX	Aqueous
SAMPLE NUMBER	9702156	DILUTION FACTOR	1.0
DATA FILE	>A1548	DATE EXTRACTED	
CLIENT NAME	AASE1	DATE ANALYZED	02/17/97
FIELD ID	~~EE4~~ MW6	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/L	MDL	CAS #	COMPOUND	UG/L	MDL
71432	Benzene	U	.4	75354	1,1-Dichloroethene	U	.4
75274	Bromodichloromethane	U	.4	156605	trans-1,2-Dichloroethene	U	.4
75252	Bromoform	U	.4	78875	1,2-Dichloropropane	U	.4
74839	Bromomethane	U	2.0	10061015	cis-1,3-Dichloropropene	U	.4
56235	Carbon Tetrachloride	U	.4	10061026	trans-1,3-Dichloropropene	U	.4
108907	Chlorobenzene	U	.4	100414	Ethylbenzene	U	1.0
75003	Chloroethane	U	2.0	75092	Methylene Chloride	U	1.0
110758	2-Chloroethylvinylether	U	2.0	79345	1,1,2,2-Tetrachloroethane	U	.6
67663	Chloroform	U	.4	127184	Tetrachloroethene	41	.4
74873	Chloromethane	U	2.0	108883	Toluene	U	.5
124481	Dibromochloromethane	U	.4	71556	1,1,1-Trichloroethane	3.7	.4
95501	1,2-Dichlorobenzene	U	.5	79005	1,1,2-Trichloroethane	U	.4
541731	1,3-Dichlorobenzene	U	.4	79016	Trichloroethene	15	.4
106467	1,4-Dichlorobenzene	U	.4	75694	Trichlorofluoromethane	U	.4
75343	1,1-Dichloroethane	U	.4	75014	Vinyl Chloride	U	2.0
107062	1,2-Dichloroethane	U	.4				

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	108 %	76-114	OK
Toluene-d8	94 %	88-110	OK
Bromofluorobenzene	94 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected,
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	3127	MATRIX	Aqueous
SAMPLE NUMBER	9702153	DILUTION FACTOR	1.0
DATA FILE	>A1546	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/17/97
FIELD ID	~~NW1~~ MW7	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/L	MDL	CAS #	COMPOUND	UG/L	MDL
71432	Benzene	U	.4	75354	1,1-Dichloroethene	U	.4
75274	Bromodichloromethane	U	.4	156605	trans-1,2-Dichloroethene	U	.4
75252	Bromoform	U	.4	78875	1,2-Dichloropropane	U	.4
74839	Bromomethane	U	2.0	10061015	cis-1,3-Dichloropropene	U	.4
56235	Carbon Tetrachloride	U	.4	10061026	trans-1,3-Dichloropropene	U	.4
108907	Chlorobenzene	U	.4	100414	Ethylbenzene	U	1.0
75003	Chloroethane	U	2.0	75092	Methylene Chloride	U	1.0
110758	2-Chloroethylvinylether	U	2.0	79345	1,1,2,2-Tetrachloroethane	U	.6
67663	Chloroform	U	.4	127184	Tetrachloroethene	41	.4
74873	Chloromethane	U	2.0	108883	Toluene	U	.5
124481	Dibromochloromethane	U	.4	71556	1,1,1-Trichloroethane	4.1	.4
95501	1,2-Dichlorobenzene	U	.5	79005	1,1,2-Trichloroethane	U	.4
541731	1,3-Dichlorobenzene	U	.4	79016	Trichloroethene	16	.4
106467	1,4-Dichlorobenzene	U	.4	75694	Trichlorofluoromethane	U	.4
75343	1,1-Dichloroethane	U	.4	75014	Vinyl Chloride	U	2.0
107062	1,2-Dichloroethane	U	.4				

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	106 %	76-114	OK
Toluene-d8	100 %	88-110	OK
Bromofluorobenzene	99 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected,
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 3127
Sample #: 9702168
Field ID: ~~MW-8~~ MW1
Client Name: AASE

Matrix: Aqueous
Date Received: 02/06/97

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	ND	8.00	1	F	02/19/97
7440-39-3	Barium	142	30.0	1	P	02/18/97
7440-43-9	Cadmium	ND	10.0	1	P	02/18/97
7440-47-3	Chromium	81.3	30.0	1	P	02/19/97
7439-92-1	Lead	34.8	20.0	2	F	02/21/97
7439-97-6	Mercury	ND	.500	1	CV	02/24/97
7782-49-2	Selenium	ND	5.00	1	F	02/19/97
7440-22-4	Silver	ND	10.0	1	P	02/18/97

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 3127
Sample #: 9702173
Field ID: ~~MW-~~ MW2
Client Name: AASE

Matrix: Aqueous
Date Received: 02/06/97

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	ND	8.00	1	F	02/19/97
7440-39-3	Barium	46.1	30.0	1	P	02/18/97
7440-43-9	Cadmium	ND	10.0	1	P	02/18/97
7440-47-3	Chromium	ND	30.0	1	P	02/19/97
7439-92-1	Lead	ND	10.0	1	F	02/19/97
7439-97-6	Mercury	ND	.500	1	CV	02/24/97
7782-49-2	Selenium	ND	5.00	1	F	02/19/97
7440-22-4	Silver	ND	10.0	1	P	02/18/97

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 3127
Sample #: 9702172
Field ID: ~~SWS~~ MW3
Client Name: AASE

Matrix: Aqueous
Date Received: 02/06/97

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	ND	8.00	1	F	02/19/97
7440-39-3	Barium	36.3	30.0	1	P	02/18/97
7440-43-9	Cadmium	ND	10.0	1	P	02/18/97
7440-47-3	Chromium	ND	30.0	1	P	02/19/97
7439-92-1	Lead	ND	10.0	1	F	02/20/97
7439-97-6	Mercury	ND	.500	1	CV	02/24/97
7782-49-2	Selenium	ND	5.00	1	F	02/19/97
7440-22-4	Silver	ND	10.0	1	P	02/18/97

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED LASORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 3127
Sample #: 9702171
Field ID: ~~850~~ MW4
Client Name: AASE

Matrix: Aqueous
Date Received: 02/06/97

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	ND	8.00	1	F	02/19/97
7440-39-3	Barium	39.4	30.0	1	P	02/18/97
7440-43-9	Cadmium	ND	10.0	1	P	02/18/97
7440-47-3	Chromium	64.4	30.0	1	P	02/19/97
7439-92-1	Lead	15.2	10.0	1	F	02/19/97
7439-97-6	Mercury	ND	.500	1	CV	02/24/97
7782-49-2	Selenium	ND	5.00	1	F	02/19/97
7440-22-4	Silver	ND	10.0	1	P	02/18/97

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 3127
Sample #: 9702169
Field ID: ~~E38~~ MW5
Client Name: AASE

Matrix: Aqueous
Date Received: 02/06/97

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	ND	8.00	1	F	02/19/97
7440-39-3	Barium	86.0	30.0	1	P	02/18/97
7440-43-9	Cadmium	ND	10.0	1	P	02/18/97
7440-47-3	Chromium	42.4	30.0	1	P	02/19/97
7439-92-1	Lead	30.2	10.0	1	F	02/19/97
7439-97-6	Mercury	ND	.500	1	CV	02/24/97
7782-49-2	Selenium	ND	5.00	1	F	02/19/97
7440-22-4	Silver	ND	10.0	1	P	02/18/97

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 3127
Sample #: 9702170
Field ID: ~~EE4B~~ MW6
Client Name: AASE

Matrix: Aqueous
Date Received: 02/06/97

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	10.8	8.00	1	F	02/19/97
7440-39-3	Barium	295	30.0	1	P	02/18/97
7440-43-9	Cadmium	ND	10.0	1	P	02/18/97
7440-47-3	Chromium	77.0	30.0	1	P	02/19/97
7439-92-1	Lead	97.6	40.0	4	F	02/21/97
7439-97-6	Mercury	.508	.500	1	CV	02/24/97
7782-49-2	Selenium	ND	5.00	1	F	02/19/97
7440-22-4	Silver	ND	10.0	1	P	02/18/97

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 3127
Sample #: 9702167
Field ID: ~~MW5~~ MW7
Client Name: AASE

Matrix: Aqueous
Date Received: 02/06/97

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	ND	8.00	1	F	02/19/97
7440-39-3	Barium	60.6	30.0	1	P	02/18/97
7440-43-9	Cadmium	ND	10.0	1	P	02/18/97
7440-47-3	Chromium	38.2	30.0	1	P	02/19/97
7439-92-1	Lead	10.0	10.0	1	F	02/19/97
7439-97-6	Mercury	ND	.500	1	CV	02/24/97
7782-49-2	Selenium	ND	5.00	1	F	02/19/97
7440-22-4	Silver	ND	10.0	1	P	02/18/97

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

Geoprobe Laboratory Data

Geoprobe Groundwater Samples

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	2976	MATRIX	Aqueous
SAMPLE NUMBER	9701581	DILUTION FACTOR	1.0
DATA FILE	>A1296	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/05/97
FIELD ID	1 BR 112	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/L	MDL	CAS #	COMPOUND	UG/L	MDL
71432	Benzene	U	.4	75354	1,1-Dichloroethene	U	.4
75274	Bromodichloromethane	U	.4	156605	trans-1,2-Dichloroethene	U	.4
75252	Bromoform	U	.4	78875	1,2-Dichloropropane	U	.4
74839	Bromomethane	U	2.0	10061015	cis-1,3-Dichloropropene	U	.4
56235	Carbon Tetrachloride	U	.4	10061026	trans-1,3-Dichloropropene	U	.4
108907	Chlorobenzene	U	.4	100414	Ethylbenzene	12	1.0
75003	Chloroethane	U	2.0	75092	Methylene Chloride	5.4	1.0
110758	2-Chloroethylvinylether	U	2.0	79345	1,1,2,2-Tetrachloroethane	U	.6
67663	Chloroform	U	.4	127184	Tetrachloroethene	370 E	.4
74873	Chloromethane	U	2.0	108883	Toluene	16	.5
124481	Dibromochloromethane	U	.4	71556	1,1,1-Trichloroethane	U	.4
95501	1,2-Dichlorobenzene	U	.5	79005	1,1,2-Trichloroethane	U	.4
541731	1,3-Dichlorobenzene	U	.4	79016	Trichloroethene	7.8	.4
106467	1,4-Dichlorobenzene	U	.4	75694	Trichlorofluoromethane	U	.4
75343	1,1-Dichloroethane	U	.4	75014	Vinyl Chloride	U	2.0
107062	1,2-Dichloroethane	U	.4				

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	97 %	76-114	OK
Toluene-d8	94 %	88-110	OK
Bromofluorobenzene	95 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected,
D - Indicates result is based on a dilution.

B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	2976	MATRIX	Aqueous
SAMPLE NUMBER	9701581DL	DILUTION FACTOR	5
DATA FILE	>A1367	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/08/97
FIELD ID	1 BR 112	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/L		MDL
71432	Benzene	U		2.0
75274	Bromodichloromethane	U		2.0
75252	Bromoform	U		2.0
74839	Bromomethane	U		10
56235	Carbon Tetrachloride	U		2.0
108907	Chlorobenzene	U		2.0
75003	Chloroethane	U		10
110758	2-Chloroethylvinylether	U		10
67663	Chloroform	U		2.0
74873	Chloromethane	U		10
124481	Dibromochloromethane	U		2.0
95501	1,2-Dichlorobenzene	U		2.5
541731	1,3-Dichlorobenzene	U		2.0
106467	1,4-Dichlorobenzene	U		2.0
75343	1,1-Dichloroethane	U		2.0
107062	1,2-Dichloroethane	U		2.0
75354	1,1-Dichloroethene	U		2.0
156605	trans-1,2-Dichloroethene	U		2.0
78875	1,2-Dichloropropane	U		2.0
10061015	cis-1,3-Dichloropropene	U		2.0
10061026	trans-1,3-Dichloropropene	U		2.0
100414	Ethylbenzene	14	D	5.0
75092	Methylene Chloride	U		5.0
79345	1,1,2,2-Tetrachloroethane	U		3.0
127184	Tetrachloroethene	240	D	2.0
108883	Toluene	13	D	2.5
71556	1,1,1-Trichloroethane	U		2.0
79005	1,1,2-Trichloroethane	U		2.0
79016	Trichloroethene	7.1	D	2.0
75694	Trichlorofluoromethane	U		2.0
75014	Vinyl Chloride	U		10

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	87 %	76-114	OK
Toluene-d8	108 %	88-110	OK
Bromofluorobenzene	100 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected,
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	2976	MATRIX	Aqueous
SAMPLE NUMBER	9701582	DILUTION FACTOR	1.0
DATA FILE	>A1342	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/07/97
FIELD ID	2 V8 121	ANALYZED BY	SUSAN

CAS #	COMPOUND	UG/L	MDL	CAS #	COMPOUND	UG/L	MDL
71432	Benzene	U	.4	75354	1,1-Dichloroethene	U	.4
75274	Bromodichloromethane	U	.4	156605	trans-1,2-Dichloroethene	U	.4
75252	Bromoform	U	.4	78875	1,2-Dichloropropane	U	.4
74839	Bromomethane	U	2.0	10061015	cis-1,3-Dichloropropene	U	.4
56235	Carbon Tetrachloride	U	.4	10061026	trans-1,3-Dichloropropene	U	.4
108907	Chlorobenzene	U	.4	100414	Ethylbenzene	8.2	1.0
75003	Chloroethane	U	2.0	75092	Methylene Chloride	U	1.0
110758	2-Chloroethylvinylether	U	2.0	79345	1,1,2,2-Tetrachloroethane	U	.6
67663	Chloroform	U	.4	127184	Tetrachloroethene	1600 E	.4
74873	Chloromethane	U	2.0	108883	Toluene	9.5	.5
124481	Dibromochloromethane	U	.4	71556	1,1,1-Trichloroethane	U	.4
95501	1,2-Dichlorobenzene	U	.5	79005	1,1,2-Trichloroethane	U	.4
541731	1,3-Dichlorobenzene	U	.4	79016	Trichloroethene	26	.4
106467	1,4-Dichlorobenzene	U	.4	75694	Trichlorofluoromethane	U	.4
75343	1,1-Dichloroethane	U	.4	75014	Vinyl Chloride	U	2.0
107062	1,2-Dichloroethane	U	.4				

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	105 %	76-114	OK
Toluene-d8	108 %	88-110	OK
Bromofluorobenzene	107 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected,
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	2976	MATRIX	Aqueous
SAMPLE NUMBER	9701582DL	DILUTION FACTOR	20
DATA FILE	>A1369	DATE EXTRACTED	
CLIENT NAME	AASE1	DATE ANALYZED	02/08/97
FIELD ID	2 VB 121	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/L		MDL	CAS #	COMPOUND	UG/L		MDL
71432	Benzene	U		8.0	75354	1,1-Dichloroethene	U		8.0
75274	Bromodichloromethane	U		8.0	156605	trans-1,2-Dichloroethene	U		8.0
75252	Bromoform	U		8.0	78875	1,2-Dichloropropane	U		8.0
74839	Bromomethane	U		40	10061015	cis-1,3-Dichloropropene	U		8.0
56235	Carbon Tetrachloride	U		8.0	10061026	trans-1,3-Dichloropropene	U		8.0
108907	Chlorobenzene	U		8.0	100414	Ethylbenzene	U		20
75003	Chloroethane	U		40	75092	Methylene Chloride	U		20
110758	2-Chloroethylvinylether	U		40	79345	1,1,2,2-Tetrachloroethane	U		12
67663	Chloroform	U		8.0	127184	Tetrachloroethene	1500	D	8.0
74873	Chloromethane	U		40	108883	Toluene	U		10
124481	Dibromochloromethane	U		8.0	71556	1,1,1-Trichloroethane	U		8.0
95501	1,2-Dichlorobenzene	U		10	79005	1,1,2-Trichloroethane	U		8.0
541731	1,3-Dichlorobenzene	U		8.0	79016	Trichloroethene	24	D	8.0
106467	1,4-Dichlorobenzene	U		8.0	75694	Trichlorofluoromethane	U		8.0
75343	1,1-Dichloroethane	U		8.0	75014	Vinyl Chloride	U		40
107062	1,2-Dichloroethane	U		8.0					

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	94 %	76-114	OK
Toluene-d8	104 %	88-110	OK
Bromofluorobenzene	98 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected,
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	2976	MATRIX	Aqueous
SAMPLE NUMBER	9701583	DILUTION FACTOR	1.0
DATA FILE	>A1343	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/07/97
FIELD ID	3 MR 160	ANALYZED BY	SUSAN

CAS #	COMPOUND	UG/L	MDL	CAS #	COMPOUND	UG/L	MDL
71432	Benzene	U	.4	75354	1,1-Dichloroethene	U	.4
75274	Bromodichloromethane	U	.4	156605	trans-1,2-Dichloroethene	U	.4
75252	Bromoform	U	.4	78875	1,2-Dichloropropane	U	.4
74839	Bromomethane	U	2.0	10061015	cis-1,3-Dichloropropene	U	.4
56235	Carbon Tetrachloride	U	.4	10061026	trans-1,3-Dichloropropene	U	.4
108907	Chlorobenzene	U	.4	100414	Ethylbenzene	1.1	1.0
75003	Chloroethane	U	2.0	75092	Methylene Chloride	U	1.0
110758	2-Chloroethylvinylether	U	2.0	79345	1,1,2,2-Tetrachloroethane	U	.6
67663	Chloroform	U	.4	127184	Tetrachloroethene	1300 E	.4
74873	Chloromethane	U	2.0	108883	Toluene	1.2	.5
124481	Dibromochloromethane	U	.4	71556	1,1,1-Trichloroethane	1.4	.4
95501	1,2-Dichlorobenzene	U	.5	79005	1,1,2-Trichloroethane	U	.4
541731	1,3-Dichlorobenzene	U	.4	79016	Trichloroethene	50	.4
106467	1,4-Dichlorobenzene	U	.4	75694	Trichlorofluoromethane	U	.4
75343	1,1-Dichloroethane	U	.4	75014	Vinyl Chloride	U	2.0
107062	1,2-Dichloroethane	U	.4				

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	108 %	76-114	OK
Toluene-d8	104 %	88-110	OK
Bromofluorobenzene	104 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected,
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	2976	MATRIX	Aqueous
SAMPLE NUMBER	9701583DL	DILUTION FACTOR	20
DATA FILE	>A1370	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/08/97
FIELD ID	3 MR 160	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/L		MDL	CAS #	COMPOUND	UG/L		MDL
71432	Benzene	U		8.0	75354	1,1-Dichloroethene	U		8.0
75274	Bromodichloromethane	U		8.0	156605	trans-1,2-Dichloroethene	U		8.0
75252	Bromoform	U		8.0	78875	1,2-Dichloropropane	U		8.0
74839	Bromomethane	U		40	10061015	cis-1,3-Dichloropropene	U		8.0
56235	Carbon Tetrachloride	U		8.0	10061026	trans-1,3-Dichloropropene	U		8.0
108907	Chlorobenzene	U		8.0	100414	Ethylbenzene	U		20
75003	Chloroethane	U		40	75092	Methylene Chloride	U		20
110758	2-Chloroethylvinylether	U		40	79345	1,1,2,2-Tetrachloroethane	U		12
67663	Chloroform	U		8.0	127184	Tetrachloroethene	1100	D	8.0
74873	Chloromethane	U		40	108883	Toluene	U		10
124481	Dibromochloromethane	U		8.0	71556	1,1,1-Trichloroethane	U		8.0
95501	1,2-Dichlorobenzene	U		10	79005	1,1,2-Trichloroethane	U		8.0
541731	1,3-Dichlorobenzene	U		8.0	79016	Trichloroethene	43	D	8.0
106467	1,4-Dichlorobenzene	U		8.0	75694	Trichlorofluoromethane	U		8.0
75343	1,1-Dichloroethane	U		8.0	75014	Vinyl Chloride	U		40
107062	1,2-Dichloroethane	U		8.0					

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	94 %	76-114	OK
Toluene-d8	107 %	88-110	OK
Bromofluorobenzene	97 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected,
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard

ACCREDITED LABORATORIES, INC.

VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	3066	MATRIX	Aqueous
SAMPLE NUMBER	9701864	DILUTION FACTOR	1.0
DATA FILE	>A1466	DATE EXTRACTED	
CLIENT NAME	ABSEL	DATE ANALYZED	02/13/97
FIELD ID	4	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/L	MDL	CAS #	COMPOUND	UG/L	MDL
71432	Benzene	U	.4	75354	1,1-Dichloroethene	U	.4
75274	Bromodichloromethane	U	.4	156605	trans-1,2-Dichloroethene	1.6	.4
75252	Bromoform	U	.4	78875	1,2-Dichloropropane	U	.4
74839	Bromomethane	U	2.0	10061015	cis-1,3-Dichloropropene	U	.4
56235	Carbon Tetrachloride	U	.4	10061026	trans-1,3-Dichloropropene	U	.4
108907	Chlorobenzene	U	.4	100414	Ethylbenzene	U	.4
75003	Chloroethane	U	2.0	75092	Methylene Chloride	U	1
110758	2-Chloroethylvinylether	U	2.0	79345	1,1,2,2-Tetrachloroethane	U	.4
67663	Chloroform	U	.4	127184	Tetrachloroethene	510 E	.4
74873	Chloromethane	U	2.0	108883	Toluene	U	.4
124481	Dibromochloromethane	U	.4	71556	1,1,1-Trichloroethane	2.6	.4
95501	1,2-Dichlorobenzene	U	.5	79005	1,1,2-Trichloroethane	U	.4
541731	1,3-Dichlorobenzene	U	.4	79016	Trichloroethene	62	.4
106467	1,4-Dichlorobenzene	U	.4	75694	Trichlorofluoromethane	U	.4
75343	1,1-Dichloroethane	U	.4	75014	Vinyl Chloride	U	2
107062	1,2-Dichloroethane	U	.4				

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	103 %	76-114	OK
Toluene-d8	94 %	88-110	OK
Bromofluorobenzene	96 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	3066	MATRIX	Aqueous
SAMPLE NUMBER	9701884DL	DILUTION FACTOR	50
GC FILE	VA1496	DATE EXTRACTED	
CLIENT NAME	AASE1	DATE ANALYZED	02/14/97
FIELD ID	4	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/L		MDL
71432	Benzene	U		20
75274	Bromodichloromethane	U		20
75252	Bromoform	U		20
74839	Bromomethane	U		100
56235	Carbon Tetrachloride	U		20
108907	Chlorobenzene	U		20
75003	Chloroethane	U		100
110758	2-Chloroethylvinylether	U		100
67663	Chloroform	U		20
74873	Chloromethane	U		100
124481	Dibromochloromethane	U		20
95501	1,2-Dichlorobenzene	U		25
541731	1,3-Dichlorobenzene	U		20
106467	1,4-Dichlorobenzene	U		20
75343	1,1-Dichloroethane	U		20
107062	1,2-Dichloroethane	U		20
75354	1,1-Dichloroethene	U		20
156605	trans-1,2-Dichloroethene	U		20
78875	1,2-Dichloropropane	U		20
10061015	cis-1,3-Dichloropropene	U		20
10061026	trans-1,3-Dichloropropene	U		20
100414	Ethylbenzene	U		20
75092	Methylene Chloride	U		50
79345	1,1,2,2-Tetrachloroethane	U		20
127184	Tetrachloroethene	1400	D	20
108883	Toluene	U		20
71556	1,1,1-Trichloroethane	U		20
79005	1,1,2-Trichloroethane	U		20
79016	Trichloroethene	53	D	20
75694	Trichlorofluoromethane	U		20
75014	Vinyl Chloride	U		100

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	106 %	76-114	OK
Toluene-d8	96 %	88-110	OK
Bromofluorobenzene	99 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard.

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	3066	MATRIX	Aqueous
SAMPLE NUMBER	9701386	DILUTION FACTOR	1.0
GC FILE	>A1468	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/13/97
FIELD ID	5	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/L	MDL	CAS #	COMPOUND	UG/L	MDL
71432	Benzene	U	.4	75354	1,1-Dichloroethene	U	.4
75274	Bromodichloromethane	U	.4	156605	trans-1,2-Dichloroethene	U	.4
75252	Bromoform	U	.4	78875	1,2-Dichloropropane	U	.4
74839	Bromomethane	U	2.0	10061015	cis-1,3-Dichloropropene	U	.4
56235	Carbon Tetrachloride	U	.4	10061026	trans-1,3-Dichloropropene	U	.4
108907	Chlorobenzene	U	.4	100414	Ethylbenzene	U	.4
75003	Chloroethane	U	2.0	75092	Methylene Chloride	U	2.0
110758	2-Chloroethylvinylether	U	2.0	79345	1,1,2,2-Tetrachloroethane	U	.4
67663	Chloroform	U	.4	127184	Tetrachloroethene	720 E	.4
74873	Chloromethane	U	2.0	108883	Toluene	U	.4
124481	Dibromochloromethane	U	.4	71556	1,1,1-Trichloroethane	4.6	.4
95501	1,2-Dichlorobenzene	U	.5	79005	1,1,2-Trichloroethane	U	.4
541731	1,3-Dichlorobenzene	U	.4	79016	Trichloroethene	45	.4
106467	1,4-Dichlorobenzene	U	.4	75694	Trichlorofluoromethane	U	.4
75343	1,1-Dichloroethane	U	.4	75014	Vinyl Chloride	U	2.0
107062	1,2-Dichloroethane	U	.4				

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	96 %	76-114	OK
Toluene-d8	98 %	88-110	OK
Bromofluorobenzene	99 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard.

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	3866	MATRIX	Aqueous
SAMPLE NUMBER	97018860L	DILUTION FACTOR	10
DATA FILE	>A1498	DATE EXTRACTED	
CLIENT NAME	ABSEI	DATE ANALYZED	02/14/97
FIELD ID	5	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/L		MDL	CAS #	COMPOUND	UG/L		MDL
71432	Benzene	U		4.0	75354	1,1-Dichloroethene	U		4.0
75274	Bromodichloromethane	U		4.0	156605	trans-1,2-Dichloroethene	U		4.0
75252	Bromoform	U		4.0	78875	1,2-Dichloropropane	U		4.0
74839	Bromomethane	U		20	10061015	cis-1,3-Dichloropropene	U		4.0
56235	Carbon Tetrachloride	U		4.0	10061026	trans-1,3-Dichloropropene	U		4.0
108907	Chlorobenzene	U		4.0	100414	Ethylbenzene	U		4.0
75003	Chloroethane	U		20	75092	Methylene Chloride	U		5
110758	2-Chloroethylvinylether	U		20	79345	1,1,2,2-Tetrachloroethane	U		6.0
67663	Chloroform	U		4.0	127184	Tetrachloroethene	990	D	4.0
74873	Chloromethane	U		20	108883	Toluene	U		5.0
124481	Dibromochloromethane	U		4.0	71556	1,1,1-Trichloroethane	U		4.0
95501	1,2-Dichlorobenzene	U		5.0	79005	1,1,2-Trichloroethane	U		4.0
541731	1,3-Dichlorobenzene	U		4.0	79016	Trichloroethene	54	D	4.0
106467	1,4-Dichlorobenzene	U		4.0	75694	Trichlorofluoromethane	U		4
75343	1,1-Dichloroethane	U		4.0	75014	Vinyl Chloride	U		4.0
107062	1,2-Dichloroethane	U		4.0					

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	102 %	76-114	OK
Toluene-d8	102 %	88-110	OK
Bromofluorobenzene	104 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	3066	MATRIX	Aqueous
SAMPLE NUMBER	9201888	DILUTION FACTOR	1.0
DATA FILE	>A1449	DATE EXTRACTED	
CLIENT NAME	AASE1	DATE ANALYZED	02/13/92
FIELD ID	6	ANALYZED BY	SUSAN

CAS #	COMPOUND	UG/L	MDL	CAS #	COMPOUND	UG/L	MDL
1432	Benzene	U	.4	75354	1,1-Dichloroethene	U	.
5274	Bromodichloromethane	U	.4	156605	trans-1,2-Dichloroethene	U	.
75252	Bromoform	U	.4	78875	1,2-Dichloropropane	U	.
4839	Bromomethane	U	2.0	10061015	cis-1,3-Dichloropropene	U	.
5235	Carbon Tetrachloride	U	.4	10061026	trans-1,3-Dichloropropene	U	.
108907	Chlorobenzene	U	.4	100414	Ethylbenzene	U	.
75003	Chloroethane	U	2.0	75092	Methylene Chloride	U	1.
10758	2-Chloroethylvinylether	U	2.0	79345	1,1,2,2-Tetrachloroethane	U	.
67663	Chloroform	U	.4	127184	Tetrachloroethene	4.1	.
74873	Chloromethane	U	2.0	108883	Toluene	U	.
24481	Dibromochloromethane	U	.4	71556	1,1,1-Trichloroethane	U	.
5501	1,2-Dichlorobenzene	U	.5	79005	1,1,2-Trichloroethane	U	.
541731	1,3-Dichlorobenzene	U	.4	79016	Trichloroethene	U	.
06467	1,4-Dichlorobenzene	U	.4	75694	Trichlorofluoromethane	U	.
5343	1,1-Dichloroethane	U	.4	75014	Vinyl Chloride	U	1.
107062	1,2-Dichloroethane	U	.4				

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	104 %	76-114	OK
Toluene-d8	99 %	88-110	OK
Bromofluorobenzene	99 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	3066	MATRIX	Aqueous
SAMPLE NUMBER	9701890	DILUTION FACTOR	1.0
[illegible]A FILE	>A1451	DATE EXTRACTED	
[illegible]ENT NAME	ABSEI	DATE ANALYZED	02/13/97
FIELD ID	7	ANALYZED BY	SUSAN

CAS #	COMPOUND	UG/L		MDL
[illegible]432	Benzene	U		.4
[illegible]274	Bromodichloromethane	U		.4
75252	Bromoform	U		.4
[illegible]339	Bromomethane	U		2.0
[illegible]235	Carbon Tetrachloride	U		.4
108907	Chlorobenzene	U		.4
75003	Chloroethane	U		2.0
[illegible]0758	2-Chloroethylvinylether	U		2.0
67663	Chloroform	.9	B	.4
74873	Chloromethane	U		2.0
[illegible]4481	Dibromochloromethane	U		.4
[illegible]691	1,2-Dichlorobenzene	U		.5
541731	1,3-Dichlorobenzene	U		.4
[illegible]6467	1,4-Dichlorobenzene	U		.4
[illegible]343	1,1-Dichloroethene	U		.4
107062	1,2-Dichloroethene	U		.4

CAS #	COMPOUND	UG/L	MDL
75354	1,1-Dichloroethene	U	.4
156605	trans-1,2-Dichloroethene	U	.4
78875	1,2-Dichloropropane	U	.4
10061015	cis-1,3-Dichloropropene	U	.4
10061026	trans-1,3-Dichloropropene	U	.4
100414	Ethylbenzene	U	.4
75092	Methylene Chloride	U	2
79345	1,1,2,2-Tetrachloroethane	U	.4
127184	Tetrachloroethene	4.6	
108883	Toluene	U	.4
71556	1,1,1-Trichloroethane	U	.4
79005	1,1,2-Trichloroethane	U	.4
79016	Trichloroethene	2.8	.4
75694	Trichlorofluoromethane	U	.4
75014	Vinyl Chloride	U	2

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	106 %	76-114	OK
Toluene-d8	95 %	88-110	OK
Bromofluorobenzene	99 %	86-115	OK

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 2976
Sample #: 9701587
Field ID: 18 BR 1125
Client Name: AASEI

Matrix: Aqueous
Date Received: 01/29/97

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	23.5	8.00	1	F	02/06/97
7440-39-3	Barium	176	30.0	1	P	02/10/97
7440-43-9	Cadmium	ND	10.0	1	P	02/10/97
7440-47-3	Chromium	298	30.0	1	P	02/10/97
7439-92-1	Lead	40.4	20.0	2	F	02/06/97
7439-97-6	Mercury	ND	.500	1	CV	02/04/97
7782-49-2	Selenium	ND	5.00	1	F	02/06/97
7440-22-4	Silver	ND	10.0	1	P	02/10/97

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 2976
Sample #: 9701588
Field ID: 2B VB 1215
Client Name: AASE1

Matrix: Aqueous
Date Received: 01/29/97

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	ND	8.00	1	F	02/06/97
7440-39-3	Barium	90.7	30.0	1	P	02/10/97
7440-43-9	Cadmium	ND	10.0	1	P	02/10/97
7440-47-3	Chromium	253	30.0	1	P	02/10/97
7439-92-1	Lead	19.5	10.0	1	F	02/06/97
7439-97-6	Mercury	ND	.500	1	CV	02/04/97
7782-49-2	Selenium	ND	5.00	1	F	02/06/97
7440-22-4	Silver	ND	10.0	1	P	02/10/97

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 2976
Sample #: 9701589
Field ID: 38 MR 1600
Client Name: AASEI

Matrix: Aqueous
Date Received: 01/29/97

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	21.1	8.00	1	F	02/06/97
7440-39-3	Barium	165	30.0	1	P	02/10/97
7440-43-9	Cadmium	ND	10.0	1	P	02/10/97
7440-47-3	Chromium	987	30.0	1	P	02/10/97
7439-92-1	Lead	45.0	20.0	2	F	02/06/97
7439-97-6	Mercury	ND	.500	1	CV	02/04/97
7782-49-2	Selenium	ND	5.00	1	F	02/06/97
7440-22-4	Silver	ND	10.0	1	P	02/10/97

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 3066
Sample #: 9701880
Field ID: 4B
Client Name: AASE1

Matrix: Aqueous
Date Received: 02/04/97

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	ND	8.00	1	F	02/19/97
7440-39-3	Barium	162	30.0	1	P	02/13/97
7440-43-9	Cadmium	ND	10.0	1	P	02/13/97
7440-47-3	Chromium	922	30.0	1	P	02/13/97
7439-92-1	Lead	28.6	20.0	2	F	02/21/97
7439-97-6	Mercury	ND	.500	1	CV	02/10/97
7782-49-2	Selenium	ND	5.00	1	F	02/19/97
7440-22-4	Silver	43.5	10.0	1	P	02/17/97

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 3066
Sample #: 9701881
Field ID: 5B
Client Name: AASE1

Matrix: Aqueous
Date Received: 02/04/97

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	24.0	8.00	1	F	02/19/97
7440-39-3	Barium	307	30.0	1	P	02/13/97
7440-43-9	Cadmium	ND	10.0	1	P	02/13/97
7440-47-3	Chromium	870	30.0	1	P	02/13/97
7439-92-1	Lead	ND	40.0	4	F	02/21/97
7439-97-6	Mercury	ND	.500	1	CV	02/10/97
7782-49-2	Selenium	ND	5.00	1	F	02/19/97
7440-22-4	Silver	13.3	10.0	1	P	02/17/97

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED LASORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 3066
Sample #: 9701882
Field ID: 6B
Client Name: AASEI

Matrix: Aqueous
Date Received: 02/04/97

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	49.8	8.00	1	F	02/19/97
7440-39-3	Barium	1310	30.0	1	P	02/13/97
7440-43-9	Cadmium	ND	10.0	1	P	02/13/97
7440-47-3	Chromium	1180	30.0	1	P	02/13/97
7439-92-1	Lead	1230	100	10	F	02/21/97
7439-97-6	Mercury	.631	.500	1	CV	02/10/97
7782-49-2	Selenium	6.30	5.00	1	F	02/19/97
7440-22-4	Silver	262	10.0	1	P	02/17/97

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 3066
Sample #: 9701883
Field ID: 7B
Client Name: AASEI

Matrix: Aqueous
Date Received: 02/04/97

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	23.2	8.00	1	F	02/19/97
7440-39-3	Barium	827	30.0	1	P	02/13/97
7440-43-9	Cadmium	ND	10.0	1	P	02/13/97
7440-47-3	Chromium	1330	30.0	1	P	02/13/97
7439-92-1	Lead	ND	100	10	F	02/21/97
7439-97-6	Mercury	ND	.500	1	CV	02/10/97
7782-49-2	Selenium	ND	5.00	1	F	02/19/97
7440-22-4	Silver	ND	10.0	1	P	02/17/97

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

Geoprobe Soil Samples

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	2976	MATRIX	Soil
SAMPLE NUMBER	9701590	DILUTION FACTOR	1.0
DATA FILE	>D9170	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/08/97
FIELD ID	1 BR 110	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/KG		MDL
	Dichlorodifluoromethane	U		5
	Chloromethane	U		5
	Vinyl Chloride	U		5
	Bromomethane	U		5
	Chloroethane	U		5
	Trichlorofluoromethane	U		5
	1,1-Dichloroethene	U		5
	Methylene Chloride	U		5
	trans-1,2-Dichloroethene	U		5
	1,1-Dichloroethane	U		5
	2,2-Dichloropropane	U		5
	cis-1,2-dichloroethene	U		5
	Chloroform	U		5
	Bromochloromethane	U		5
	1,1,1-Trichloroethane	U		5
	1,1-Dichloropropene	U		5
	Carbon Tetrachloride	U		5
	1,2-Dichloroethane	U		5
	Benzene	U		5
	Trichloroethene	U		5
	1,2-Dichloropropane	U		5
	Bromodichloromethane	U		5
	Dibromomethane	U		5
	cis-1,3-dichloropropene	U		5
	Toluene	U		5
	trans-1,3-Dichloropropene	U		5
	1,1,2-Trichloroethane	U		5
	1,3-dichloropropane	U		5
	Tetrachloroethene	U		5
	Dibromochloromethane	U		5
	1,2-Dibromoethane	U		5
	Ethylbenzene	U		5
	Chlorobenzene	U		5

CAS #	COMPOUND	UG/KG		MDL
	1,1,1,2-Tetrachloroethane	U		5
	m,p-Xylene	U		10
	Styrene	U		5
	Isopropylbenzene	U		5
	Bromoform	U		5
	1,1,2,2-Tetrachloroethane	U		5
	1,2,3-Trichloropropane	U		5
	n-Propyl benzene	U		5
	Bromobenzene	U		5
	1,3,5-Trimethylbenzene	U		5
	2-Chlorotoluene	U		5
	4-Chlorotoluene	U		5
	tert-Butylbenzene	U		5
	1,2,4-Trimethylbenzene	U		5
	sec-Butylbenzene	U		5
	p-Isopropyltoluene	U		5
	1,3-Dichlorobenzene	U		5
	1,4-Dichlorobenzene	U		5
	n-Butylbenzene	U		5
	1,2-Dichlorobenzene	U		5
	1,2-Dibromo-3-Chloropropane	U		5
	1,2,4-Trichlorobenzene	U		5
	Hexachlorobutadiene	U		5
	Naphthalene	U		5
	1,2,3-Trichlorobenzene	U		5
	o-Xylene	U		5
	Methyl t-butyl ether	U		5
	Acetone	12	B	5
	Carbon disulfide	U		5
	Vinyl acetate	U		5
	2-Butanone	15		5
	4-Methyl-2-pentanone	U		5
	2-Hexanone	U		5

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	105 %	70-121	OK
Toluene-d8	100 %	81-117	OK
Bromofluorobenzene	94 %	74-121	OK

Percent solid of 98.0 is used for all target compounds.

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
I - Result exceeds industrial surface soil standards.*
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard
R - Result exceeds residential surface soil standards.*

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* Flags are based on New Jersey Soil Cleanup Criteria from Site Remediation News Volume 6, Number 1.

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	2976	MATRIX	Soil
SAMPLE NUMBER	9701591	DILUTION FACTOR	1.0
DATA FILE	>09121	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/08/97
FIELD ID	2 VB 114	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/KG		MDL
	Dichlorodifluoromethane	U		5
	Chloromethane	U		5
	Vinyl Chloride	U		5
	Bromomethane	U		5
	Chloroethane	U		5
	Trichlorofluoromethane	U		5
	1,1-Dichloroethene	U		5
	Methylene Chloride	U		5
	trans-1,2-Dichloroethene	U		5
	1,1-Dichloroethane	U		5
	2,2-Dichloropropane	U		5
	cis-1,2-dichloroethene	U		5
	Chloroform	U		5
	Bromochloromethane	U		5
	1,1,1-Trichloroethane	U		5
	1,1-Dichloropropene	U		5
	Carbon Tetrachloride	U		5
	1,2-Dichloroethane	U		5
	Benzene	U		5
	Trichloroethene	U		5
	1,2-Dichloropropane	U		5
	Bromodichloromethane	U		5
	Dibromomethane	U		5
	cis-1,3-dichloropropene	U		5
	Toluene	U		5
	trans-1,3-Dichloropropene	U		5
	1,1,2-Trichloroethane	U		5
	1,3-dichloropropane	U		5
	Tetrachloroethene	1	J	5
	Dibromochloromethane	U		5
	1,2-Dibromoethane	U		5
	Ethylbenzene	U		5
	Chlorobenzene	U		5

CAS #	COMPOUND	UG/KG		MDL
	1,1,1,2-Tetrachloroethane	U		5
	m,p-Xylene	U		10
	Styrene	U		5
	Isopropylbenzene	U		5
	Bromoform	U		5
	1,1,2,2-Tetrachloroethane	U		5
	1,2,3-Trichloropropane	U		5
	n-Propyl benzene	U		5
	Bromobenzene	U		5
	1,3,5-Trimethylbenzene	U		5
	2-Chlorotoluene	U		5
	4-Chlorotoluene	U		5
	tert-Butylbenzene	U		5
	1,2,4-Trimethylbenzene	U		5
	sec-Butylbenzene	U		5
	p-Isopropyltoluene	U		5
	1,3-Dichlorobenzene	U		5
	1,4-Dichlorobenzene	U		5
	n-Butylbenzene	U		5
	1,2-Dichlorobenzene	U		5
	1,2-Dibromo-3-Chloropropane	U		5
	1,2,4-Trichlorobenzene	U		5
	Hexachlorobutadiene	U		5
	Naphthalene	U		5
	1,2,3-Trichlorobenzene	U		5
	o-Xylene	U		5
	Methyl t-butyl ether	U		5
	Acetone	12	B	5
	Carbon disulfide	U		5
	Vinyl acetate	U		5
	2-Butanone	U		5
	4-Methyl-2-pentanone	5		5
	2-Hexanone	U		5

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	103 %	70-121	OK
Toluene-d8	100 %	81-117	OK
Bromofluorobenzene	95 %	74-121	OK

Percent solid of 98.1 is used for all target compounds.

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
I - Result exceeds industrial surface soil standards.*
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard
R - Result exceeds residential surface soil standards.*

* Flags are based on New Jersey Soil Cleanup Criteria from Site Remediation News Volume 06 Number 1.

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	2976	MATRIX	Soil
SAMPLE NUMBER	9701592	DILUTION FACTOR	1.0
DATA FILE	>D9122	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/08/97
FIELD ID	3 MR 152	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/KG		MDL
	Dichlorodifluoromethane	U		5
	Chloromethane	U		5
	Vinyl Chloride	U		5
	Bromomethane	U		5
	Chloroethane	U		5
	Trichlorofluoromethane	U		5
	1,1-Dichloroethene	U		5
	Methylene Chloride	U		5
	trans-1,2-Dichloroethene	U		5
	1,1-Dichloroethane	U		5
	2,2-Dichloropropane	U		5
	cis-1,2-dichloroethene	U		5
	Chloroform	U		5
	Bromochloromethane	U		5
	1,1,1-Trichloroethane	U		5
	1,1-Dichloropropene	U		5
	Carbon Tetrachloride	U		5
	1,2-Dichloroethane	U		5
	Benzene	U		5
	Trichloroethene	U		5
	1,2-Dichloropropane	U		5
	Bromodichloromethane	U		5
	Dibromomethane	U		5
	cis-1,3-dichloropropene	U		5
	Toluene	U		5
	trans-1,3-Dichloropropene	U		5
	1,1,2-Trichloroethane	U		5
	1,3-dichloropropane	U		5
	Tetrachloroethene	U		5
	Dibromochloromethane	U		5
	1,2-Dibromoethane	U		5
	Ethylbenzene	U		5
	Chlorobenzene	U		5

CAS #	COMPOUND	UG/KG		MDL
	1,1,1,2-Tetrachloroethane	U		5
	m,p-Xylene	U		10
	Styrene	U		5
	Isopropylbenzene	U		5
	Bromoform	U		5
	1,1,2,2-Tetrachloroethane	U		5
	1,2,3-Trichloropropane	U		5
	n-Propyl benzene	U		5
	Bromobenzene	U		5
	1,3,5-Trimethylbenzene	U		5
	2-Chlorotoluene	U		5
	4-Chlorotoluene	U		5
	tert-Butylbenzene	U		5
	1,2,4-Trimethylbenzene	U		5
	sec-Butylbenzene	U		5
	p-Isopropyltoluene	U		5
	1,3-Dichlorobenzene	U		5
	1,4-Dichlorobenzene	U		5
	n-Butylbenzene	U		5
	1,2-Dichlorobenzene	U		5
	1,2-Dibromo-3-Chloropropane	U		5
	1,2,4-Trichlorobenzene	U		5
	Hexachlorobutadiene	U		5
	Naphthalene	U		5
	1,2,3-Trichlorobenzene	U		5
	o-Xylene	U		5
	Methyl t-butyl ether	U		5
	Acetone	10	B	5
	Carbon disulfide	U		5
	Vinyl acetate	U		5
	2-Butanone	U		5
	4-Methyl-2-pentanone	U		5
	2-Hexanone	U		5

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	105 %	70-121	OK
Toluene-d8	100 %	81-117	OK
Bromofluorobenzene	94 %	74-121	OK

Percent solid of 98.9 is used for all target compounds.

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected,
D - Indicates result is based on a dilution.
I - Result exceeds industrial surface soil standards.*

B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard
R - Result exceeds residential surface soil standards.*

* Flags are based on New Jersey Soil Cleanup Criteria from Site Remediation News Volume 06 Number 1.

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	3066	MATRIX	Soil
SAMPLE NUMBER	9701893	DILUTION FACTOR	1.0
DATA FILE	>09145	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/10/97
FIELD ID	4-A INSIDE	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/KG		MDL
	Dichlorodifluoromethane	U		5
	Chloromethane	U		5
	Vinyl Chloride	U		5
	Bromomethane	U		5
	Chloroethane	U		5
	Trichlorofluoromethane	U		5
	1,1-Dichloroethene	U		5
	Methylene Chloride	3	JB	5
	trans-1,2-Dichloroethene	U		5
	1,1-Dichloroethane	U		5
	2,2-Dichloropropane	U		5
	cis-1,2-dichloroethene	U		5
	Chloroform	U		5
	Bromochloromethane	U		5
	1,1,1-Trichloroethane	U		5
	1,1-Dichloropropene	U		5
	Carbon Tetrachloride	U		5
	1,2-Dichloroethane	U		5
	Benzene	U		5
	Trichloroethene	U		5
	1,2-Dichloropropane	U		5
	Bromodichloromethane	U		5
	Dibromomethane	U		5
	cis-1,3-dichloropropene	U		5
	Toluene	U		5
	trans-1,3-Dichloropropene	U		5
	1,1,2-Trichloroethane	U		5
	1,3-dichloropropane	U		5
	Tetrachloroethene	U		5
	Dibromochloromethane	U		5
	1,2-Dibromoethane	U		5
	Ethylbenzene	U		5
	Chlorobenzene	U		5

CAS #	COMPOUND	UG/KG		MDL
	1,1,1,2-Tetrachloroethane	U		5
	m,p-Xylene	U		10
	Styrene	U		5
	Isopropylbenzene	U		5
	Bromoform	U		5
	1,1,2,2-Tetrachloroethane	U		5
	1,2,3-Trichloropropane	U		5
	n-Propyl benzene	U		5
	Bromobenzene	U		5
	1,3,5-Trimethylbenzene	U		5
	2-Chlorotoluene	U		5
	4-Chlorotoluene	U		5
	tert-Butylbenzene	U		5
	1,2,4-Trimethylbenzene	U		5
	sec-Butylbenzene	U		5
	p-Isopropyltoluene	U		5
	1,3-Dichlorobenzene	U		5
	1,4-Dichlorobenzene	U		5
	n-Butylbenzene	U		5
	1,2-Dichlorobenzene	U		5
	1,2-Dibromo-3-Chloropropane	U		5
	1,2,4-Trichlorobenzene	U		5
	Hexachlorobutadiene	U		5
	Naphthalene	U		5
	1,2,3-Trichlorobenzene	U		5
	o-Xylene	U		5
	Methyl t-butyl ether	U		5
	Acetone	10	B	5
	Carbon disulfide	U		5
	Vinyl acetate	U		5
	2-Butanone	U		5
	4-Methyl-2-pentanone	U		5
	2-Hexanone	U		5

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	107 %	70-121	OK
Toluene-d8	100 %	81-117	OK
Bromofluorobenzene	99 %	74-121	OK

Percent solid of 96.9 is used for all target compounds.

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
I - Result exceeds industrial surface soil standards.*
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard.
R - Result exceeds residential surface soil standards.*

* Flags are based on New Jersey Soil Cleanup Criteria from Site Remediation News Volume 06 Number 1.

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	3066	MATRIX	Soil
SAMPLE NUMBER	9701895	DILUTION FACTOR	1.0
DATA FILE	>09146	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/10/97
FIELD ID	5A-SOUTHSIDE	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/KG		MDL
	Dichlorodifluoromethane	U		5
	Chloromethane	U		5
	Vinyl Chloride	U		5
	Bromomethane	U		5
	Chloroethane	U		5
	Trichlorofluoromethane	U		5
	1,1-Dichloroethene	U		5
	Methylene Chloride	2	JB	5
	trans-1,2-Dichloroethene	U		5
	1,1-Dichloroethane	U		5
	2,2-Dichloropropane	U		5
	cis-1,2-dichloroethene	U		5
	Chloroform	U		5
	Bromochloromethane	U		5
	1,1,1-Trichloroethane	U		5
	1,1-Dichloropropene	U		5
	Carbon Tetrachloride	U		5
	1,2-Dichloroethane	U		5
	Benzene	U		5
	Trichloroethene	U		5
	1,2-Dichloropropane	U		5
	Bromodichloromethane	U		5
	Dibromomethane	U		5
	cis-1,3-dichloropropene	U		5
	Toluene	U		5
	trans-1,3-Dichloropropene	U		5
	1,1,2-Trichloroethane	U		5
	1,3-dichloropropane	U		5
	Tetrachloroethene	U		5
	Dibromochloromethane	U		5
	1,2-Dibromoethane	U		5
	Ethylbenzene	U		5
	Chlorobenzene	U		5

CAS #	COMPOUND	UG/KG		MDL
	1,1,1,2-Tetrachloroethane	U		5
	m,p-Xylene	U		10
	Styrene	U		5
	Isopropylbenzene	U		5
	Bromoform	U		5
	1,1,2,2-Tetrachloroethane	U		5
	1,2,3-Trichloropropane	U		5
	n-Propyl benzene	U		5
	Bromobenzene	U		5
	1,3,5-Trimethylbenzene	U		5
	2-Chlorotoluene	U		5
	4-Chlorotoluene	U		5
	tert-Butylbenzene	U		5
	1,2,4-Trimethylbenzene	U		5
	sec-Butylbenzene	U		5
	p-Isopropyltoluene	U		5
	1,3-Dichlorobenzene	U		5
	1,4-Dichlorobenzene	U		5
	n-Butylbenzene	U		5
	1,2-Dichlorobenzene	U		5
	1,2-Dibromo-3-Chloropropane	U		5
	1,2,4-Trichlorobenzene	U		5
	Hexachlorobutadiene	U		5
	Naphthalene	U		5
	1,2,3-Trichlorobenzene	U		5
	o-Xylene	U		5
	Methyl t-butyl ether	U		5
	Acetone	9	B	5
	Carbon disulfide	U		5
	Vinyl acetate	U		5
	2-Butanone	U		5
	4-Methyl-2-pentanone	U		5
	2-Hexanone	U		5

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	107 %	70-121	OK
Toluene-d8	101 %	81-117	OK
Bromofluorobenzene	98 %	74-121	OK

Percent solid of 98.4 is used for all target compounds.

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected,
D - Indicates result is based on a dilution.
I - Result exceeds industrial surface soil standards.*
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard
R - Result exceeds residential surface soil standards.*

* Flags are based on New Jersey Soil Cleanup Criteria from Site Remediation News Volume 06 Number 1.

ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	3066	MATRIX	Soil
SAMPLE NUMBER	9701897	DILUTION FACTOR	1.0
DATA FILE	>D9118	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/08/97
FIELD ID	6A-NORTHSIDE	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/KG		MDL
	Dichlorodifluoromethane	U		5
	Chloromethane	U		5
	Vinyl Chloride	U		5
	Bromomethane	U		5
	Chloroethane	U		5
	Trichlorofluoromethane	U		5
	1,1-Dichloroethene	U		5
	Methylene Chloride	U		5
	trans-1,2-Dichloroethene	U		5
	1,1-Dichloroethane	U		5
	2,2-Dichloropropane	U		5
	cis-1,2-dichloroethene	U		5
	Chloroform	U		5
	Bromochloromethane	U		5
	1,1,1-Trichloroethane	U		5
	1,1-Dichloropropene	U		5
	Carbon Tetrachloride	U		5
	1,2-Dichloroethane	U		5
	Benzene	U		5
	Trichloroethene	U		5
	1,2-Dichloropropane	U		5
	Bromodichloromethane	U		5
	Dibromomethane	U		5
	cis-1,3-dichloropropene	U		5
	Toluene	U		5
	trans-1,3-Dichloropropene	U		5
	1,1,2-Trichloroethane	U		5
	1,3-dichloropropane	U		5
	Tetrachloroethene	U		5
	Dibromochloromethane	U		5
	1,2-Dibromoethane	U		5
	Ethylbenzene	U		5
	Chlorobenzene	U		5

CAS #	COMPOUND	UG/KG		MDL
	1,1,1,2-Tetrachloroethane	U		5
	m,p-Xylene	U		10
	Styrene	U		5
	Isopropylbenzene	U		5
	Bromoform	U		5
	1,1,2,2-Tetrachloroethane	U		5
	1,2,3-Trichloropropane	U		5
	n-Propyl benzene	U		5
	Bromobenzene	U		5
	1,3,5-Trimethylbenzene	U		5
	2-Chlorotoluene	U		5
	4-Chlorotoluene	U		5
	tert-Butylbenzene	U		5
	1,2,4-Trimethylbenzene	U		5
	sec-Butylbenzene	U		5
	p-Isopropyltoluene	U		5
	1,3-Dichlorobenzene	U		5
	1,4-Dichlorobenzene	U		5
	n-Butylbenzene	U		5
	1,2-Dichlorobenzene	U		5
	1,2-Dibromo-3-Chloropropane	U		5
	1,2,4-Trichlorobenzene	U		5
	Hexachlorobutadiene	U		5
	Naphthalene	U		5
	1,2,3-Trichlorobenzene	U		5
	o-Xylene	U		5
	Methyl t-butyl ether	U		5
	Acetone	12	B	5
	Carbon disulfide	U		5
	Vinyl acetate	U		5
	2-Butanone	U		5
	4-Methyl-2-pentanone	U		5
	2-Hexanone	U		5

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	103 %	70-121	OK
Toluene-d8	100 %	81-117	OK
Bromofluorobenzene	93 %	74-121	OK

Percent solid of 97.0 is used for all target compounds.

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
I - Result exceeds industrial surface soil standards.*
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard
R - Result exceeds residential surface soil standards.*

* Flags are based on New Jersey Soil Cleanup Criteria from Site Remediation News Volume 06 Number 1.

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ACCREDITED LABORATORIES, INC.
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER	3066	MATRIX	Soil
SAMPLE NUMBER	9701899	DILUTION FACTOR	1.0
DATA FILE	>09119	DATE EXTRACTED	
CLIENT NAME	AASEI	DATE ANALYZED	02/08/97
FIELD ID	7A-SOUTHSIDE	ANALYZED BY	DAVE

CAS #	COMPOUND	UG/KG		MDL
	Dichlorodifluoromethane	U		5
	Chloromethane	U		5
	Vinyl Chloride	U		5
	Bromomethane	U		5
	Chloroethane	U		5
	Trichlorofluoromethane	U		5
	1,1-Dichloroethene	U		5
	Methylene Chloride	U		5
	trans-1,2-Dichloroethene	U		5
	1,1-Dichloroethane	U		5
	2,2-Dichloropropane	U		5
	cis-1,2-dichloroethene	U		5
	Chloroform	U		5
	Bromochloromethane	U		5
	1,1,1-Trichloroethane	U		5
	1,1-Dichloropropene	U		5
	Carbon Tetrachloride	U		5
	1,2-Dichloroethane	U		5
	Benzene	U		5
	Trichloroethene	U		5
	1,2-Dichloropropane	U		5
	Bromodichloromethane	U		5
	Dibromomethane	U		5
	cis-1,3-dichloropropene	U		5
	Toluene	U		5
	trans-1,3-Dichloropropene	U		5
	1,1,2-Trichloroethane	U		5
	1,3-dichloropropane	U		5
	Tetrachloroethene	U		5
	Dibromochloromethane	U		5
	1,2-Dibromoethane	U		5
	Ethylbenzene	U		5
	Chlorobenzene	U		5

CAS #	COMPOUND	UG/KG		MDL
	1,1,1,2-Tetrachloroethane	U		5
	m,p-Xylene	U		10
	Styrene	U		5
	Isopropylbenzene	U		5
	Bromoform	U		5
	1,1,2,2-Tetrachloroethane	U		5
	1,2,3-Trichloropropane	U		5
	n-Propyl benzene	U		5
	Bromobenzene	U		5
	1,3,5-Trimethylbenzene	U		5
	2-Chlorotoluene	U		5
	4-Chlorotoluene	U		5
	tert-Butylbenzene	U		5
	1,2,4-Trimethylbenzene	U		5
	sec-Butylbenzene	U		5
	p-Isopropyltoluene	U		5
	1,3-Dichlorobenzene	U		5
	1,4-Dichlorobenzene	U		5
	n-Butylbenzene	U		5
	1,2-Dichlorobenzene	U		5
	1,2-Dibromo-3-Chloropropane	U		5
	1,2,4-Trichlorobenzene	U		5
	Hexachlorobutadiene	U		5
	Naphthalene	U		5
	1,2,3-Trichlorobenzene	U		5
	o-Xylene	U		5
	Methyl t-butyl ether	U		5
	Acetone	10	B	5
	Carbon disulfide	U		5
	Vinyl acetate	U		5
	2-Butanone	U		5
	4-Methyl-2-pentanone	U		5
	2-Hexanone	U		5

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	104 %	70-121	OK
Toluene-d8	101 %	81-117	OK
Bromofluorobenzene	93 %	74-121	OK

Percent solid of 97.3 is used for all target compounds.

J - Indicates compound concentration found below MDL.
U - Indicates compound analyzed for but not detected,
D - Indicates result is based on a dilution.
I - Result exceeds industrial surface soil standards.*
B - Indicates compound found in associated blank.
E - Indicates result exceeds highest calibration standard
R - Result exceeds residential surface soil standards.*

* Flags are based on New Jersey Soil Cleanup Criteria from Site Remediation News Volume 06 Number 1.

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 2976
Sample #: 9701590
Field ID: 1 BR 1100
Client Name: AAESI

Matrix: Soil
Date Received: 01/29/97

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	883	13.1	1	P	02/04/97
7440-36-0	Antimony	ND	6.54	1	P	02/03/97
7440-38-2	Arsenic	.828	.513	1	F	02/03/97
7440-39-3	Barium	3.51	1.96	1	P	02/03/97
7440-41-7	Beryllium	ND	.327	1	P	02/04/97
7440-43-9	Cadmium	ND	.654	1	P	02/04/97
7440-70-2	Calcium	205	65.4	1	P	02/03/97
7440-47-3	Chromium	6.00	1.96	1	P	02/04/97
7440-48-4	Cobalt	ND	1.96	1	P	02/03/97
7440-50-8	Copper	2.77	1.96	1	P	02/03/97
7439-89-6	Iron	5440	6.54	1	P	02/03/97
7439-92-1	Lead	ND	19.6	1	P	02/03/97
7439-95-4	Magnesium	202	32.7	1	P	02/03/97
7439-96-5	Manganese	59.9	.981	1	P	02/04/97
7439-97-6	Mercury	ND	.510	1	CV	02/03/97
7440-02-0	Nickel	ND	2.62	1	P	02/03/97
7440-09-7	Potassium	ND	327	1	P	02/03/97
7782-49-2	Selenium	ND	.321	1	F	02/04/97
7440-22-4	Silver	ND	.654	1	P	02/03/97
7440-23-5	Sodium	ND	65.4	1	P	02/03/97
7440-28-0	Thallium	ND	.642	1	F	02/04/97
7440-62-2	Vanadium	4.15	3.27	1	P	02/03/97
7440-66-6	Zinc	6.54	6.54	1	P	02/03/97

Percent Solid of 98.0 is used for all target elements

ND - Element analyzed for but not detected.
P - Analyzed by ICP
CV - Analyzed by Cold Vapor
F - Analyzed by GFA
A - Analyzed by flame AA

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 2976
Sample #: 9701591
Field ID: 2VB1145
Client Name: AAESI

Matrix: Soil
Date Received: 01/29/97

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	1130	13.5	1	P	02/04/97
7440-36-0	Antimony	ND	6.75	1	P	02/03/97
7440-38-2	Arsenic	.917	.544	1	F	02/03/97
7440-39-3	Barium	8.57	2.03	1	P	02/03/97
7440-41-7	Beryllium	ND	.338	1	P	02/04/97
7440-43-9	Cadmium	ND	.675	1	P	02/04/97
7440-70-2	Calcium	233	67.5	1	P	02/03/97
7440-47-3	Chromium	3.34	2.03	1	P	02/04/97
7440-48-4	Cobalt	3.40	2.03	1	P	02/03/97
7440-50-8	Copper	3.00	2.03	1	P	02/03/97
7439-89-6	Iron	3350	6.75	1	P	02/03/97
7439-92-1	Lead	ND	20.3	1	P	02/03/97
7439-95-4	Magnesium	448	33.8	1	P	02/03/97
7439-96-5	Manganese	67.5	1.01	1	P	02/04/97
7439-97-6	Mercury	ND	.510	1	CV	02/03/97
7440-02-0	Nickel	ND	2.70	1	P	02/03/97
7440-09-7	Potassium	ND	338	1	P	02/03/97
7782-49-2	Selenium	ND	.340	1	F	02/04/97
7440-22-4	Silver	ND	.675	1	P	02/03/97
7440-23-5	Sodium	75.6	67.5	1	P	02/03/97
7440-28-0	Thallium	ND	.680	1	F	02/04/97
7440-62-2	Vanadium	3.71	3.38	1	P	02/03/97
7440-66-6	Zinc	7.36	6.75	1	P	02/03/97

Percent Solid of 98.1 is used for all target elements

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

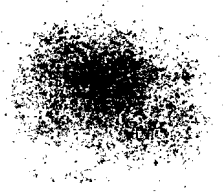
Case #: 2976
Sample #: 9701592
Field ID: 3MR1520
Client Name: AAESI

Matrix: Soil
Date Received: 01/29/97

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	809	13.5	1	P	02/04/97
7440-36-0	Antimony	ND	6.74	1	P	02/03/97
7440-38-2	Arsenic	1.30	.522	1	F	02/04/97
7440-39-3	Barium	3.46	2.02	1	P	02/03/97
7440-41-7	Beryllium	ND	.337	1	P	02/04/97
7440-43-9	Cadmium	ND	.674	1	P	02/04/97
7440-70-2	Calcium	193	67.4	1	P	02/03/97
7440-47-3	Chromium	4.94	2.02	1	P	02/04/97
7440-48-4	Cobalt	ND	2.02	1	P	02/03/97
7440-50-8	Copper	2.21	2.02	1	P	02/03/97
7439-89-6	Iron	2570	6.74	1	P	02/03/97
7439-92-1	Lead	ND	20.2	1	P	02/03/97
7439-95-4	Magnesium	202	33.7	1	P	02/03/97
7439-96-5	Manganese	28.2	1.01	1	P	02/04/97
7439-97-6	Mercury	ND	.506	1	CV	02/03/97
7440-02-0	Nickel	ND	2.70	1	P	02/03/97
7440-09-7	Potassium	ND	337	1	P	02/03/97
7782-49-2	Selenium	ND	.326	1	F	02/04/97
7440-22-4	Silver	ND	.674	1	P	02/03/97
7440-23-5	Sodium	ND	67.4	1	P	02/03/97
7440-28-0	Thallium	ND	.652	1	F	02/04/97
7440-62-2	Vanadium	ND	3.37	1	P	02/03/97
7440-66-6	Zinc	ND	6.74	1	P	02/03/97

Percent Solid of 98.9 is used for all target elements

ND - Element analyzed for but not detected.
P - Analyzed by ICP
CV - Analyzed by Cold Vapor
F - Analyzed by GFA
A - Analyzed by flame AA



ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 3066
Sample #: 9701892
Field ID: 4-INSIDE
Client Name: AASEI

Matrix: Soil
Date Received: 02/04/97

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	689	13.3	1	P	02/14/97
7440-36-0	Antimony	ND	6.63	1	P	02/14/97
7440-38-2	Arsenic	1.30	.527	1	F	02/06/97
7440-39-3	Barium	5.91	1.99	1	P	02/14/97
7440-41-7	Beryllium	ND	.331	1	P	02/14/97
7440-43-9	Cadmium	ND	.663	1	P	02/14/97
7440-70-2	Calcium	175	66.3	1	P	02/14/97
7440-47-3	Chromium	2.82	1.99	1	P	02/14/97
7440-48-4	Cobalt	ND	1.99	1	P	02/14/97
7440-50-8	Copper	2.35	1.99	1	P	02/14/97
7439-89-6	Iron	4140	6.63	1	P	02/14/97
7439-92-1	Lead	ND	19.9	1	P	02/14/97
7439-95-4	Magnesium	216	33.1	1	P	02/14/97
7439-96-5	Manganese	67.6	.994	1	P	02/14/97
7439-97-6	Mercury	ND	.510	1	CV	02/07/97
7440-02-0	Nickel	ND	2.65	1	P	02/14/97
7440-09-7	Potassium	ND	331	1	P	02/14/97
7782-49-2	Selenium	ND	.329	1	F	02/06/97
7440-22-4	Silver	ND	.663	1	P	02/14/97
7440-23-5	Sodium	ND	66.3	1	P	02/14/97
7440-28-0	Thallium	ND	.658	1	F	02/07/97
7440-62-2	Vanadium	ND	3.31	1	P	02/14/97
7440-66-6	Zinc	ND	6.63	1	P	02/14/97

Percent Solid of 98.0 is used for all target elements

ND - Element analyzed for but not detected.
P - Analyzed by ICP
CV - Analyzed by Cold Vapor
F - Analyzed by GFA
A - Analyzed by flame AA

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 3066
Sample #: 9701894
Field ID: 5-SOUTHSIDE
Client Name: AASEI

Matrix: Soil
Date Received: 02/04/97

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	888	13.6	1	P	02/14/97
7440-36-0	Antimony	ND	6.78	1	P	02/14/97
7440-38-2	Arsenic	ND	.532	1	F	02/06/97
7440-39-3	Barium	6.38	2.03	1	P	02/14/97
7440-41-7	Beryllium	ND	.339	1	P	02/14/97
7440-43-9	Cadmium	ND	.678	1	P	02/14/97
7440-70-2	Calcium	594	67.8	1	P	02/14/97
7440-47-3	Chromium	29.5	2.03	1	P	02/14/97
7440-48-4	Cobalt	ND	2.03	1	P	02/14/97
7440-50-8	Copper	4.45	2.03	1	P	02/14/97
7439-89-6	Iron	5810	6.78	1	P	02/14/97
7439-92-1	Lead	ND	20.3	1	P	02/14/97
7439-95-4	Magnesium	402	33.9	1	P	02/14/97
7439-96-5	Manganese	71.1	1.02	1	P	02/14/97
7439-97-6	Mercury	ND	.515	1	CV	02/07/97
7440-02-0	Nickel	16.3	2.71	1	P	02/14/97
7440-09-7	Potassium	ND	339	1	P	02/14/97
7782-49-2	Selenium	ND	.332	1	F	02/06/97
7440-22-4	Silver	ND	.678	1	P	02/14/97
7440-23-5	Sodium	97.6	67.8	1	P	02/14/97
7440-28-0	Thallium	ND	.664	1	F	02/07/97
7440-62-2	Vanadium	3.58	3.39	1	P	02/14/97
7440-66-6	Zinc	9.82	6.78	1	P	02/14/97

Percent Solid of 97.1 is used for all target elements

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 3066
Sample #: 9701896
Field ID: 6-NORTHSIDE
Client Name: AASEI

Matrix: Soil
Date Received: 02/04/97

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	596	13.4	1	P	02/14/97
7440-36-0	Antimony	ND	6.69	1	P	02/14/97
7440-38-2	Arsenic	ND	.518	1	F	02/06/97
7440-39-3	Barium	4.31	2.01	1	P	02/14/97
7440-41-7	Beryllium	ND	.334	1	P	02/14/97
7440-43-9	Cadmium	ND	.669	1	P	02/14/97
7440-70-2	Calcium	250	66.9	1	P	02/14/97
7440-47-3	Chromium	5.89	2.01	1	P	02/14/97
7440-48-4	Cobalt	ND	2.01	1	P	02/14/97
7440-50-8	Copper	2.42	2.01	1	P	02/14/97
7439-89-6	Iron	1940	6.69	1	P	02/14/97
7439-92-1	Lead	ND	20.1	1	P	02/14/97
7439-95-4	Magnesium	232	33.4	1	P	02/14/97
7439-96-5	Manganese	37.9	1.00	1	P	02/14/97
7439-97-6	Mercury	ND	.515	1	CV	02/07/97
7440-02-0	Nickel	6.18	2.67	1	P	02/14/97
7440-09-7	Potassium	ND	334	1	P	02/14/97
7782-49-2	Selenium	ND	.324	1	F	02/06/97
7440-22-4	Silver	ND	.669	1	P	02/14/97
7440-23-5	Sodium	80.2	66.9	1	P	02/14/97
7440-28-0	Thallium	ND	.648	1	F	02/07/97
7440-62-2	Vanadium	ND	3.34	1	P	02/14/97
7440-66-6	Zinc	ND	6.69	1	P	02/14/97

Percent Solid of 97.1 is used for all target elements

ND - Element analyzed for but not detected.
P - Analyzed by ICP
CV - Analyzed by Cold Vapor
F - Analyzed by GFA
A - Analyzed by flame AA

ACCREDITED LABORATORIES, INC.
INORGANIC ANALYSIS DATA SHEET

Case #: 3066
Sample #: 9701898
Field ID: 7-SOUTHSIDE
Client Name: AASEI

Matrix: Soil
Date Received: 02/04/97

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	530	13.4	1	P	02/14/97
7440-36-0	Antimony	ND	6.70	1	P	02/14/97
7440-38-2	Arsenic	.762	.539	1	F	02/06/97
7440-39-3	Barium	2.97	2.01	1	P	02/14/97
7440-41-7	Beryllium	ND	.335	1	P	02/14/97
7440-43-9	Cadmium	ND	.670	1	P	02/14/97
7440-70-2	Calcium	220	67.0	1	P	02/14/97
7440-47-3	Chromium	2.50	2.01	1	P	02/14/97
7440-48-4	Cobalt	ND	2.01	1	P	02/14/97
7440-50-8	Copper	2.14	2.01	1	P	02/14/97
7439-89-6	Iron	2350	6.70	1	P	02/14/97
7439-92-1	Lead	ND	20.1	1	P	02/14/97
7439-95-4	Magnesium	217	33.5	1	P	02/14/97
7439-96-5	Manganese	33.8	1.00	1	P	02/14/97
7439-97-6	Mercury	ND	.512	1	CV	02/07/97
7440-02-0	Nickel	ND	2.68	1	P	02/14/97
7440-09-7	Potassium	ND	335	1	P	02/14/97
7782-49-2	Selenium	ND	.337	1	F	02/06/97
7440-22-4	Silver	ND	.670	1	P	02/14/97
7440-23-5	Sodium	76.3	67.0	1	P	02/14/97
7440-28-0	Thallium	ND	.674	1	F	02/07/97
7440-62-2	Vanadium	ND	3.35	1	P	02/14/97
7440-66-6	Zinc	8.64	6.70	1	P	02/14/97

Percent Solid of 97.6 is used for all target elements

ND - Element analyzed for but not detected.
P - Analyzed by ICP
CV - Analyzed by Cold Vapor
F - Analyzed by GFA
A - Analyzed by flame AA

Secondary Geoprobe Groundwater Samples
Adjacent to Monitoring Wells

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale, NY 11735 · Fax: 516-249-6344 · Phone: 516-249-1456

ANALYSIS REPORT - Miscellaneous Volatiles by 624

06/03/97

Project
Met Life
50 Marcus Dr
NY
Manager: CBS

Custody Document F5136
Received: 06/02/97 12:00 AM
Sampled by: P Kumar
Job Number:

Sample 2 MW-1
Custody: F5136 Type: Grab
Collected: 05/31/97 8:55 AM Matrix: Liquid
Location: 5' E from Monitoring Well #1
Remarks:

Analysis Information
Analyzed: 06/02/97
Remarks: See Case Narrative

Analyte	Concentration	Units	Dilution	MDL	Units
Tetrachloroethene	<0.21	ppb	1	0.21	ppb
Trichloroethene	<0.14	ppb	1	0.14	ppb

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=in blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

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ANALYSIS REPORT - Miscellaneous Volatiles by 624

06/03/97

Project
Met Life
50 Marcus Dr
NY
Manager: CBS

Custody Document F5136
Received: 06/02/97 12:00 AM
Sampled by: P Kumar
Job Number:

Sample MG2
Custody: F5136 Type: Grab
Collected: 05/31/97 10:35 AM Matrix: Liquid
Location: 5' W from Monitoring Well #2
Remarks:

Analysis Information
Analyzed: 06/02/97
Remarks: See Case Narrative

Analyte	Concentration	Units	Dilution	MDL	Units
Tetrachloroethene	6.2	ppb	1	0.21	ppb
Trichloroethene	1.6	ppb	1	0.14	ppb

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=In blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

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ANALYSIS REPORT - Miscellaneous Volatiles by 624

06/03/97

Project
Met Life
50 Marcus Dr
NY
Manager: CBS

Custody Document F5136
Received: 06/02/97 12:00 AM
Sampled by: P Kumar
Job Number:

Sample MG3
Custody: F5136 Type: Grab
Collected: 05/31/97 11.00 AM Matrix: Liquid
Location: 5' S from Monitoring Well #3
Remarks:

Analysis Information
Analyzed: 06/02/97
Remarks: See Case Narrative

Analyte	Concentration	Units	Dilution	MDL	Units
Tetrachloroethene	6.8	ppb	1	0.21	ppb
Trichloroethene	<0.14	ppb	1	0.14	ppb

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=In blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

Method
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ANALYSIS REPORT - Miscellaneous Volatiles by 624

06/03/97

Project
Met Life
50 Marcus Dr
NY
Manager: CBS

Custody Document F5136
Received: 06/02/97 12:00 AM
Sampled by: P Kumar
Job Number:

Sample MW4
Custody: F5136 Type: Grab
Collected: 05/31/97 12:05 PM Matrix: Liquid
Location: 5' N from Monitoring Well #4
Remarks:

Analysis Information
Analyzed: 06/02/97
Remarks: See Case Narrative

Analyte	Concentration	Units	Dilution	MDL	Units
Tetrachloroethene	11.3	ppb	1	0.21	ppb
Trichloroethene	2.6	ppb	1	0.14	ppb

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=In blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

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ANALYSIS REPORT - Miscellaneous Volatiles by 624

06/03/97

Project
Met Life
50 Marcus Dr
NY
Manager: CBS

Custody Document F5136
Received: 06/02/97 12:00 AM
Sampled by: P Kumar
Job Number:

Sample 1 MW5
Custody: F5136 Type: Grab
Collected: 05/31/97 7:50 AM Matrix: Liquid
Location: 5' N from Monitoring Well #5
Remarks:

Analysis Information
Analyzed: 06/02/97
Remarks: See Case Narrative

Analyte	Concentration	Units	Dilution	MDL	Units
Tetrachloroethene	3.5	ppb	1	0.21	ppb
Trichloroethene	2.6	ppb	1	0.14	ppb

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To CBS | From Maureen
Co./Dept. | Co.
Phone # | Phone #
Fax # | Fax #

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=In blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

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ANALYSIS REPORT - Miscellaneous Volatiles by 624

06/03/97

Project
Met Life
50 Marcus Dr
NY
Manager: CBS

Custody Document F5136
Received: 06/02/97 12:00 AM
Sampled by: P Kumar
Job Number:

Sample 7 MW6
Custody: F5136 Type: Grab
Collected: 05/31/97 1:02 PM Matrix: Liquid
Location: 5' S from Monitoring Well #6
Remarks:

Analysis Information
Analyzed: 06/02/97
Remarks: See Case Narrative

Analyte	Concentration	Units	Dilution	MDL	Units
Tetrachloroethene	11.0	ppb	1	0.21	ppb
Trichloroethene	2.5	ppb	1	0.14	ppb

Reviewed by: _____

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=In blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

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ANALYSIS REPORT - Miscellaneous Volatiles by 624

06/03/97

Project
Met Life
50 Marcus Dr
NY
Manager: CBS

Custody Document F5136
Received: 06/02/97 12:00 AM
Sampled by: P Kumar
Job Number:

Sample 2 MW7
Custody: F5136 Type: Grab
Collected: 05/31/97 9:45 AM Matrix: Liquid
Location: 6' E from Monitoring Well #7
Remarks:

Analysis Information
Analyzed: 06/02/97
Remarks: See Case Narrative

Analyte	Concentration	Units	Dilution	MDL	Units
Tetrachloroethene	53.8	ppb	1	0.21	ppb
Trichloroethene	2.6	ppb	1	0.14	ppb

ppb=ug/L, ug/Kg; ppm=mg/L, mg/Kg; ND=Not Detected; B=In blank; NA=Not Analyzed; MDL=Method Detection Limit; nd=Not Determined; E=Quantitated Above Calibration; IDL=Instrument Detection Limit. Soil sample based on dry weight basis; Air MDLs based on 1 L of sample. ELAP Cert #10969.

Method
The Tyree Organization