

AQUATERRA

E n v i r o n m e n t a l S e r v i c e s C o r p

PHASE II ENVIRONMENTAL AUDIT

**252-258 3RD STREET
BROOKLYN, NEW YORK
AT91-P2-008**

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AquaTerra Environmental Services Corp.

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EXECUTIVE SUMMARY

AquaTerra's Phase II Environmental Audit of the property located at 252-258 3rd Street, Brooklyn, New York, found small amounts of Volatile Organic Compounds (VOC) and TCLP Metal contaminants in the soil samples collect from the property. VOC contaminants detected included methylene chloride, m,p,o-xylene, toluene and chlorobenzene. TCLP Metal contaminants detected included lead, barium, arsenic and chromium.

The amounts of VOC and Metal contaminants detected in soil sample analyses conducted to date, were found to be below current and/or proposed regulatory levels set by United States Environmental Protection Agency (USEPA) and the New York State Department of Environmental Conservation (NYSDEC).

Based on a review of analytical data and current and proposed regulatory guidelines, as well as interviews with NYSDEC and USEPA officials, no further action is recommended at this time.

TABLE OF CONTENTS:

<u>SECTIONS:</u>	<u>PAGE #</u>
I. INTRODUCTION	1
II. PROPERTY DESCRIPTION	1
III. SITE HISTORY	3
IV. SAMPLING PLAN	3
V. SAMPLE COLLECTION AND ANALYSIS	6
VI. SAMPLE RESULTS	6-11
VII. RECOMMENDATIONS	12

FIGURES:

FIGURE 1:	SITE LOCATION MAP	2
FIGURE 2:	SAMPLING AREA	4
FIGURE 3:	SAMPLING PLAN	5

TABLES:

TABLE 1:	VOLATILE ORGANIC COMPOUND RESULTS	7-8
TABLE 2:	TOXIC CHARACTERISTICS LEACHING PROCESS METALS-RESULTS	9-10

APPENDICES:

LABORATORY ANALYTICAL DATA	APPENDIX A
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I INTRODUCTION:

AquaTerra Environmental Services Corporation was retained by Mr. Richard Zirinsky to conduct a Phase II Environmental Audit of the property located at 252-258 3rd Street, Brooklyn, New York for Marine Midland Bank. The Phase II Environmental Audit scope of work were as that prescribed by AquaTerra's Phase I Environmental Audit.

AquaTerra's Phase I Environmental Audit concluded that the subject property, at present a parking lot, was the site of a metal plating and auto-body repair facility from 1968 to 1974 and approximately 85% of the lot was unpaved during the tenant's occupation of the property.

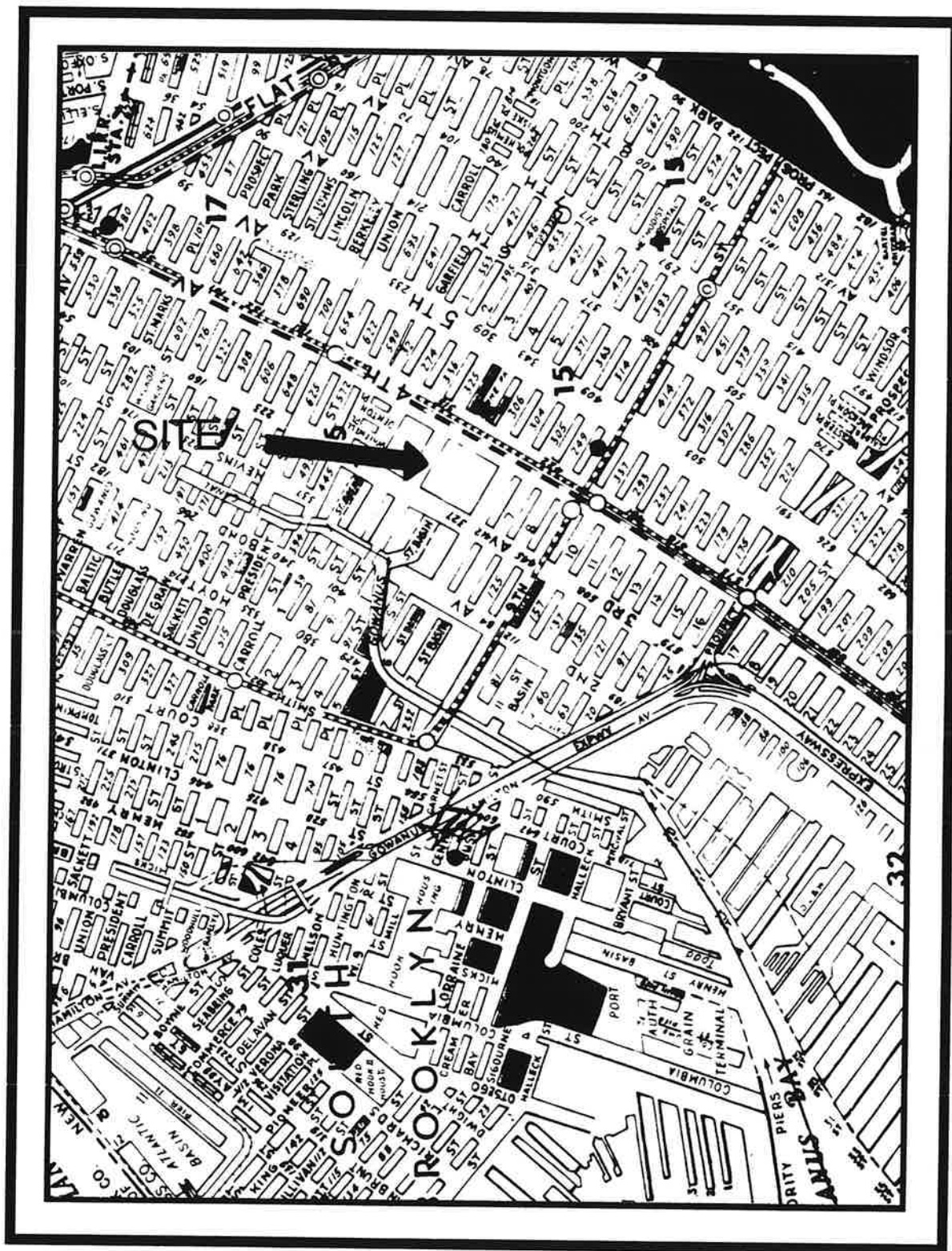
Given the operational history of the site from 1968 to 1974 and the large unpaved area on the property, the Phase I Audit report concluded that the potential for contamination above background levels resulting from spillage or release of chemicals and waste may exist on the property. The report recommended that soil sampling be conducted on the subject property to determine if contaminants such as VOC and metals are present in the soil. Sampling of the the soils was recommended on the portion of the property which was not occupied by the building at a depth between 2 and 5 feet.

AquaTerra's Phase II Environmental Audit included the development of a sampling plan incorporating a biased and systematic sampling strategy and the collection of soil samples from designated areas. A total of eleven sampling locations were designated and twenty-two discreet samples were collected for laboratory analyses of VOC and TCLP Metals.

II PROPERTY DESCRIPTION:

The subject property, designated as tax block 980, tax lot 19, is located at 252 3rd Street between 3rd Avenue and 4th Avenue in Brooklyn, New York. Please refer to Figure 1, Site Location Map. The subject lot measures approximately 26,000 square feet and is enclosed within a chain link fence along the north, south and west sides of the property and is abutted by a brick building to the east. There are no buildings or structures on the subject property. The ground cover of the lot is gravel over packed dirt and fill material that includes stones and brick. The property is currently leased to Consolidated Edison Co. and is used as a parking facility for Consolidated Edison Co.'s employees.

FIGURE 1: SITE LOCATION MAP



III. SITE HISTORY:

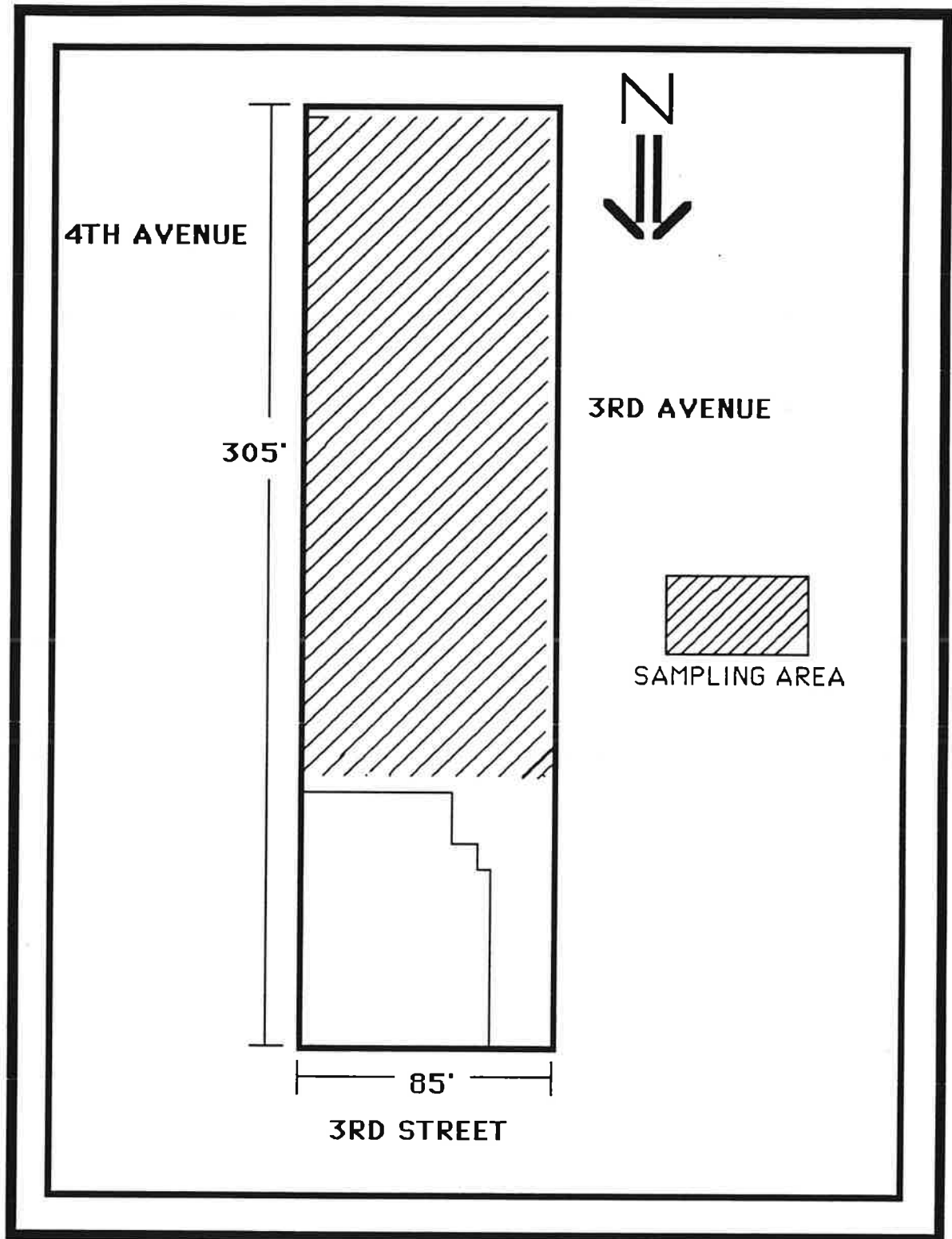
A review of records for the subject property at the Kings County Department of Buildings indicated that a one story building with cellar once occupied the subject property and was subsequently demolished in 1974. The building was used as a soap manufacturing factory as far back as 1951 and was subsequently altered in 1968 into a metal plating and auto-body repair facility.

A questionnaire submitted by AquaTerra to Mr. Richard Zirinsky and Mr. Alfred Sideman to determine the operational activity of the metal plating and auto-body repair facility determined that the metal plating and auto-body repair facility occupied approximately 4,000 square feet of the 26,000 square foot lot. The remainder of the lot was unpaved. The entire building including the cellar was demolished in 1974, and all construction debris was disposed of off-site. The excavated area was filled in with a combination of new soil, regraded soil and construction debris.

IV. SAMPLING PLAN:

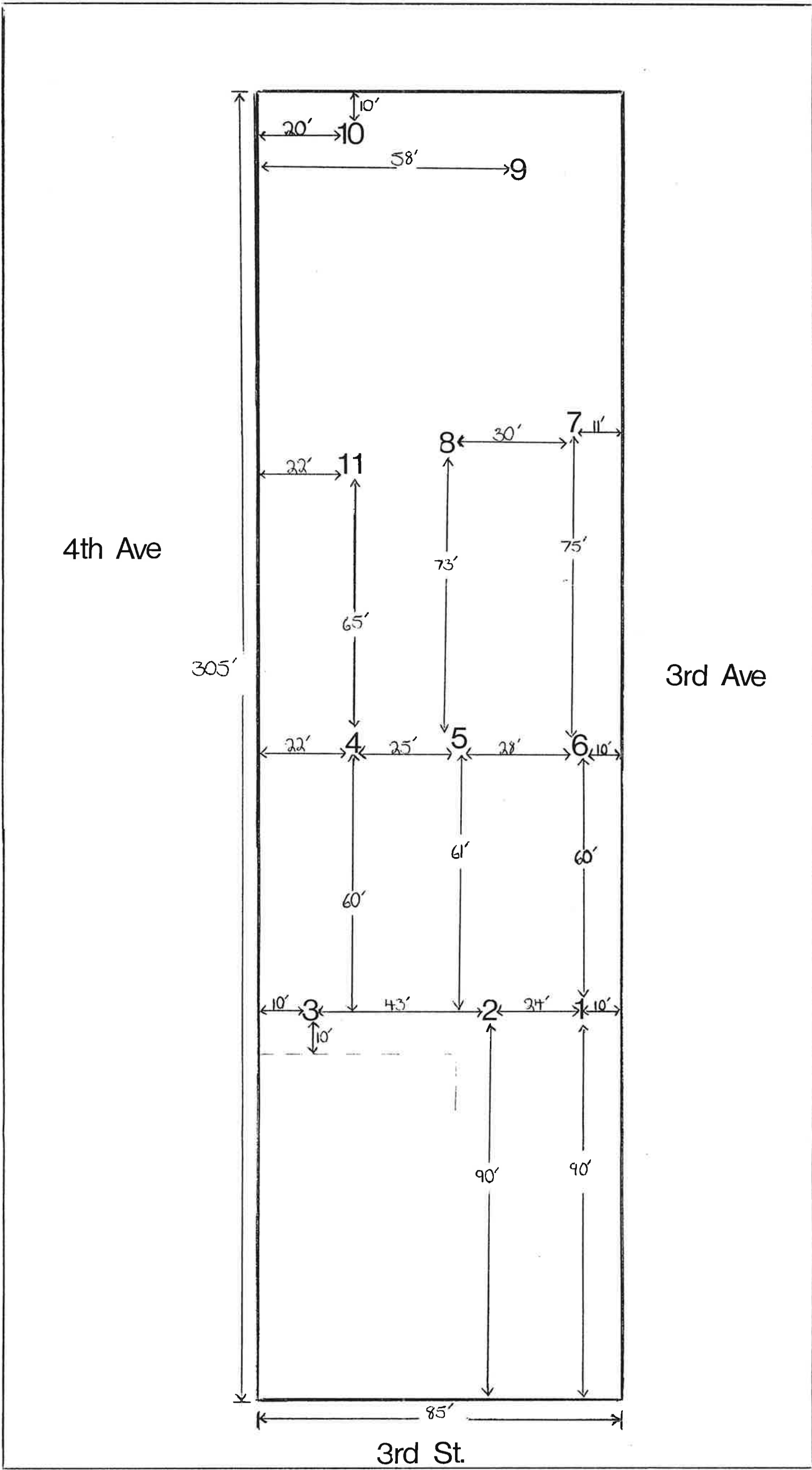
A sampling plan incorporating a biased and systematic sampling strategy was developed by AquaTerra to collect the necessary samples from the subject site. A biased sampling strategy was employed to limit the sampling area to those areas noted to be unpaved and not occupied by the building housing the metal plating and auto-body repair shop. The sampling area was defined using building records and interviews cited in the Phase I Environmental Audit. Please refer to Figure 2, Sampling Area Map. Once the sampling area was defined a systematic sampling strategy was employed to designate specific sample locations. The initial sampling plan proposed samples to be collected at approximately 60-70 foot intervals going north to south, and approximately 30 foot intervals going east to west. However, because of field conditions, including subsurface obstructions and construction materials, modifications in the sampling locations were implemented. Please refer to Figure 3 for soil boring and sample collection locations.

FIGURE 2: SAMPLING AREA



NOTE: NOT TO SCALE

SAMPLING PLAN 2



V. SAMPLE COLLECTION AND ANALYSIS:

A total of 11 soil borings were conducted on the subject property. All soil borings were developed using a 8 inch drill bit advanced to the desired depth of 3 feet with a drill rig. Once the desired depth of 3 feet was obtained, a decontaminated spilt spoon sampler was advanced by the drill rig. Upon retrieval of the spilt spoon sampler, the sampler was opened and its contents were immediately transferred into a laboratory supplied clean sampling bottle with a discrete teflon spoon. During the drilling activity, AquaTerra routinely screened the drill cuttings and soil boring hole with a photo ionizing detector, Thermo-Environmental Instruments 580B OVM.

A total of 22 soil samples were collected from the 11 soil borings noted in Figure 2. Of the 22 samples collected, 11 samples were collected and sent for laboratory analysis of VOC (EPA method 8240), and 11 samples were collected and sent for laboratory analysis of TCLP metals (EPA method 1311, 200 Series). In addition, field blanks for VOC and TCLP metals were submitted to the laboratory for Quality Assurance/Quality Control (QA/QC) purposes. All samples collected were submitted to First Environmental Laboratories and subsequently transferred to Accredited Laboratories, Inc., NYSDEC #11109. Chain of Custody (C.O.C) procedures were followed from the point of sample generation to the laboratory receiving the samples for analysis.

VI. SAMPLE RESULTS:

The analytical results for VOC and TCLP metals detected can be found on Table 1 (VOC) and Table 2 (TCLP metals). The complete analytical data can be found in Appendix A.

A. Volatile Organic Compounds:

A review of the analytical data found detectable levels of methylene chloride in soil boring locations 2 through 11. In addition, chlorobenzene was found in soil location 9 and 11, and m,p and o xylene was found in soil boring location 2.

TABLE 1**VOLATILE ORGANIC COMPOUND RESULTS****252-258 3RD STREET
BROOKLYN, NEW YORK**

LOCATION	VOLATILE ORGANIC C COMPOUNDS	LAB RESULTS (PPB)	EPA ACTION LEVEL HEAST* HEALTH STANDARDS	NYSDEC REGULATORY LEVELS	NYSDEC ALLOWABLE CONCENTRATION IN SOIL (PPB)**
LOCATION 1	NO VOC COMPOUNDS FOUND ABOVE MINIMUM DETECTABLE LIMIT (MDL)	-----	-----	-----	-----
LOCATION 2	METHYLENE CHLORIDE	6 PPB	93 PPM	NO LEVELS LISTED	0.04 PPB
	M,P-XYLENE	11 PPB	2.0X10 ⁵ PPM	NO LEVELS LISTED	12 PPB
	O-XYLENE	7 PPB	2.0X10 ⁵ PPM	NO LEVELS LISTED	12 PPB
LOCATION 3	METHYLENE CHLORIDE	6 PPB	93 PPM	NO LEVELS LISTED	0.04 PPB
LOCATION 4	METHYLENE CHLORIDE	8 PPB	93 PPM	NO LEVELS LISTED	0.04 PPB
LOCATION 5	METHYLENE CHLORIDE	8 PPB	93 PPM	NO LEVELS LISTED	0.04 PPB
LOCATION 6	METHYLENE CHLORIDE	7 PPB	93 PPM	NO LEVELS LISTED	0.04 PPB

* NOTE: VALUES OBTAINED FROM USEPA HEALTH EFFECTS ASSESSMENT SUMMARY TABLE (HEAST) REPORT FOR HUMAN DIRECT INGESTION SOIL CONCENTRATIONS.

**NOTE: VALUES DERIVED FROM "WATER -SOIL PARTITION THEORY " MODEL / $C_s = F \times K_{oc} \times C_w$

TABLE 1: VOC DATA

TABLE 1 [CONTINUED]**VOLATILE ORGANIC COMPOUND RESULTS****252-258 3RD STREET
BROOKLYN, NEW YORK**

LOCATION	VOLATILE ORGANIC C COMPOUNDS	LAB RESULTS (PPB)	EPA ACTION LEVEL HEAST* HEALTH STANDARDS	NYSDEC REGULATORY LEVELS	NYSDEC ALLOWABLE CONCENTRATION IN SOIL (PPB)**
LOCATION 7	METHYLENE CHLORIDE	6 PPB	93 PPM	NO LEVELS LISTED	0.04 PPB
LOCATION 8	METHYLENE CHLORIDE	14 PPB	93 PPM		0.04 PPB
LOCATION 9	CHLOROBENZENE	10 PPB	2.0×10^3 PPM	75 PPM	NO VALUES LISTED 0.04 PPB
	METHYLENE CHLORIDE	9 PPB	93 PPM	500 PPM	
LOCATION 10	METHYLENE CHLORIDE	9 PPB	93 PPM	500 PPM	0.04 PPB
LOCATION 11	CHLOROBENZENE	11 PPB	2.0×10^3 PPM	100 PPM	NO VALUES LISTED 0.04 PPB
	METHYLENE CHLORIDE	8 PPB	93 PPM	NO LEVELS LISTED	

COMMENTS: VOC CONSTITUENTS FOUND IN SAMPLES WERE BELOW EPA ACTION LEVEL STANDARDS AND HEAST HEALTH STANDARDS.

VOC CONSTITUENTS FOUND IN SAMPLES, FOR THOSE VOC CONSTITUENTS FOR WHICH NYSDEC HAS SET REGULATORY LEVELS, WERE FOUND TO BE BELOW NYSDEC REGULATORY LEVELS.

THE LEVELS OF METHYLENE CHLORIDE IN SAMPLES COLLECTED WERE GREATER THAN NYSDEC ALLOWABLE CONCENTRATION OF METHYLENE CHLORIDE IN SOIL. THE VALUE WAS DERIVED USING THE "WATER-SOIL PARTITION THEORY" MODEL AND IS USED TO PREDICT THE POTENTIAL FOR THE CONSTITUENT TO LEACH INTO THE GROUNDWATER. HOWEVER, BECAUSE THE GROUNDWATER IN BROOKLYN AND THE NEW YORK CITY AREA IS NOT POTABLE WATER SOURCE. THE VALUE DERIVED IS A LOW PRIORITY FOR THIS PARTICULAR SITE.

TABLE 1: VOC DATA

TABLE 2

**TOXIC CHARACTERISTIC LEACHING PROCEDURE (TCLP) METALS
252-258 3RD STREET
BROOKLYN, NEW YORK**

LOCATION	TCLP METALS	LAB RESULTS (PPM)	EPA ACTION LEVEL HEAST* HEALTH STANDARDS	NYSDEC REGULATORY LEVELS
LOCATION 1	BARIUM	0.55 PPM	4.0×10^3 PPM	100 PPM
	LEAD	0.63 PPM	2.5×10^2 PPM	5 PPM
LOCATION 2	BARIUM	0.08 PPM	4.0×10^3 PPM	100 PPM
	LEAD	4.92 PPM	2.5×10^2 PPM	5 PPM
LOCATION 3	BARIUM	1.27 PPM	4.0×10^3 PPM	100 PPM
	LEAD	1.37 PPM	2.5×10^2 PPM	5 PPM
LOCATION 4	BARIUM	0.040 PPM	4.0×10^3 PPM	100 PPM
	LEAD	2.05 PPM	2.5×10^2 PPM	5 PPM
	CHROMIUM	0.05 PPM	-----	5.PPM
LOCATION 5	BARIUM	0.68 PPM	4.0×10^3 PPM	100 PPM
	LEAD	0.38 PPM	2.5×10^2 PPM	5 PPM
LOCATION 6	BARIUM	1.26 PPM	4.0×10^3 PPM	100 PPM
	LEAD	1.64 PPM	2.5×10^2 PPM	5 PPM

TABLE 2: TCLP METALS DATA

TABLE 2 [CONTINUED]
TOXIC CHARACTERISTIC LEACHING PROCEDURE (TCLP) METALS
252-258 3RD STREET
BROOKLYN, NEW YORK

LOCATION	TCLP METALS	LAB RESULTS (PPB)	EPA ACTION LEVEL HEAST* HEALTH STANDARDS	NYSDEC REGULATORY LEVELS
LOCATION 7	BARIUM	1.55 PPM	4.0×10^3 PPM	100 PPM
	LEAD	0.74 PPM	2.5×10^2 PPM	5 PPM
LOCATION 8	ARSENIC	0.20 PPM	80 PPM	5 PPM
	BARIUM	2.09 PPM	4.0×10^3 PPM	100 PPM
LOCATION 9	BARIUM	2.22 PPM	4.0×10^3 PPM	100 PPM
	LEAD	1.69 PPM	2.5×10^2 PPM	5 PPM
LOCATION 10	BARIUM	1.00 PPM	4.0×10^3 PPM	100 PPM
LOCATION 11	ARSENIC	0.02 PPM	80 PPM	5 PPM
	BARIUM	2.57 PPM	4.0×10^3 PPM	100 PPM
	LEAD	0.036 PPM	2.5×10^2 PPM	5 PPM

TABLE 2: TCLP METALS DATA

The levels of methylene chloride, chlorobenzene and xylene found in the samples were found to be below current United States Environmental Protection Agency (USEPA) action level standards as stated in proposed regulations for Corrective Action for Solid Waste Management Units at Hazardous Management Facilities (40 CFR Parts 264-5, 270-1, July 27, 1990). The VOC levels detected in the samples were also found to be below concentrations determined to be harmful to humans through direct ingestion of contaminated soils as documented in Human Direct Ingestion Soil Concentrations derived from the Environmental Protection Agency's (EPA's) Health Effect Assessment Summary Table Report.

In addition, the leachability of the VOC's into the groundwater from contaminated soils were measured using the "Water-Soil Partition Theory" model from the Proposed New York State Petroleum Contaminated Soil Guidance document. The levels of m,p and o xylene detected in the samples, using the "Water-Soil Partition Theory" model equation, were predicted to be well below the maximum contaminant concentration of 30 parts per billion (ppb) allowed in soil in xylenes. The model predicted the levels of leachable methylene chloride to be 0.04 ppb. At this level, the model suggests that methylene chloride could leach into groundwater. It must be noted that the maximum allowable concentration of methylene chloride under the "Water-Soil Partition Theory" model is less than the current detectable limits provided by the laboratory. The Water-Soil Partition Theory" model could not be applied to the constituent chlorobenzene. However, the levels of chlorobenzene found in the samples collected were below the proposed NYSDEC regulatory level of 100 parts per million (ppm).

B. Metals:

A review of the analytical data found detectable levels of lead in soil boring locations 1 through 7 and 9. Detectable levels of barium was found in all 11 soil boring locations. In addition, arsenic was found in soil boring locations 8 and 11, and chromium was found in soil boring location 4.

A review of the data found the levels of lead, barium, arsenic and chromium detected in the samples to be below current USEPA action level standards as stated in proposed regulations for Corrective Action for Solid Waste Management Unit at Hazardous Management Facilities (40 CFR Parts 264-5, 270-1, July 27, 1990). The levels of metals detected in the samples were also found to be below concentrations determined to be harmful to humans through direct ingestion of contaminated soils as documented in Human Direct Ingestion Soil Concentrations derived from the EPA's Health Effect Assessment Summary Table Report.

In addition, the levels of lead, barium, arsenic and chromium detected in the samples were found to be below NYSDEC regulatory levels.

APPENDIX A:

LABORATORY ANALYTICAL DATA

VII. RECOMMENDATIONS/CONCLUSIONS

AquaTerra's Phase II Environmental Audit found detectable levels of VOC's, methylene chloride, chlorobenzene and m,p and o-xylene in the low parts per billion range, and detectable levels of TCLP metals, lead, barium, arsenic and chromium in some of the soil samples collected. A review of the analytical data and current and/or proposed USEPA and NYSDEC regulatory guidelines, as well as interviews with USEPA and NYSDEC officials concluded that the levels of VOC and TCLP metals detected in the samples were below current and/or proposed USEPA and NYSDEC regulatory levels.

In addition, with the exception of methylene chloride, the VOC's detected and applicable to the NYSDEC "Water-Soil Partition Theory" model were found to be below levels predicted to leach into the groundwater from contaminated soil. The levels of methylene chloride detected in some of the samples were found to be greater than the calculated allowable levels for soils under this model and therefore could possibly leach into the groundwater. However, this calculated value is less than the detection limits of the laboratory equipment used for analysis. Although the levels of methylene chloride detected were found to be greater than the allowable concentration in soil, the groundwater in Brooklyn and the New York City area is not a potable source of water. Therefore, the potential for contaminants leaching into non-potable groundwater is not a major concern for this particular area.

In conclusion, based on sample analyses results and regulatory guidelines, no further action is recommended on the subject property, at this time.



Santha Wanigasinghe
Environmental Associate
AquaTerra Environmental Services Corp.
July 16, 1991

REVIEWED AND APPROVED BY:



Mark S. Javello
President
AquaTerra Environmental Services Corp.
July 16, 1991

APPENDIX A:

LABORATORY ANALYTICAL DATA

Accredited Laboratories, Inc.

Foot of Pershing Avenue, P.O. Box 369
Carteret, New Jersey 07008-0369
Telephone: (201) 541-2025



ANALYTICAL DATA REPORT

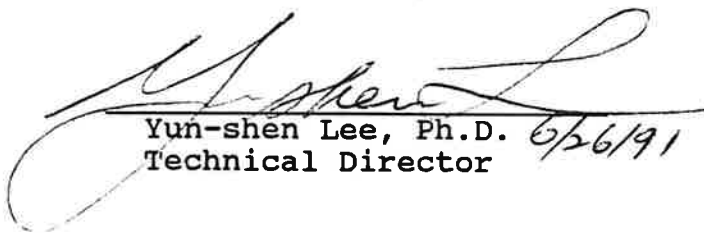
for

Aqua Terra Environmental Services
79 5th Avenue
12th Floor
New York, NY 10003

ACCREDITED LABORATORIES CASE No.: C-807504
DATE RECEIVED: 6/7/91

<u>Client Description</u>	<u>Field ID</u>	<u>Laboratory Sample</u>
Soil	Location #1	9103150
"	" #2	9103151
"	" #3	9103152
"	" #4	9103153
"	" #5	9103154
"	" #6	9103155
"	" #7	9103156
"	" #8	9103157
"	" #9	9103158
"	" #10	9103159
"	" #11	9103160
Aqueous	Field Blank	9103161

Accredited Laboratories, Inc. New York Certification Number 11109. This data has been reviewed and accepted by:


Yun-shen Lee, Ph.D. 6/26/91
Technical Director

YSL:jp

A Subsidiary of AMAX

ACCREDITED LABORATORIES, INC
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER 7504
SAMPLE NUMBER 9103150
DATA FILE 105289
CLIENT NAME FEL
FIELD ID LOC #1

MATRIX Soil
DILUTION FACTOR 1.00
DATE EXTRACTED
DATE ANALYZED 06/11/91
ANALYZED BY PAUL

Cas #	Compound	UG/KG	MDL
67641	Acetone	U	11
107028	Acrolein	U	56
107131	Acrylonitrile	U	6
71432	Benzene	U	6
75274	Bromodichloromethane	U	6
75052	Bromoform	U	6
74839	Bromomethane	U	11
78953	2-Butanone	U	11
75150	Carbon Disulfide	U	6
56235	Carbon Tetrachloride	U	6
105907	Chlorobenzene	U	6
75003	Chloroethane	U	11
67663	Chloroform	2(J)	6
110758	2-Chloroethylvinylether	U	11
74873	Chloromethane	U	11
75354	1,1-Dichloroethene	U	6
75353	1,1-Dichloroethane	U	6
156592	cis-1,2-Dichloroethene	U	6
156605	trans-1,2-Dichloroethene	U	6
107012	1,2-Dichloroethane	U	6

Cas #	Compound	UG/KG	MDL
73875	1,2-Dichloropropane	U	6
10061015	cis-1,3-Dichloropropene	U	6
10061026	trans-1,3-Dichloropropene	U	6
124481	Dibromochloromethane	U	6
100414	Ethylbenzene	U	6
591786	2-Hexanone	U	11
75092	Methylene Chloride	6	6
108101	4-Methyl-2-pentanone	U	11
100425	Styrene	U	6
127184	Tetrachloroethene	U	6
79345	1,1,2,2-Tetrachloroethane	U	6
108893	Toluene	2(J)	6
71556	1,1,1-Trichloroethane	U	6
79016	1,1,2-Trichloroethane	U	6
79016	Trichloroethene	U	6
75694	Trichlorofluoromethane	U	11
1330207	m,p-Xylene	4(J)	6
1330207	o-Xylene	U	6
108054	Vinyl Acetate	U	11
75014	Vinyl Chloride	U	11

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	106.6 %	70 - 121	OK
Toluene-d8	102.0 %	81 - 117	OK
Bromofluorobenzene	88.5 %	74 - 121	OK

(J) Indicates detected below MDL

(U) Indicates compound analysed for but not detected

(B) Indicates analyte found in both the blank and sample

(D) Indicates a secondary dilution

Percent Solid of 89.2 is used for all Target compounds.

ACCREDITED LABORATORIES, INC
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER 7504
SAMPLE NUMBER 9103151
DATA FILE >D5290
CLIENT NAME FEL
FIELD ID LOC #2

MATRIX Soil
DILUTION FACTOR 1.00
DATE EXTRACTED
DATE ANALYZED 06/11/91
ANALYZED BY PAUL

Cas #	Compound	UG/KG	MDL
67641	Acetone	U	11
107028	Acrolein	U	57
107131	Acrylonitrile	U	8
71432	Benzene	U	6
75274	Bromodichloromethane	U	6
75252	Bromoform	U	8
74839	Bromomethane	U	11
78933	2-Butanone	U	11
75150	Carbon Disulfide	U	8
56235	Carbon Tetrachloride	U	8
108907	Chlorobenzene	U	8
75303	Chloroethane	U	11
67663	Chloroform	2(J)	8
110753	2-Chloroethylvinylether	U	11
74873	Chloromethane	U	11
75354	1,1-Dichloroethene	U	8
75353	1,1-Dichloroethane	U	8
156592	cis-1,2-Dichloroethene	U	8
156601	trans-1,2-Dichloroethene	U	8
107062	1,2-Dichloroethane	U	6

Cas #	Compound	UG/KG	MDL
78875	1,2-Dichloropropane	U	6
10061015	cis-1,3-Dichloropropene	U	6
10061026	trans-1,3-Dichloropropene	U	6
124481	Dibromochloromethane	U	6
100414	Ethylbenzene	3(J)	6
591786	2-Hexanone	U	11
75092	Methylene Chloride	6	8
108101	4-Methyl-2-pentanone	U	11
100425	Styrene	U	6
127184	Tetrachloroethene	U	6
79345	1,1,2,2-Tetrachloroethane	U	8
108883	Toluene	4(J)	6
71556	1,1,1-Trichloroethane	U	8
79016	1,1,2-Trichloroethane	U	6
79016	Trichloroethene	U	6
75694	Trichlorofluoromethane	U	11
1330207	m,p-Xylene	11	6
1330207	o-Xylene	7	6
108054	Vinyl Acetate	U	11
75014	Vinyl Chloride	U	11

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	102.5 %	70 - 121	OK
Toluene-d8	114.2 %	81 - 117	OK
Bromofluorobenzene	88.5 %	74 - 121	OK

(J) Indicates detected below MDL

(U) Indicates compound analysed for but not detected

(B) Indicates analyte found in both the blank and sample

(D) Indicates a secondary dilution

Percent Solid of 88.2 is used for all Target compounds.

ACCREDITED LABORATORIES, INC
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER 7504
SAMPLE NUMBER 9103152
DATA FILE >D5291
CLIENT NAME FEL
FIELD ID LOC #3

MATRIX Soil
DILUTION FACTOR 1.00
DATE EXTRACTED
DATE ANALYZED 06/11/91
ANALYZED BY PAUL

Cas #	Compound	UG/KG	MDL
67641	Acetone	U	11
107028	Acrolein	U	55
197131	Acrylonitrile	U	5
71432	Benzene	U	5
75274	Bromodichloromethane	U	5
75252	Bromoform	U	5
74839	Bromomethane	U	11
78933	2-Butanone	U	11
75150	Carbon Disulfide	U	5
56235	Carbon Tetrachloride	U	5
108907	Chlorobenzene	U	5
75903	Chloroethane	U	11
67663	Chloroform	U	5
110758	2-Chloroethylvinylether	U	11
74873	Chloromethane	U	11
75354	1,1-Dichloroethene	U	5
75353	1,1-Dichloroethane	U	5
156592	cis-1,2-Dichloroethene	U	5
156605	trans-1,2-Dichloroethene	U	5
107062	1,2-Dichloroethane	U	5

Cas #	Compound	UG/KG	MDL
78875	1,2-Dichloropropane	U	5
10061015	cis-1,3-Dichloropropene	U	5
10061026	trans-1,3-Dichloropropene	U	5
124481	Dibromochloromethane	U	5
100414	Ethylbenzene	U	5
591786	2-Hexanone	U	11
75092	Methylene Chloride	6	5
108101	4-Methyl-2-pentanone	U	11
100425	Styrene	U	5
127194	Tetrachloroethene	U	5
79345	1,1,2,2-Tetrachloroethane	U	5
108883	Toluene	2(J)	5
71556	1,1,1-Trichloroethane	U	5
79016	1,1,2-Trichloroethane	U	5
79016	Trichloroethene	U	5
75694	Trichlorofluoromethane	U	11
1330207	m,p-Xylene	U	5
1330207	o-Xylene	U	5
108054	Vinyl Acetate	U	11
75014	Vinyl Chloride	U	11

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	98.6 %	70 - 121	OK
Toluene-d8	114.8 %	81 - 117	OK
Bromofluorobenzene	90.7 %	74 - 121	OK

(J) Indicates detected below MDL

(U) Indicates compound analysed for but not detected

(B) Indicates analyte found in both the blank and sample

(D) Indicates a secondary dilution

Percent Solid of 91.2 is used for all Target compounds.

ACCREDITED LABORATORIES, INC
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER 7504
SAMPLE NUMBER 9103153
DATA FILE >D5305
CLIENT NAME FEL
FIELD ID LOC #4

MATRIX Soil
DILUTION FACTOR 1.00
DATE EXTRACTED _____
DATE ANALYZED 06/12/91
ANALYZED BY JOHN

Cas #	Compound	UG/KG	MDL
67641	Acetone	U	11
107028	Acrolein	U	55
107131	Acrylonitrile	U	6
71432	Benzene	U	6
75274	Bromodichloromethane	U	6
75252	Bromoform	U	6
74839	Bromomethane	U	11
78933	2-Butanone	U	11
75150	Carbon Disulfide	U	6
56235	Carbon Tetrachloride	U	6
108907	Chlorobenzene	U	6
75003	Chloroethane	U	11
67663	Chloroform	4(J)	6
110758	2-Chloroethylvinylether	U	11
74873	Chloromethane	U	11
75354	1,1-Dichloroethene	U	6
75353	1,1-Dichloroethane	U	6
156592	cis-1,2-Dichloroethene	U	6
156605	trans-1,2-Dichloroethene	U	6
107062	1,2-Dichloroethane	U	6

Cas #	Compound	UG/KG	MDL
78875	1,2-Dichloropropane	U	6
10061015	cis-1,3-Dichloropropene	U	6
10061026	trans-1,3-Dichloropropene	U	6
124481	Dibromochloromethane	U	6
100414	Ethylbenzene	U	6
591786	2-Hexanone	U	11
75092	Methylene Chloride	8	6
108101	4-Methyl-2-pentanone	U	11
100425	Styrene	U	6
127184	Tetrachloroethene	U	6
79345	1,1,2,2-Tetrachloroethane	U	6
108883	Toluene	U	6
71556	1,1,1-Trichloroethane	U	6
79016	1,1,2-Trichloroethane	U	6
79016	Trichloroethene	U	6
75694	Trichlorofluoromethane	U	11
1330207	m,p-Xylene	2(J)	6
1330207	o-Xylene	U	6
108054	Vinyl Acetate	U	11
75014	Vinyl Chloride	U	11

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	<u>112.1</u> %	70 - 121	OK
Toluene-d8	<u>115.5</u> %	81 - 117	OK
Bromofluorobenzene	<u>96.4</u> %	74 - 121	OK

(J) Indicates detected below MDL

(U) Indicates compound analysed for but not detected

(8) Indicates analyte found in both the blank and sample

(D) Indicates a secondary dilution

Percent Solid of 90.7 is used for all Target compounds.

ACCREDITED LABORATORIES, INC
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER 7504
SAMPLE NUMBER 9103154
DATA FILE 005293
CLIENT NAME FEL
FIELD ID LOC #5

MATRIX Soil
DILUTION FACTOR 1.00
DATE EXTRACTED
DATE ANALYZED 06/11/91
ANALYZED BY PAUL

Cas #	Compound	UG/KG	MDL
67641	Acetone	U	10
107013	Acrolein	U	51
107131	Acrylonitrile	U	5
71432	Benzene	U	5
75274	Bromodichloromethane	U	5
75252	Bromoform	U	5
74339	Bromomethane	U	10
78933	2-Butanone	U	10
75150	Carbon Disulfide	U	5
56235	Carbon Tetrachloride	U	5
108907	Chlorobenzene	U	5
75103	Chloroethane	U	10
67663	Chloroform	2(J)	5
110758	2-Chloroethylvinylether	U	10
74673	Chloromethane	U	10
75354	1,1-Dichloroethene	U	5
75353	1,1-Dichloroethane	U	5
156592	cis-1,2-Dichloroethene	U	5
156605	trans-1,2-Dichloroethene	U	5
107062	1,2-Dichloroethane	U	5

Cas #	Compound	UG/KG	MDL
78875	1,2-Dichloropropane	U	5
10061015	cis-1,3-Dichloropropene	U	5
10061026	trans-1,3-Dichloropropene	U	5
124481	Dibromochloromethane	U	5
160414	Ethylbenzene	U	5
591786	2-Hexanone	U	10
75092	Methylene Chloride	8	5
108101	4-Methyl-2-pentanone	U	10
100425	Styrene	U	5
127184	Tetrachloroethene	U	5
79345	1,1,2,2-Tetrachloroethane	U	5
108893	Toluene	4(J)	5
71556	1,1,1-Trichloroethane	U	5
79016	1,1,2-Trichloroethane	U	5
79016	Trichloroethene	U	5
75694	Trichlorofluoromethane	U	10
1330207	m,p-Xylene	3(J)	5
1330207	o-Xylene	U	5
108054	Vinyl Acetate	U	10
75014	Vinyl Chloride	U	10

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	97.1 %	70 - 121	OK
Toluene-d8	115.9 %	91 - 117	OK
Bromofluorobenzene	83.4 %	74 - 121	OK

(J) Indicates detected below MDL

(U) Indicates compound analysed for but not detected

(8) Indicates analyte found in both the blank and sample

(D) Indicates a secondary dilution

Percent Solid of 97.5 is used for all Target compounds.

ACCREDITED LABORATORIES, INC
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER 7504
SAMPLE NUMBER 9103155
DATA FILE >05294
CLIENT NAME FEL
FIELD ID LOC #6

MATRIX Soil
DILUTION FACTOR 1.00
DATE EXTRACTED
DATE ANALYZED 06/11/91
ANALYZED BY PAUL

Cas #	Compound	UG/KG	MDL
67641	Acetone	66	11
107028	Acrolein	U	53
107131	Acrylonitrile	U	5
71432	Benzene	U	5
75274	Bromodichloromethane	U	5
75252	Bromoform	U	5
74839	Bromomethane	U	11
78933	2-Butanone	U	11
75150	Carbon Disulfide	U	5
56235	Carbon Tetrachloride	U	5
108907	Chlorobenzene	U	5
75003	Chloroethane	U	11
67663	Chloroform	2(J)	5
110758	2-Chloroethylvinylether	U	11
74873	Chloromethane	U	11
75354	1,1-Dichloroethene	U	5
75353	1,1-Dichloroethane	U	5
156592	cis-1,2-Dichloroethene	U	5
156695	trans-1,2-Dichloroethene	U	5
197061	1,2-Dichloroethane	U	5

Cas #	Compound	UG/KG	MDL
78875	1,2-Dichloropropane	U	5
10061015	cis-1,3-Dichloropropene	U	5
10061026	trans-1,3-Dichloropropene	U	5
124481	Dibromochloromethane	U	5
100414	Ethylbenzene	U	5
591786	2-Hexanone	U	11
75092	Methylene Chloride	7	5
108101	4-Methyl-2-pentanone	4(J)	11
100425	Styrene	U	5
127184	Tetrachloroethene	U	5
79345	1,1,2,2-Tetrachloroethane	U	5
108883	Toluene	U	5
71556	1,1,1-Trichloroethane	U	5
79016	1,1,2-Trichloroethane	U	5
79016	Trichloroethene	U	5
75694	Trichlorofluoromethane	U	11
1330207	m,p-Xylene	3(J)	5
1330207	o-Xylene	U	5
108054	Vinyl Acetate	U	11
75014	Vinyl Chloride	U	11

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	107.0 %	79 - 121	OK
Toluene-d8	87.5 %	81 - 117	OK
Bromofluorobenzene	105.5 %	74 - 121	OK

(J) Indicates detected below MDL

(U) Indicates compound analysed for but not detected

(B) Indicates analyte found in both the blank and sample

(D) Indicates a secondary dilution

Percent Solid of 93.5 is used for all Target compounds.

ACCREDITED LABORATORIES, INC
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER 7504
SAMPLE NUMBER 9103156
DATA FILE 105295
CLIENT NAME FEL
FIELD ID LOC #7

MATRIX Soil
DILUTION FACTOR 1.00
DATE EXTRACTED
DATE ANALYZED 06/11/91
ANALYZED BY PAUL

Cas #	Compound	UG/KG	MDL
67641	Acetone	24	11
107028	Acrolein	U	54
107131	Acrylonitrile	U	5
71432	Benzene	U	5
75274	Bromodichloromethane	U	5
75252	Bromoform	U	5
71837	Bromomethane	U	11
78933	2-Butanone	U	11
75150	Carbon Disulfide	U	5
56235	Carbon Tetrachloride	U	5
103907	Chlorobenzene	7101	5
75003	Chloroethane	U	11
67663	Chloroform	2101	5
110753	2-Chloroethylvinylether	U	11
74977	Chloromethane	U	11
75354	1,1-Dichloroethene	U	5
75353	1,1-Dichloroethane	U	5
156592	cis-1,2-Dichloroethene	U	5
156605	trans-1,2-Dichloroethene	U	5
107962	1,2-Dichloroethane	U	5

Cas #	Compound	UG/KG	MDL
78875	1,2-Dichloropropane	U	5
10061015	cis-1,3-Dichloropropene	U	5
10061026	trans-1,3-Dichloropropene	U	5
124481	Dibromochloromethane	U	5
100414	Ethylbenzene	U	5
591736	2-Hexanone	U	11
75092	Methylene Chloride	6	5
108101	4-Methyl-2-pentanone	U	11
100425	Styrene	U	5
127184	Tetrachloroethene	U	5
79345	1,1,2,2-Tetrachloroethane	U	5
108883	Toluene	U	5
71556	1,1,1-Trichloroethane	U	5
79016	1,1,2-Trichloroethane	U	5
79016	Trichloroethene	U	5
75694	Trichlorofluoromethane	U	11
1330207	m,p-Xylene	U	5
1330207	o-Xylene	U	5
108054	Vinyl Acetate	U	11
75014	Vinyl Chloride	U	11

<u>SURROGATE COMPOUNDS</u>	<u>RECOVERY</u>	<u>LIMITS</u>	<u>STATUS</u>
1,2-Dichloroethane-d4	97.4 %	70 - 121	OK
Toluene-d8	113.2 %	81 - 117	OK
Bromofluorobenzene	84.5 %	74 - 121	OK

(D) Indicates detected below MDL

(U) Indicates compound analysed for but not detected

(B) Indicates analyte found in both the blank and sample

(P) Indicates a secondary dilution

Percent Solid of 93.0 is used for all Target compounds.

ACCREDITED LABORATORIES, INC
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER 7504
SAMPLE NUMBER 9103157
DATA FILE >05296
CLIENT NAME FEL
FIELD ID LOC #8

MATRIX Soil
DILUTION FACTOR 1.00
DATE EXTRACTED
DATE ANALYZED 06/11/91
ANALYZED BY PAUL

Cas #	Compound	UG/KG	MDL
67641	Acetone	U	11
107028	Acrolein	U	53
107131	Acrylonitrile	U	5
71432	Benzene	U	5
75274	Bromodichloromethane	U	5
75252	Bromoform	U	5
74839	Bromomethane	U	11
78933	2-Butanone	U	11
75150	Carbon Disulfide	U	5
56235	Carbon Tetrachloride	U	5
108907	Chlorobenzene	U	5
75003	Chloroethane	U	11
67663	Chloroform	U	5
110758	2-Chloroethylvinylether	U	11
74873	Chloromethane	U	11
75354	1,1-Dichloroethene	U	5
75353	1,1-Dichloroethane	U	5
156592	cis-1,2-Dichloroethene	U	5
156605	trans-1,2-Dichloroethene	U	5
107062	1,2-Dichloroethane	U	5

Cas #	Compound	UG/KG	MDL
78875	1,2-Dichloropropane	U	5
10061015	cis-1,3-Dichloropropene	U	5
10061026	trans-1,3-Dichloropropene	U	5
124481	Dibromochloromethane	U	5
100414	Ethylbenzene	U	5
591786	2-Hexanone	U	11
75092	Methylene Chloride	14	5
108101	4-Methyl-2-pentanone	U	11
100425	Styrene	U	5
127184	Tetrachloroethene	U	5
79345	1,1,2,2-Tetrachloroethane	U	5
108883	Toluene	7	5
71556	1,1,1-Trichloroethane	U	5
79016	1,1,2-Trichloroethane	U	5
79016	Trichloroethene	U	5
75694	Trichlorofluoromethane	U	11
1330207	m,p-Xylene	5(J)	5
1330207	o-Xylene	U	5
108054	Vinyl Acetate	U	11
75014	Vinyl Chloride	U	11

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	99.3 %	70 - 121	OK
Toluene-d8	130.7 %	81 - 117	OUT
Bromofluorobenzene	85.8 %	74 - 121	OK

(J) Indicates detected below MDL

(U) Indicates compound analysed for but not detected

(B) Indicates analyte found in both the blank and sample

(D) Indicates a secondary dilution

Percent Solid of 95.1 is used for all Target compounds.

ACCREDITED LABORATORIES, INC
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER 7504
SAMPLE NUMBER 9103158
DATA FILE >D5297
CLIENT NAME FEL
FIELD ID LOC #9

MATRIX Soil
DILUTION FACTOR 1.00
DATE EXTRACTED _____
DATE ANALYZED 06/11/91
ANALYZED BY PAUL

Cas #	Compound	UG/KG	MDL
67641	Acetone	U	11
107028	Acrolein	U	55
107131	Acrylonitrile	U	6
71452	Benzene	U	6
75274	Bromodichloromethane	U	6
75252	Bromoform	U	6
74839	Bromomethane	U	11
78933	2-Butanone	U	11
75150	Carbon Disulfide	U	6
56235	Carbon Tetrachloride	U	6
108907	Chlorobenzene	10	6
75003	Chloroethane	U	11
67663	Chloroform	2(J)	6
110758	2-Chloroethylvinylether	U	11
74873	Chloromethane	U	11
75354	1,1-Dichloroethene	U	6
75353	1,1-Dichloroethane	U	6
156592	cis-1,2-Dichloroethene	U	6
156605	trans-1,2-Dichloroethene	U	6
107062	1,2-Dichloroethane	U	6

Cas #	Compound	UG/KG	MDL
78875	1,2-Dichloropropane	U	6
10061015	cis-1,3-Dichloropropene	U	6
10061026	trans-1,3-Dichloropropene	U	6
124481	Dibromochloromethane	U	6
100414	Ethylbenzene	U	6
591786	2-Hexanone	U	11
75092	Methylene Chloride	9	6
108101	4-Methyl-2-pentanone	U	11
100425	Styrene	U	6
127184	Tetrachloroethene	U	6
79345	1,1,2,2-Tetrachloroethane	U	6
108883	Toluene	3(J)	6
71556	1,1,1-Trichloroethane	U	6
79016	1,1,2-Trichloroethane	U	6
79016	Trichloroethene	U	6
75694	Trichlorofluoromethane	U	11
1330207	m,p-Xylene	U	6
1330207	o-Xylene	U	6
108054	Vinyl Acetate	U	11
75014	Vinyl Chloride	U	11

<u>SURROGATE COMPOUNDS</u>	<u>RECOVERY</u>	<u>LIMITS</u>	<u>STATUS</u>
1,2-Dichloroethane-d4	<u>110.4 %</u>	70 - 121	OK
Toluene-d8	<u>108.3 %</u>	81 - 117	OK
Bromofluorobenzene	<u>79.9 %</u>	74 - 121	OK

(J) Indicates detected below MDL

(U) Indicates compound analysed for but not detected

(B) Indicates analyte found in both the blank and sample

(D) Indicates a secondary dilution

Percent Solid of 90.8 is used for all Target compounds.

ACCREDITED LABORATORIES, INC
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER 7504
SAMPLE NUMBER 9103159
DATA FILE 095298
CLIENT NAME FEL
FIELD ID LOC #10

MATRIX Soil
DILUTION FACTOR 1.00
DATE EXTRACTED
DATE ANALYZED 06/11/91
ANALYZED BY PAUL

Cas #	Compound	UG/KG	MDL
67641	Acetone	U	11
107028	Acrolein	U	57
107131	Acrylonitrile	U	6
71432	Benzene	U	6
75274	Bromodichloromethane	U	6
75252	Bromoform	U	6
74839	Bromomethane	U	11
78933	2-Butanone	U	11
75150	Carbon Disulfide	U	6
56235	Carbon Tetrachloride	U	6
108907	Chlorobenzene	U	6
75003	Chloroethane	U	11
67663	Chloroform	3(J)	6
110753	2-Chloroethylvinylether	U	11
74873	Chloromethane	U	11
75354	1,1-Dichloroethene	U	6
75353	1,1-Dichloroethane	U	6
156592	cis-1,2-Dichloroethene	U	6
156605	trans-1,2-Dichloroethene	U	6
107062	1,2-Dichloroethane	U	6

Cas #	Compound	UG/KG	MDL
78875	1,2-Dichloropropane	U	6
10061015	cis-1,3-Dichloropropene	U	6
10061026	trans-1,3-Dichloropropene	U	6
124481	Dibromochloromethane	U	6
100414	Ethylbenzene	U	6
591786	2-Hexanone	U	11
75092	Methylene Chloride	9	6
108101	4-Methyl-2-pentanone	U	11
100425	Styrene	U	6
127184	Tetrachloroethene	U	6
79345	1,1,2,2-Tetrachloroethane	U	6
108883	Toluene	3(J)	6
71556	1,1,1-Trichloroethane	U	6
79016	1,1,2-Trichloroethane	U	6
79016	Trichloroethene	U	6
75694	Trichlorofluoromethane	U	11
1330207	m,p-Xylene	2(J)	6
1330207	o-Xylene	U	6
108054	Vinyl Acetate	U	11
75014	Vinyl Chloride	U	11

<u>SURROGATE COMPOUNDS</u>	<u>RECOVERY</u>	<u>LIMITS</u>	<u>STATUS</u>
1,2-Dichloroethane-d4	101.3 %	70 - 121	OK
Toluene-d8	121.3 %	91 - 117	OUT
Bromofluorobenzene	78.7 %	74 - 121	OK

(J) Indicates detected below MDL

(U) Indicates compound analysed for but not detected

(B) Indicates analyte found in both the blank and sample

(D) Indicates a secondary dilution

Percent Solid of 87.8 is used for all Target compounds.

ACCREDITED LABORATORIES, INC
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER 7504
SAMPLE NUMBER 9103160
DATA FILE >05299
CLIENT NAME FEL
FIELD ID LOC #11

MATRIX Soil
DILUTION FACTOR 1.00
DATE EXTRACTED
DATE ANALYZED 06/11/91
ANALYZED BY PAUL

Cas #	Compound	UG/KG	MDL
67641	Acetone	U	12
107028	Acrolein	U	58
157131	Acrylonitrile	U	6
71432	Benzene	U	6
75274	Bromodichloromethane	U	6
75252	Bromoform	U	6
74839	Bromomethane	U	12
78933	2-Butanone	U	12
75150	Carbon Disulfide	U	6
56235	Carbon Tetrachloride	U	6
108907	Chlorobenzene	11	6
75903	Chloroethane	U	12
67663	Chloroform	2(J)	6
110759	2-Chloroethylvinylether	U	12
74873	Chloromethane	U	12
75354	1,1-Dichloroethene	U	6
75353	1,1-Dichloroethane	U	6
156592	cis-1,2-Dichloroethene	U	6
156605	trans-1,2-Dichloroethene	U	6
107062	1,2-Dichloroethane	U	6

Cas #	Compound	UG/KG	MDL
78975	1,2-Dichloropropane	U	6
10061015	cis-1,3-Dichloropropene	U	6
10061026	trans-1,3-Dichloropropene	U	6
124481	Dibromochloromethane	U	6
100414	Ethylbenzene	U	6
591786	2-Hexanone	U	12
75092	Methylene Chloride	8	6
108101	4-Methyl-2-pentanone	U	12
100425	Styrene	U	6
127184	Tetrachloroethene	U	6
79345	1,1,2,2-Tetrachloroethane	U	6
108983	Toluene	3(J)	6
71556	1,1,1-Trichloroethane	U	6
79016	1,1,2-Trichloroethane	U	6
79016	Trichloroethene	U	6
75694	Trichlorofluoromethane	U	12
1330207	m,p-Xylene	2(J)	6
1330207	o-Xylene	U	6
108054	Vinyl Acetate	U	12
75014	Vinyl Chloride	U	12

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	111.0 %	70 - 121	OK
Toluene-d8	112.2 %	81 - 117	OK
Bromofluorobenzene	79.3 %	74 - 121	OK

(J) Indicates detected below MDL

(U) Indicates compound analysed for but not detected

(B) Indicates analyte found in both the blank and sample

(D) Indicates a secondary dilution

Percent Solid of 86.5 is used for all Target compounds.

ACCREDITED LABORATORIES, INC
VOLATILE ORGANIC ANALYSIS DATA

CASE NUMBER 7504
SAMPLE NUMBER 9103161
DATA FILE >C2765
CLIENT NAME FEL
FIELD ID FIELD BL

MATRIX Aqueous
DILUTION FACTOR 1.00
DATE EXTRACTED
DATE ANALYZED 06/12/91
ANALYZED BY PAUL

Cas #	Compound	UG/L	MDL
67641	Acetone	U	10
107023	Acrolein	U	50
107131	Acrylonitrile	U	5
71432	Benzene	U	5
75274	Bromodichloromethane	U	5
75272	Bromoform	U	5
74839	Bromomethane	U	10
78933	2-Butanone	U	10
75150	Carbon Disulfide	U	5
56235	Carbon Tetrachloride	U	5
106907	Chlorobenzene	U	5
75005	Chloroethane	U	10
67663	Chloroform	U	5
110758	2-Chloroethoxydimethyl ether	U	10
74873	Chloromethane	U	10
75354	1,1-Dichloroethane	U	5
75353	1,1-Dichloroethane	U	5
156592	cis-1,2-Dichloroethane	U	5
156505	trans-1,2-Dichloroethane	U	5
107063	1,2-Dichloroethane	U	5

Cas #	Compound	UG/L	MDL
78875	1,2-Dichloropropane	U	5
10061015	cis-1,3-Dichloropropene	U	5
10061926	trans-1,3-Dichloropropene	U	5
124481	Dibromochloromethane	U	5
100414	Ethylbenzene	U	5
591786	2-Hexanone	U	10
75092	Methylene Chloride	U	5
108101	4-Methyl-2-pentanone	U	10
100425	Styrene	U	5
127184	Tetrachloroethane	U	5
79345	1,1,2,2-Tetrachloroethane	U	5
108883	Toluene	U	5
71556	1,1,1-Trichloroethane	U	5
79016	1,1,2-Trichloroethane	U	5
79016	Trichloroethene	U	5
75694	Trichlorofluoromethane	U	10
1330207	m,p-Xylene	U	5
1330207	o-Xylene	U	5
108054	Vinyl Acetate	U	10
75014	Vinyl Chloride	U	10

SURROGATE COMPOUNDS	RECOVERY	LIMITS	STATUS
1,2-Dichloroethane-d4	105.9 %	76 - 114	OK
Toluene-d8	103.5 %	88 - 110	OK
Bromofluorobenzene	107.3 %	86 - 115	OK

(J) Indicates detected below MDL

(U) Indicates compound analysed for but not detected

(S) Indicates analyte found in both the blank and sample

(D) Indicates a secondary dilution

Accredited Laboratories, Inc.
TCLP Metals

Case No.: 807504 Matrix: Extract
Sample No.: 9103150 Date Received: 06/07/91
Field ID: LOC #1 Date Extracted: 06/10/91
Client: First Environmental Labs Date Digested: 06/12/91

Parameters	Results mg/L	MDL mg/L	Date of Analysis
Arsenic	ND	0.01	06/13/91
Barium	0.55	0.30	06/14/91
Cadmium	ND	0.03	06/14/91
Chromium	ND	0.03	06/14/91
Lead	0.63	0.30	06/14/91
Mercury	ND	0.001	06/12/91
Selenium	ND	0.01	06/14/91
Silver	ND	0.30	06/14/91

Quality Control Number:

910612T

Accredited Laboratories, Inc.
TCLP Metals

Case No.: 807504 Matrix: Extract
Sample No.: 9103151 Date Received: 06/07/91
Field ID: LOC #2 Date Extracted: 06/10/91
Client: First Environmental Labs Date Digested: 06/12/91

Parameters	Results mg/L	MDL mg/L	Date of Analysis
Arsenic	ND	0.01	06/13/91
Barium	0.80	0.30	06/14/91
Cadmium	ND	0.03	06/14/91
Chromium	ND	0.03	06/14/91
Lead	4.92	0.30	06/19/91
Mercury	ND	0.001	06/12/91
Selenium	ND	0.01	06/14/91
Silver	ND	0.30	06/14/91

Quality Control Number: 910612T

Accredited Laboratories, Inc.
TCLP Metals

Case No.: 807504
Sample No.: 9103152
Field ID: LOC #3
Client: First Environmental Labs

Matrix: Extract
Date Received: 06/07/91
Date Extracted: 06/10/91
Date Digested: 06/12/91

Parameters	Results mg/L	MDL mg/L	Date of Analysis
Arsenic	ND	0.01	06/13/91
Barium	1.22	0.30	06/14/91
Cadmium	ND	0.03	06/14/91
Chromium	ND	0.03	06/14/91
Lead	1.37	0.30	06/14/91
Mercury	ND	0.001	06/12/91
Selenium	ND	0.01	06/14/91
Silver	ND	0.30	06/14/91

Quality Control Number:

910612T

Accredited Laboratories, Inc.
TCLP Metals

Case No.: 807504
Sample No.: 9103153
Field ID: LOC #4
Client: First Environmental Labs

Matrix: Extract
Date Received: 06/07/91
Date Extracted: 06/10/91
Date Digested: 06/12/91

Parameters	Results mg/L	MDL mg/L	Date of Analysis
Arsenic	ND	0.01	06/13/91
Barium	0.40	0.30	06/14/91
Cadmium	ND	0.03	06/14/91
Chromium	0.05	0.03	06/14/91
Lead	2.05	0.30	06/14/91
Mercury	ND	0.001	06/12/91
Selenium	ND	0.01	06/14/91
Silver	ND	0.30	06/14/91

Quality Control Number:

910612T

Accredited Laboratories, Inc.
TCLP Metals

Case No.: 807504 Matrix: Extract
Sample No.: 9103154 Date Received: 06/07/91
Field ID: LOC #5 Date Extracted: 06/10/91
Client: First Environmental Labs Date Digested: 06/12/91

Parameters	Results mg/L	MDL mg/L	Date of Analysis
Arsenic	ND	0.01	06/13/91
Barium	0.68	0.30	06/14/91
Cadmium	ND	0.03	06/14/91
Chromium	ND	0.03	06/14/91
Lead	0.38	0.30	06/14/91
Mercury	ND	0.001	06/12/91
Selenium	ND	0.01	06/14/91
Silver	ND	0.30	06/14/91

Quality Control Number:

910612T

Accredited Laboratories, Inc.
TCLP Metals

Case No.: 807504
Sample No.: 9103155
Field ID: LOC #6
Client: First Environmental Labs

Matrix: Extract
Date Received: 06/07/91
Date Extracted: 06/10/91
Date Digested: 06/12/91

Parameters	Results mg/L	MDL mg/L	Date of Analysis
Arsenic	ND	0.01	06/13/91
Barium	1.26	0.30	06/14/91
Cadmium	ND	0.03	06/14/91
Chromium	ND	0.03	06/14/91
Lead	1.64	0.30	06/14/91
Mercury	ND	0.001	06/12/91
Selenium	ND	0.01	06/14/91
Silver	ND	0.30	06/14/91

Quality Control Number:

910612T

Accredited Laboratories, Inc.
TCLP Metals

Case No.: 807504
Sample No.: 9103156
Field ID: LOC #7
Client: First Environmental Labs

Matrix: Extract
Date Received: 06/07/91
Date Extracted: 06/10/91
Date Digested: 06/12/91

Parameters	Results mg/L	MDL mg/L	Date of Analysis
Arsenic	ND	0.01	06/13/91
Barium	1.55	0.30	06/14/91
Cadmium	ND	0.03	06/14/91
Chromium	ND	0.03	06/14/91
Lead	0.74	0.30	06/14/91
Mercury	ND	0.001	06/12/91
Selenium	ND	0.01	06/14/91
Silver	ND	0.30	06/14/91

Quality Control Number:

910612T

Accredited Laboratories, Inc.
TCLP Metals

Case No.: 807504
Sample No.: 9103157
Field ID: LOC #8
Client: First Environmental Labs

Matrix: Extract
Date Received: 06/07/91
Date Extracted: 06/10/91
Date Digested: 06/12/91

Parameters	Results mg/L	MDL mg/L	Date of Analysis
Arsenic	0.20	0.01	06/13/91
Barium	2.09	0.30	06/14/91
Cadmium	ND	0.03	06/14/91
Chromium	ND	0.03	06/14/91
Lead	ND	0.30	06/14/91
Mercury	ND	0.001	06/12/91
Selenium	ND	0.01	06/14/91
Silver	ND	0.30	06/14/91

Quality Control Number:

910612T

Accredited Laboratories, Inc.
TCLP Metals

Case No.: 807504
Sample No.: 9103158
Field ID: LOC #9
Client: First Environmental Labs

Matrix: Extract
Date Received: 06/07/91
Date Extracted: 06/10/91
Date Digested: 06/12/91

Parameters	Results mg/L	MDL mg/L	Date of Analysis
Arsenic	ND	0.01	06/13/91
Barium	2.22	0.30	06/14/91
Cadmium	ND	0.03	06/14/91
Chromium	ND	0.03	06/14/91
Lead	1.69	0.30	06/14/91
Mercury	ND	0.001	06/12/91
Selenium	ND	0.01	06/14/91
Silver	ND	0.30	06/14/91

Quality Control Number:

910612T

Accredited Laboratories, Inc.
TCLP Metals

Case No.: 807504
Sample No.: 9103159
Field ID: LOC #10
Client: First Environmental Labs

Matrix: Extract
Date Received: 06/07/91
Date Extracted: 06/10/91
Date Digested: 06/12/91

Parameters	Results mg/L	MDL mg/L	Date of Analysis
Arsenic	ND	0.01	06/13/91
Barium	1.00	0.30	06/14/91
Cadmium	ND	0.03	06/14/91
Chromium	ND	0.03	06/14/91
Lead	ND	0.30	06/14/91
Mercury	ND	0.001	06/12/91
Selenium	ND	0.01	06/14/91
Silver	ND	0.30	06/14/91

Quality Control Number:

910612T

Accredited Laboratories, Inc.
TCLP Metals

Case No.: 807504 Matrix: Extract
Sample No.: 9103160 Date Received: 06/07/91
Field ID: LOC #11 Date Extracted: 06/10/91
Client: First Environmental Labs Date Digested: 06/12/91

Parameters	Results mg/L	MDL mg/L	Date of Analysis
Arsenic	0.02	0.01	06/13/91
Barium	2.57	0.30	06/14/91
Cadmium	ND	0.03	06/14/91
Chromium	ND	0.03	06/14/91
Lead	0.36	0.30	06/14/91
Mercury	ND	0.001	06/12/91
Selenium	ND	0.01	06/14/91
Silver	ND	0.30	06/14/91

Quality Control Number: 910612T

Accredited Laboratories, Inc.
TCLP Metals

Case No.: 807504
Sample No.: 9103161
Field ID: FIELD BLANK
Client: First Environmental Labs

Matrix: Extract
Date Received: 06/07/91
Date Extracted: 06/10/91
Date Digested: 06/12/91

Parameters	Results mg/L	MDL mg/L	Date of Analysis
Arsenic	ND	0.01	06/13/91
Barium	ND	0.30	06/14/91
Cadmium	ND	0.03	06/14/91
Chromium	ND	0.03	06/14/91
Lead	ND	0.30	06/14/91
Mercury	ND	0.001	06/12/91
Selenium	ND	0.01	06/14/91
Silver	ND	0.30	06/14/91

Quality Control Number:

910612T

First Environmental Laboratories, Inc.
2 Stewart Court
Bridgeview Business Park
Denville, New Jersey 07834

CHAIN OF CUSTODY RECORD

Client: Advanced Environmental Services

Address: 79 5th Avenue

New York, NY

(201) 328-3900 • FAX (201) 328-6740

Project Description:

252 3rd Street

Brooklyn, NY

Phone #: 212-675-8200 Contact: Mark Savella

NO. OF SAMPLE CONTAINERS

Report Due Date:

Required Report Format

- ☐ CLP ☐ NJDEP Tier II
☐ ECRA ☐ Results Only
☐ Other New York State

(Specify) Mark Savella
Sampler's Signature

STATION	DATE	TIME (Military)	SAMPLE DESCRIPTION	Vd	A	Be	Pe	Pd	Mo	Py	Cy	Pe	EP	EP	Re	Ign	Co	(O)	(O)	REMARKS
Location # 6	6/4/11	17:21	Soil	✓													9123153			
# 6	6/4/11	17:22	"						✓											
Location # 7	"	18:00	"	✓													9123153			
# 7	"	18:00	"						✓											
Location # 8	"	18:30	"	✓													9123153			
# 8	"	18:30	"						✓											
Location # 9	"	18:30	"	✓													9123153			
# 9	"	18:30	"						✓											
Location # 10	"	16:47	"	✓													9123153			
# 10	"	16:47	"						✓											

Relinquished by (Signature):	Date (Military)	Received by (Signature):	Date (Military)	Time (Military)
<u>Mark Savella</u>	6/7/11 17:30	<u>SV</u>	6/7/11 17:30	17:30
Relinquished by (Signature):	Date (Military)	Received by (Signature):	Date (Military)	Time (Military)
<u>SV</u>	6/7/11 17:30	<u>SV</u>	6/7/11 17:30	17:30

REMARKS

C-807304

CHAIN OF CUSTODY RECORD

Denville, New Jersey 07834

Client:

Address:

252 31 10 1

Contact: *Frank Mueller*

Phone #: 212-675-8221

Brooklyn, N.Y.

NO. OF SAMPLE CONTAINERS

Required Report Format

□ ৮। ৯

☐ NJDEP Tier II☐ ECRA☐ Results Only☐ Other

20/12/2019

(Specify)

Sampler's Signature

[illegible]

First Environmental Laboratories, Inc.

2 Stewart Court
Bridgeview Business Park
Denville, New Jersey 07834

(201) 328-3900 • FAX (201) 328-6740

CHAIN OF CUSTODY RECORD

Client: AgriLink Environmental Service

Address: 191 5th Avenue

Manassas, VA

Phone #: 703-675-6000 Contact: Mark Zemel

Project Description:

6032 3rd St.
Brooklyn, N.Y.

NO. OF SAMPLE CONTAINERS

Report Due Date:

Required Report Format

- ☐ CLP ☐ NJDEP Tier II
☐ ECRA ☐ Results Only
☒ Other As per client's desire

(Specify)
As per client's desire

Sampler's Signature

STATION	DATE	TIME (Military)	SAMPLE DESCRIPTION																	REMARKS
Location #1	6/4/11	16:06	Soil	✓																16:06
#1	"	16:08	"																	16:08
Location #2	"	16:08	"	✓																16:08
#2	"	16:28	"																	16:28
Location #3	"	16:45	"	✓																16:45
#3	"	16:45	"																	16:45
Location #4	"	17:00	"	✓																17:00
#4	"	17:00	"																	17:00
Location #5	"	17:11	"	✓																17:11
#5	"	17:11	"																	17:11

Relinquished by (Signature)	Date (Military)	Received by (Signature)	Time (Military)	Relinquished by (Signature)	Date (Military)	Received by (Signature)	Time (Military)
<u>Mark Zemel</u>	6/4/11	<u>[Signature]</u>	17:11		6/4/11		
<u>[Signature]</u>	6/7/11	<u>[Signature]</u>	15:30		6/7/11		

REMARKS

C-807504