Laurel
ENVIRONMENTAL
ASSOCIATES, LTD.

QUARTERLY PROGRESS REPORT
REMEDIAL CORRECTIVE ACTION
NYSDEC Voluntary Cleanup Agreement
#D1-0001-97-04

INDUSTRIAL PROPERTY
100 COMMERCIAL STREET
PLAINVIEW, NEW YORK 11803

PREPARED FOR:

NYSDEC
HAZARDOUS SITE CONTROL
SUNY BUILDING #40
STONY BROOK, NEW YORK 11790

DRESSES FOR LESS
100 COMMERCIAL STREET
PLAINVIEW, NEW YORK 11803

AND

CHASE MANHATTAN BANK
380 MADISON AVENUE, 9TH FLOOR
NEW YORK, NEW YORK, 10017

February 15, 2000

LEA PROJECT # 99123

Carla M. Sullivan, CES
Project Geologist

SCOTT A. YANUCK
Environmental • Assessment
#12200
Certified Environmental Consultant

Scott A. Yanuck, CES
Hydrogeologist
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LAUREL Environmental Associates Ltd. • 3 Lyn Court • Huntington, NY • 11743 • phone (631) 673-0612 • fax (631) 427-5323

REPORT SPECIFICATIONS

This report contains (8) pages of text.

Copies and circulation of this report are as follows:

Two (2) bound copies to Dresses for Less, Mr. Donald Wiener.

Two (2) bound copies to Chase Manhattan Bank, Mr. Paul Levine.

One (1) bound copy to the NYSDEC, Mr. Jamie Ascher.

Two (2) copies in the confidential client file at ***Laurel Environmental Associates, Ltd. (LEA)***.

This report is prepared for the exclusive use of the principals noted above and is considered private and confidential. ***LEA*** shall not release this report or any of the findings of this report to any person or agency except with the authorization of the named principals.

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1.0 SCOPE OF WORK

Laurel Environmental Associates, Ltd. (LEA) was retained by Dresses for Less to oversee the Remedial Corrective Action as dictated in the Voluntary Cleanup Agreement at the subject property located at 100 Commercial Street, Plainview, New York. This report encompasses the quarterly groundwater sampling event that was conducted on December 12, 2000 with Jamie Ascher from the NYSDEC in attendance.

LEA completed or witnessed the following tasks:

1. Collection and analysis of groundwater samples from the five monitoring wells for volatile organic compounds using USEPA Method 8260.

2. Collection and analysis of an air sample from the SVE emission stack.

3. Production of a Remedial Corrective Action Quarterly Report, comparing analytical results to regulatory guidelines. Specifically, to the Class GA Groundwater Standards presented in the NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1): Ambient Water Quality and Guidance Values, October, 1993.

All sampling equipment was decontaminated using *Alconox*, a laboratory grade detergent and deionized water before and after each use to ensure that cross-contamination of samples was eliminated.

2.0 GROUNDWATER SAMPLING

On December 12, 2000, ***LEA*** purged the five monitoring wells prior to the sampling event. ***LEA*** Geologist Carla M. Sullivan conducted all sampling under the supervision of Mr. Jamie Ascher, from the NYSDEC. All non-disposable field equipment was decontaminated using Alconox, a laboratory grade detergent, and rinsed with deionized water before and after use, to ensure cross-contamination of samples was eliminated.

A static water level measurement to the nearest hundredth foot was recorded in each monitoring well prior to, and immediately after, the purging of the wells for sample collection,. A volume of water equal to at least three times that standing in the screened casing was purged from the well before the samples were collected. A decontaminated submersible electric pump was used to remove the required volume of groundwater. Each well was pumped at a rate of 2.0 gallons per minute for approximately twenty-five minutes to properly purge the well. All water removed during the process was disposed of on-site.

A dedicated, pre-cleaned, polyethylene disposable bailer was attached to a dedicated nylon line. All sample bottles were filled directly from the bailer as soon as it was removed from the well. The samples were then immediately placed on ice, in a cooler under strict chain of custody procedures.

All groundwater samples, including the trip blank and blind duplicate, were analyzed for TCL VOCs at Severn Trent Laboratories, Newburgh, New York, a NYSDOH certified laboratory ID# 10142, EPA #NY049 using Method 8260. The results will be compared to the Class GA Groundwater Standards presented in the NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1): Ambient Water Quality and Guidance Values, October 1993.

One blind duplicate groundwater sample known as MW-8, was collected from the monitoring well known as MW-5. This sample, as well as future samples labeled as such, will be assigned this fictitious identification to ensure the applicability of the method. The analytical results between the sample/blind duplicate will be compared to evaluate whether the data reported by the laboratory are precise, accurate, representative and comparable.

One trip blank was utilized to evaluate the impact to the groundwater analytical results by sample transport, shipping and field conditions.

All groundwater samples, including the field blank and blind duplicate, were analyzed for TCL VOCs using Method 8260, NYS ASP Category B Report, at Severn Trent Laboratories, Newburgh, New York, a NYSDOH certified laboratory ID# 10142, EPA #NY049. All future groundwater sampling events will be conducted and analyzed in the same manner, unless specified changes are either required or permitted by the NYSDEC. Please refer to Table III for analytical results. The complete results can be found in Appendix A and the Class GA Groundwater Standards presented in the NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1): Ambient Water Quality and Guidance Values, October 1993 are included in Appendix B.

Please refer to Table II for the tabulated results of the volatile organic compounds detected within the groundwater samples. Table I outlines the comparison and decrease of analytes over the last five sampling events.

All previous groundwater sampling events were split with Jamie Ascher of the NYSDEC, however only ***LEA*** submitted samples for laboratory analysis from the December 12, 2000 sampling event.

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100 Commercial Street, Plainview, New York
Groundwater Sampling Comparision Results
Contaminants of Concern

	Sep-99	Dec-99	Apr-00	Aug-00	Dec-00
	MW-3	MW-3	MW-3	MW-3	MW-3
1,1,1 Trichloroethane	8	BQL	BQL	BQL	3
Trichloroethene	3	BQL	BQL	BQL	BQL
Tetrachloroethene	20	1.4	BQL	0.8	2
	MW-4	MW-4	MW-4	MW-4	MW-4
1,1,1 Trichloroethane	6	4.9	4	5	2
Trichloroethene	13	12	8	8.6	2
Tetrachloroethene	130	130	97	88	29
	MW-5	MW-5	MW-5	MW-5	MW-5
1,1,1 Trichloroethane	6	4.1	2	2.2	1
Trichloroethene	15	9.9	6	3.7	0.6
Tetrachloroethene	180	150	77	58	15
	MW-7	MW-7	MW-7	MW-7	MW-7
1,1,1 Trichloroethane	2	4.6	BQL	BQL	BQL
Trichloroethene	BQL	BQL	BQL	BQL	BQL
Tetrachloroethene	3	4.8	BQL	BQL	BQL
	MW-9	MW-9	MW-9	MW-9	MW-9
1,1,1 Trichloroethane	NA	1.4	BQL	0.5	BQL
Trichloroethene	NA	1.8	BQL	1	BQL
Tetrachloroethene	NA	34	7	4.8	3

100 Commercial Street, Plainview
Groundwater Sampling Event
December 12, 2000

100 Commercial Street, Plainview, New York
Groundwater Sampling Event December 12, 2000
Sampling conducted by Carla M. Sullivan

Analyte/Location	MW-3 LEA	MW-4 LEA	MW-5 LEA	MW-7 LEA	MW-9 LEA	Trip Blank	MW-8* Blind Dup	NYSDEC Ambient GW
MTBE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	5
Tetrachloroethene	2	**29**	**15**	BQL	3	BQL	**17**	5
1,1,1 Tricholorethane	3	2	1	BQL	BQL	BQL	1	5
Tricholoroethene	BQL	2	0.6	BQL	BQL	BQL	1	5
1,1 Dichloroethane	BQL	0.6	BQL	BQL	BQL	BQL	BQL	5
cis-1,2-Dichloroethene	0.8	2	0.6	BQL	BQL	BQL	0.7	5
Chloroform	1	BQL	BQL	BQL	BQL	BQL	0.7	NA
Total VOC's	6.8	35.6	17.2	0	3	0	20.4	

All concentrations are in parts per billion (ppb)
BQL = below analytical quantitation level
Analytes not tabulated here are below analytical quantitation limits
Bold "= concentration over the NYSDEC Ambient GW Standards"
* = Blind Duplicate, MW-8 = MW-5

TABLE III

Groundwater Measurements

December 12, 2000

Well Location	MW-3	MW-4	MW-5	MW-7	MW-9	MW-8*
Temp/Celsius	13.4	13.3	13.3	13.4	13.2	NA
pH	5.5	5.4	5.7	5.5	5.5	NA
Conductivity	141	152	149	154	143	NA
mV	230	262	261	299	267	NA
Turbidity	52	48	46	42	49	NA
Depth to groundwater prior to purging	89.11'	102.91'	99.92'	107.76'	95.86'	NA
Depth to ground water after purging	89.12'	102.90'	99.92'	107.75'	95.86'	NA

MW-8 (Blind) = MW-5
NA = Not Applicable

3.0 STACK EMISSIONS TESTING

An air sample was collected from a sampling port in the stack emissions from the soil vapor extraction system. The sample was collected onto a SKC Anasorb CSC Orbo tube using a low flow pump. Laboratory analysis for halogenated hydrocarbons indicated the presence of tetrachloroethylene at 13 ug/m^3 and 1,1,1 trichloroethylene at 7 ug/ m^3. These concentrations are down from stack emissions of tetrachloroethylene at 26 ug/m^3 and 1,1,1 trichloroethylene at 220 ug/m^3 detected in the August 2, 2000 sample and well below the need for pre-emission treatment.

4.0 CONCLUSIONS

Based on analytical data from the most recent round of groundwater sampling, there has been a significant decrease in the concentrations of compounds of concern (COC), namely Trichloroethene, Tetrachloroethene and 1,1,1 Trichloroethane, in groundwater at the site. The reduced concentrations of these compounds found in stack emissions indicates that contaminants are not as effectively being removed from the soil and groundwater. As agreed in a discussion of the results from this sampling event with Mr. Jamie Asher, ***Laurel Environmental Associates, Ltd.*** will be shutting off three of the nine vapor extraction wells in order to increase productivity from the remaining six SVE points.

The sampling event of April, 2000 had the sudden presence of low to moderate concentrations of BTEX and MTBE within the samples collected from the monitoring wells known as MW-3 and MW-9, the up-gradient wells located on the southwest and southeast quadrants of the subject property. These contaminates were not detected by analysis in any of the groundwater samples from the December sampling event.

Based on the results of this quarterly sampling event, ***Laurel Environmental Associates, Ltd***. will be presenting the Closure Plan to the NYSDEC for approval to remove the subject property from active status. The Workplan, outlining all completed work to date, lists the criteria required for closure. In conjunction with six confirmatory soil borings at ten-foot increments from the source, LP-1 and LP-2 and four other locales on the west side of the subject property, groundwater sampling events will continue as required by the Workplan, bi-annually and then annually until June 2003.

QA/AC Review by: _____
Lesley Lucchese

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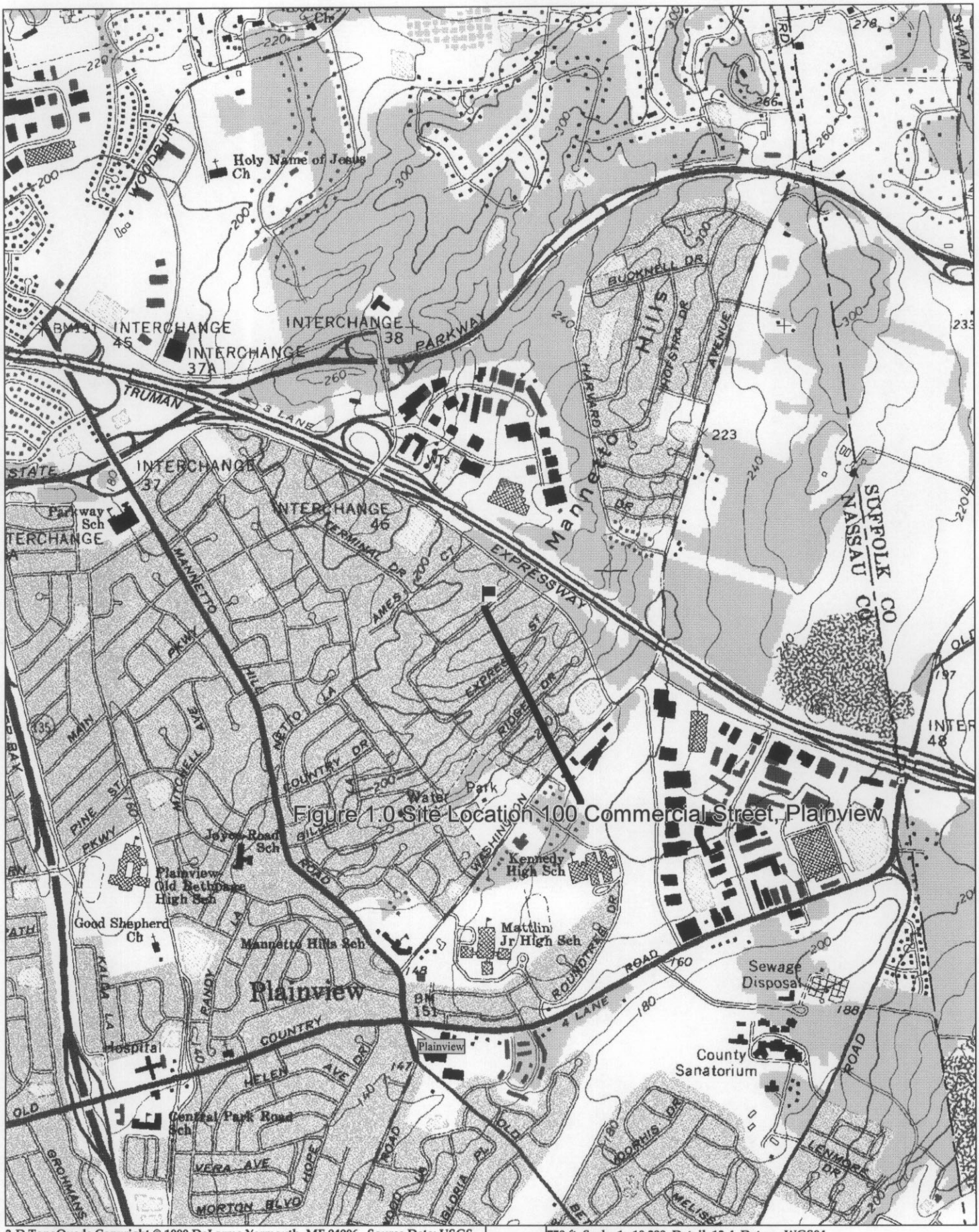

Figure 1.0 Site Location 100 Commercial Street, Plainview

750 ft Scale: 1 : 19,200 Detail: 13-4 Datum: WGS84

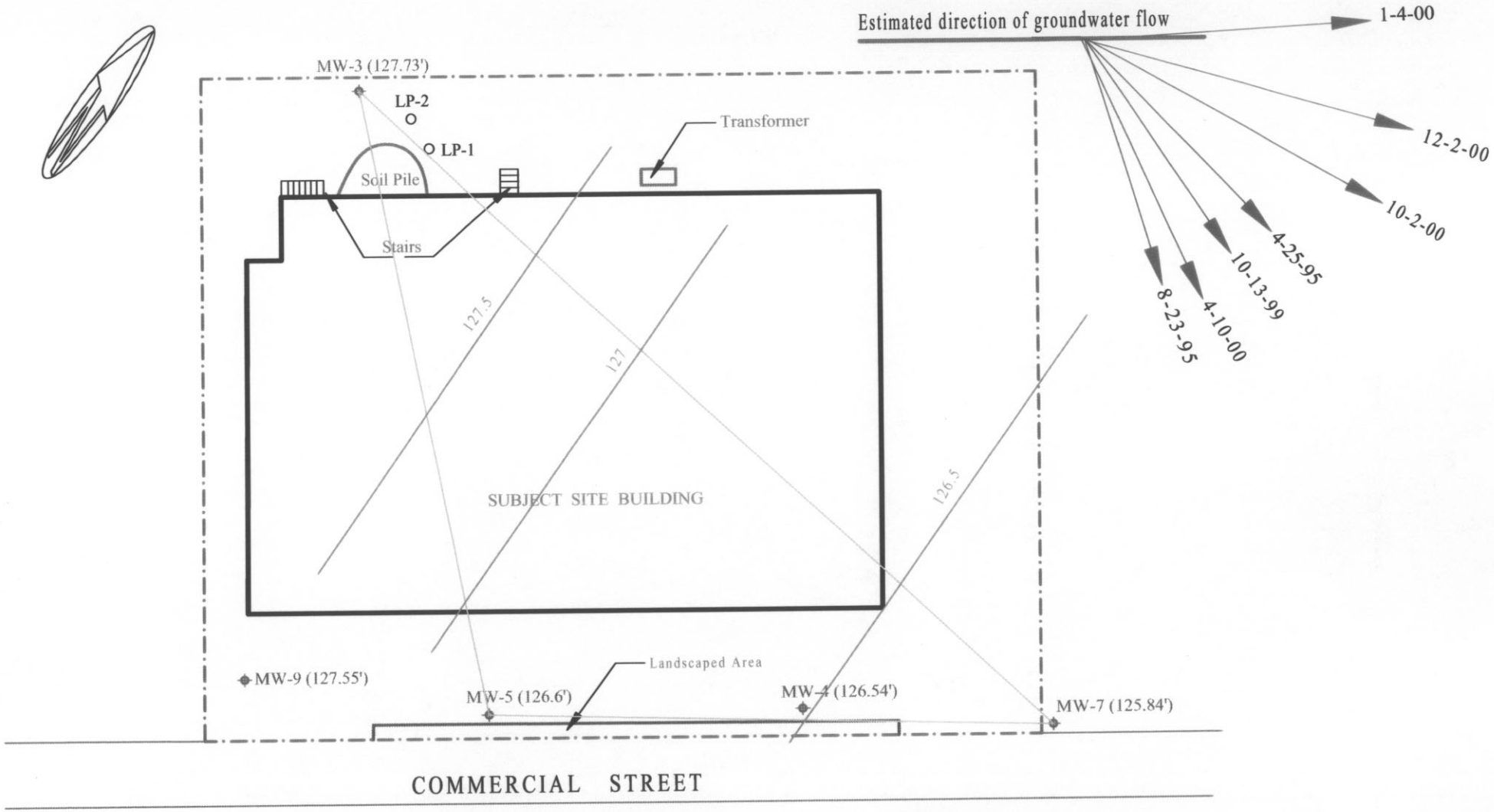

Figure 2.0

Site Vicinity Map with Potentiometric Surface Surveyed on 12.2.00

100 Commercial Street
Plainview, New York

APPENDIX A

Laboratory Analytical Results

SAMPLE DATA SUMMARY PACKAGE

Laurel Environmental
Huntington, NY
Project: 100 Commercial Street, Plainview
STL Lab. #: 223989
Matrix: Water
1 of 1

NEW YORK DEPARTMENT OF CONSERVATION
SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

Laboratory Sample ID	Matrix	Date Collected	Date Received at Laboratory	Date Analyzed
223989-01	Water	12/12/00	12/13/00	12/14/00
223989-02	Water	12/12/00	12/13/00	12/14/00
223989-03	Water	12/12/00	12/13/00	12/14/00
223989-04	Water	12/12/00	12/13/00	12/14/00
223989-05	Water	12/12/00	12/13/00	12/14/00
223989-06	Water	12/12/00	12/13/00	12/14/00
223989-07	Water	12/12/00	12/13/00	12/14/00

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		*VOA GC/MS Method #	*BNA GC/MS Method #	*VOA GC Method #	*PEST PCBs Method #	*Metals	*Other
MW-3	223989-01	121					
MW-4	223989-02	121					
MW-5	223989-03	121					
MW-7	223989-04	121					
MW-8	223989-05	121					
MW-9	223989-06	121					
TRIP BLANK	223989-07	121					

*See attached summary of methodology for method numbers.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-01

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3937

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	1.	U
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	0.9	J
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	0.8	J
67-66-3	Chloroform	1.	
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	3.	
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	1.	U
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U
127-18-4	Tetrachloroethene	2.	
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-01

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3937

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-3

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-01

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3937

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

Number TICs Found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-02

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3938

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	1.	U
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	0.6	J
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	2.	
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	2.	
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	2.	
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U
127-18-4	Tetrachloroethene	29.	
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-02

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3938

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-4

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-02

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3938

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-03

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3939

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	1.	U
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	0.6	J
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	0.6	J
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U
127-18-4	Tetrachloroethene	15.	
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-03

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3939

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

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

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-5

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-03

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3939

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

Number TICs Found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-04

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3940

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-04

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3940

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-7

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-04

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3940

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

Number TICs Found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-05

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3941

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	1.	U
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	0.7	J
67-66-3	Chloroform	0.7	J
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	1.	
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U
127-18-4	Tetrachloroethene	17.	
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-05

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3941

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-8

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-05

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3941

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

Number TICs Found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-06

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3942

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

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

SEVERN TRENT SERVICES

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NYSDOH 10142 NJDEP 73015 CTDOHS PH-0554 EPA NY049 PA 68-378 M-NY049

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-06

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3942

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

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

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-9

Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-06

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3942

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

Number TICs Found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-07

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3943

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-07

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3943

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

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Lab Name:STL NEWBURGH Contract:100 COMMERC

Lab Code:10142 Case No.: SAS No.: SDG No.:LE989

Matrix: (soil/water) WATER Lab Sample ID:223989-07

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: W3943

Level: (low/med) LOW Date Received:12/13/00

% Moisture: not dec. Date Analyzed:12/14/00

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

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

Number TICs Found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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APPENDIX B

NYSDEC Ambient Water Quality and Guidance Values

Table 1 (Continued)

NEW YORK STATE AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES

JUNE 1998

SUBSTANCE (CAS No.)	WATER CLASSES	STANDARD (ug/L)	GUIDANCE VALUE (ug/L)	TYPE	BASIS CODE
Tetrachloroethene (127-18-4)	A, A-S, AA, AA-S		0.7	H(WS)	A
	GA	*		H(WS)	J
	A, A-S, AA, AA-S, B, C, D		1	H(FC)	
	SA, SB, SC, I, SD		1	H(FC)	
Remark: * The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					
Tetrachloroterephthalic acid (2136-79-0)	GA	50		H(WS)	J
alpha, alpha, alpha, 4-Tetrachloro-toluene (5216-25-1)	A, A-S, AA, AA-S		5*	H(WS)	I
	GA	**		H(WS)	J
Remarks: * This substance did not receive a review beyond determining that it is in a principal organic contaminant class and that it does not have a more stringent Specific MCL. ** The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					
Tetrahydrofuran (109-99-9)	A, A-S, AA, AA-S		50	H(WS)	Z
	GA		50	H(WS)	Z
1,2,3,4-Tetramethylbenzene (488-23-3)	A, A-S, AA, AA-S		5*	H(WS)	I
	GA	**		H(WS)	J
Remarks: * This substance did not receive a review beyond determining that it is in a principal organic contaminant class and that it does not have a more stringent Specific MCL. ** The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					
1,2,3,5-Tetramethylbenzene (527-53-7)	A, A-S, AA, AA-S		5*	H(WS)	I
	GA	**		H(WS)	J
Remarks: * This substance did not receive a review beyond determining that it is in a principal organic contaminant class and that it does not have a more stringent Specific MCL. ** The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					
1,2,4,5-Tetramethylbenzene (95-93-2)	A, A-S, AA, AA-S		5*	H(WS)	I
	GA	**		H(WS)	J
Remarks: * This substance did not receive a review beyond determining that it is in a principal organic contaminant class and that it does not have a more stringent Specific MCL. ** The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance..					
Thallium (CAS No. Not Applicable)	A, A-S, AA, AA-S		0.5	H(WS)	B
	GA		0.5	H(WS)	B
	A, A-S, AA, AA-S, B, C	8*		A(C)	
	D	20		A(A)	
Remark: * For the waters of the Great Lakes System, the Department will substitute a guidance value for the aquatic Type standard if so determined under 702.15 (c). Aquatic Type standards apply to acid-soluble form.					

Table 1 (Continued)

NEW YORK STATE AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES

JUNE 1998

SUBSTANCE (CAS No.)	WATER CLASSES	STANDARD (ug/L)	GUIDANCE VALUE (ug/L)	TYPE	BASIS CODE
Theophylline (58-55-9)	A, A-S, AA, AA-S	40		H(WS)	B
	GA		40	H(WS)	B
Thiram (137-26-8)	GA	1.8		H(WS)	F
Toluene (108-88-3)	A, A-S, AA, AA-S	5		H(WS)	I
	GA	*		H(WS)	J
	A, A-S, AA, AA-S, B, C, D	6,000		H(FC)	B
	SA, SB, SC, I, SD	6,000		H(FC)	B
	A, A-S, AA, AA-S, B, C		100	A(C)	
	A, A-S, AA, AA-S, B, C, D		480	A(A)	
	SA, SB, SC, I		92	A(C)	
	SA, SB, SC, I, SD		430	A(A)	
Remark: * The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					
Toluene-2,4-diamine (95-80-7)	A, A-S, AA, AA-S		5*	H(WS)	I
	GA	**		H(WS)	J
Remarks: * This substance did not receive a review beyond determining that it is in a principal organic contaminant class and that it does not have a more stringent Specific MCL. ** The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					
Toluene-2,5-diamine (95-70-5)	A, A-S, AA, AA-S		5*	H(WS)	I
	GA	**		H(WS)	J
Remarks: * This substance did not receive a review beyond determining that it is in a principal organic contaminant class and that it does not have a more stringent Specific MCL. ** The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					
Toluene-2,6-diamine (823-40-5)	A, A-S, AA, AA-S		5*	H(WS)	I
	GA	**		H(WS)	J
Remarks: * This substance did not receive a review beyond determining that it is in a principal organic contaminant class and that it does not have a more stringent Specific MCL. ** The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					
o-Toluidine (95-53-4)	A, A-S, AA, AA-S		0.6	H(WS)	A
	GA	*		H(WS)	J
Remark: * The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					
Tolyltriazole (29385-43-1)	A, A-S, AA, AA-S		50	H(WS)	Z
	GA		50	H(WS)	Z

Table 1 (Continued)

NEW YORK STATE AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES

JUNE 1998

SUBSTANCE (CAS No.)	WATER CLASSES	STANDARD (ug/L)	GUIDANCE VALUE (ug/L)	TYPE	BASIS CODE
Toxaphene (8001-35-2)	A, A-S, AA, AA-S	0.06		H(WS)	A
	GA	0.06		H(WS)	A
	A, A-S, AA, AA-S, B, C, D	6×10^{-6}		H(FC)	A
	SA, SB, SC, I, SD	6×10^{-6}		H(FC)	A
	A, A-S, AA, AA-S, B, C	0.005		A(C)	
	D	1.6*		A(A)	
	SA, SB, SC	0.005		A(C)	
	I		0.005	A(C)	
	SD		0.07	A(A)	
Remark: * For the waters of the Great Lakes System, the Department will substitute a guidance value for the aquatic standard if so determined under 702.15 (d).					
1,2,4-Tribromobenzene (615-54-3)	A, A-S, AA, AA-S	5		H(WS)	I
	GA	*		H(WS)	J
Remark: * The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					
Tributyltin oxide (56-35-9)	A, A-S, AA, AA-S		50	H(WS)	Z
	GA		50	H(WS)	Z
2,4,6-Trichloroaniline (634-93-5)	A, A-S, AA, AA-S		5*	H(WS)	I
	GA	**		H(WS)	J
Remarks: * This substance did not receive a review beyond determining that it is in a principal organic contaminant class and that it does not have a more stringent Specific MCL. ** The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					
Trichlorobenzenes (87-61-6; 120-82-1; 108-70-3; 12002-48-1)	A, A-S, AA, AA-S		5***	H(WS)	I
	GA	*		H(WS)	J
	A, A-S, AA, AA-S, B, C	5**		A(C)	
	SA, SB, SC	5**		A(C)	
	I		5**	A(C)	
	A, A-S, AA, AA-S	10**		E	U
	GA		10**	E	U
	D	50**		E	V
	SD	50**		E	V
Remarks: * The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to each isomer (1,2,3-, 1,2,4- and 1,3,5-trichlorobenzene) individually. ** Applies to the sum of 1,2,3-, 1,2,4- and 1,3,5-trichlorobenzene. For the waters of the Great Lakes System, the Department will substitute a guidance value for the aquatic Type standard if so determined under 702.15 (c). *** This substance did not receive a review beyond determining that it is in a principal organic contaminant class and that it does not have a more stringent Specific MCL. Value applies to each isomer individually.					
1,1,1-Trichloroethane (71-55-6)	A, A-S, AA, AA-S	5		H(WS)	I
	GA	*		H(WS)	J
Remark: * The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					

Table 1 (Continued)

NEW YORK STATE AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES

JUNE 1998

SUBSTANCE (CAS No.)	WATER CLASSES	STANDARD (ug/L)	GUIDANCE VALUE (ug/L)	TYPE	BASIS CODE
1,1,2-Trichloroethane (79-00-5)	A, A-S, AA, AA-S	1		H(WS)	A
	GA	1		H(WS)	A
Trichloroethene (79-01-6)	A, A-S, AA, AA-S	5		H(WS)	I
	GA	*		H(WS)	J
	A, A-S, AA, AA-S, B, C, D	40		H(FC)	A
	SA, SB, SC, I, SD	40		H(FC)	A
Remark: * The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					
Trichlorofluoromethane (75-69-4)	A, A-S, AA, AA-S	5		H(WS)	I
	GA	*		H(WS)	J
Remark: * The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					
2,4,5-Trichlorophenoxyacetic acid (93-76-5)	GA	35		H(WS)	F
2,4,5-Trichlorophenoxypropionic acid (93-72-1)	A, A-S, AA, AA-S	10		H(WS)	G
	GA	0.26		H(WS)	F
1,1,2-Trichloropropane (598-77-6)	A, A-S, AA, AA-S	5		H(WS)	I
	GA	*		H(WS)	J
Remark: * The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					
1,2,3-Trichloropropane (96-18-4)	A, A-S, AA, AA-S	0.04		H(WS)	A
	GA	0.04		H(WS)	A
cis-1,2,3-Trichloropropene (13116-57-9)	A, A-S, AA, AA-S	5		H(WS)	I
	GA	*		H(WS)	J
Remark: * The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					
trans-1,2,3-Trichloropropene (13116-58-0)	A, A-S, AA, AA-S	5		H(WS)	I
	GA	*		H(WS)	J
Remark: * The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					
alpha,2,4-Trichlorotoluene (94-99-5)	A, A-S, AA, AA-S	5		H(WS)	I
	GA	*		H(WS)	J
Remark: * The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					
alpha,2.6-Trichlorotoluene (2014-83-7)	A, A-S, AA, AA-S	5		H(WS)	I
	GA	*		H(WS)	J
Remark: * The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.					