#13

ANSON ENVIRONMENTAL LTD.

771 New York Avenue
Huntington, New York 11743
631-351-3555
Fax: 631-351-3615
www.AnsonLtd.com

On-Site Groundwater Investigation

Utility Manufacturing / Wonder King

700 Main Street

Westbury, New York

Site No. 1-30-043H

December 11, 2000

Prepared by:

Anson Environmental Ltd.
771 New York Avenue
Huntington, NY

"Your Environmental Partner"

Executive Summary

During October 2000, Anson Environmental Ltd. performed a NYSDEC approved on-site investigation to determine the condition of the groundwater at the southwestern portion of the Utility Manufacturing property. Four borings were installed in the vicinity of an existing monitoring well (MW-5) and a new monitoring well, MW-6, was installed at one of the boring locations.

Groundwater samples were collected from three of the borings at 60, 70 and 85-feet depth below grade. The fourth boring was used to collect a groundwater sample at 95-feet depth below grade.

1.0 Introduction

On October 2, 2000, Anson Environmental Ltd. (AEL), in accordance with the Proposed Interim Remedial Measure Action Plan for Utility Manufacturing dated July 7, 2000, and NYSDEC letter to Dean Anson dated September 13, 2000, visited the Utility Manufacturing site to collect groundwater samples up to 85-feet depth below grade (DBG) in the vicinity adjoining Monitoring Well #5 (MW#5) (Figure 1). Using a truck mounted drill rig operated by Land, Air, Water Environmental Services, Inc., Center Moriches, New York, AEL installed three borings in the vicinity of MW#5. The three borings are designated B6, B7 and B8 and their locations are indicated on Figure 1. The installation of the borings and the collection of groundwater samples using a hydropunch sampler began on October 2, 2000 and were completed on October 10, 2000. The collected groundwater samples were delivered to H2M Labs, Inc., Melville, New York where they were analyzed for concentrations of volatile organic compounds (VOCs) using EPA Method 8260 with ASP Category B deliverables.

Table 1 lists the concentrations of VOCs that the laboratory detected above their method detection limit (MDL). The complete laboratory analysis for the collected groundwater samples is in Appendix 1.

In response to a NYSDEC request, AEL installed a fourth boring and collected a groundwater sample at 95-feet DBG. Later, a new monitoring well (MW-6) was constructed at this boring location.

All soil cuttings developed during the installation of the four borings and one monitoring well remain on-site and are stored in covered 55-gallon drums. All liquid waste and development water is stored on-site in covered 55-gallon drums. After proper disposal of these waste materials, AEL will send copies of the waste manifests to NYSDEC.

The following summarizes the work performed at each boring location.

2.0 Boring 6 (B6)

Boring 6 was installed on October 2, 2000. The depth to groundwater at Monitoring Well 5 (MW-5) was measured at 54-feet DBG. The location of B6 is approximately 2-feet west and 5.5-feet south of MW-5. Using a drill rig equipped with 4.25-inch diameter (DIA) hollow-stem augers and a hydropunch sampler, groundwater samples were collected at 60, 70, and 85-feet DBG. No sample was collected at 40-feet DBG because the hydropunch sampler did not yield enough water for laboratory analysis. A copy of the Driller's Log for B6 is in Appendix 2. The driller noted that a clay layer was encountered at approximately 38-feet DBG.

3.0 Boring 8 (B8)

Boring 8 was installed on October 3, 2000. The depth to groundwater at Monitoring Well 5 was measured at 54-feet DBG. The location B8 is approximately 8-feet north and 3-feet east of Drywell 6 (DW6). Using a drill rig equipped with 4.25-inch DIA hollow-stem augers and a hydropunch sampler, groundwater samples were collected at 60, 70, and 85-feet DBG. No groundwater sample was collected at 40-feet DBG because the soil was dry at that depth. A copy of the Driller's Log for B8 is in Appendix 2. The driller noted that a 2-inch clay layer was encountered at approximately 39-feet DBG.

4.0 Boring 7 (B7)

Boring 7 was installed on October 4, 2000. The depth to groundwater at Monitoring Well 5 was measured at 54-feet DBG. The location B7 is approximately 11-feet east and 5-feet south of Drywell 6 (DW6). Using a drill rig equipped with 4.25-inch DIA hollow-stem augers and a hydropunch sampler, groundwater samples were collected at 60, 70, and 85-feet DBG. No groundwater sample was collected at 40-feet DBG because the soil was dry at that depth. A copy of the Driller's Log for B7 is in Appendix 2. No clay layer was encountered while advancing the hollow-stem augers at B7.

5.0 Monitoring Well 6 (MW-6)

Based on preliminary laboratory results for the groundwater samples collected at B6, B7, and B8, NYSDEC requested that AEL collect a groundwater sample at 95-feet DBG.

On October 9, 2000, in response to the NYSDEC request, AEL installed a new boring near Boring 6. Later this new boring was used to install a new groundwater monitoring well designated MW-6. MW-6 is located 3-feet south and 2-feet west of MW-4.

To collect a groundwater sample at 95-feet DBG, AEL used 4.25-inch DIA hollow stem augers and advanced the augers to approximately 92-feet DBG. A hydropunch sampler was then used to collect the groundwater sample at 95-feet DBG and the sample was designated MW6-95ft DBG. The sample was subsequently delivered to H2M Labs, Inc., where it was analyzed for concentrations of VOCs using EPA Method 8260 with ASP Category B deliverables. The laboratory analytical report for the groundwater sample collected at 95-feet DBG is in Appendix 1.

After collecting the groundwater sample at 95-feet DBG, the 4.25-inch DIA augers were retrieved. Larger augers measuring over 6.5-inches DIA were then installed in the boring and a high specification 4-inch DIA PVC groundwater monitoring well was constructed. The new monitoring well, designated MW-6, is set at 95-feet DBG and is constructed with number 10-slotted screen from 55-feet to 95-feet DBG. From grade level to 55-feet DBG MW-6 is constructed with solid 4-inch DIA PVC pipe. Later, MW-6 will be used to inject *in situ* chemical oxidizers to remediate the on-site groundwater.

A copy of the Driller's Log for the boring at MW-6 and MW-6 is in Appendix 2. The boring at MW-6 is incorrectly designated Boring B-6 Hydropunch and MW-#7 should be designated MW-6.

6.0 Upgradient Monitoring Wells and Soil Borings

In October 1995, AEL collected groundwater samples at SB#2 at 60, 70 and 85-feet DBG. The laboratory analysis of the samples reported concentrations of VOCs as listed in Table 2. The most significant VOCs that were detected include tetrachloroethene and trichloroethene. Copies of the laboratory analysis is in Appendix 3.

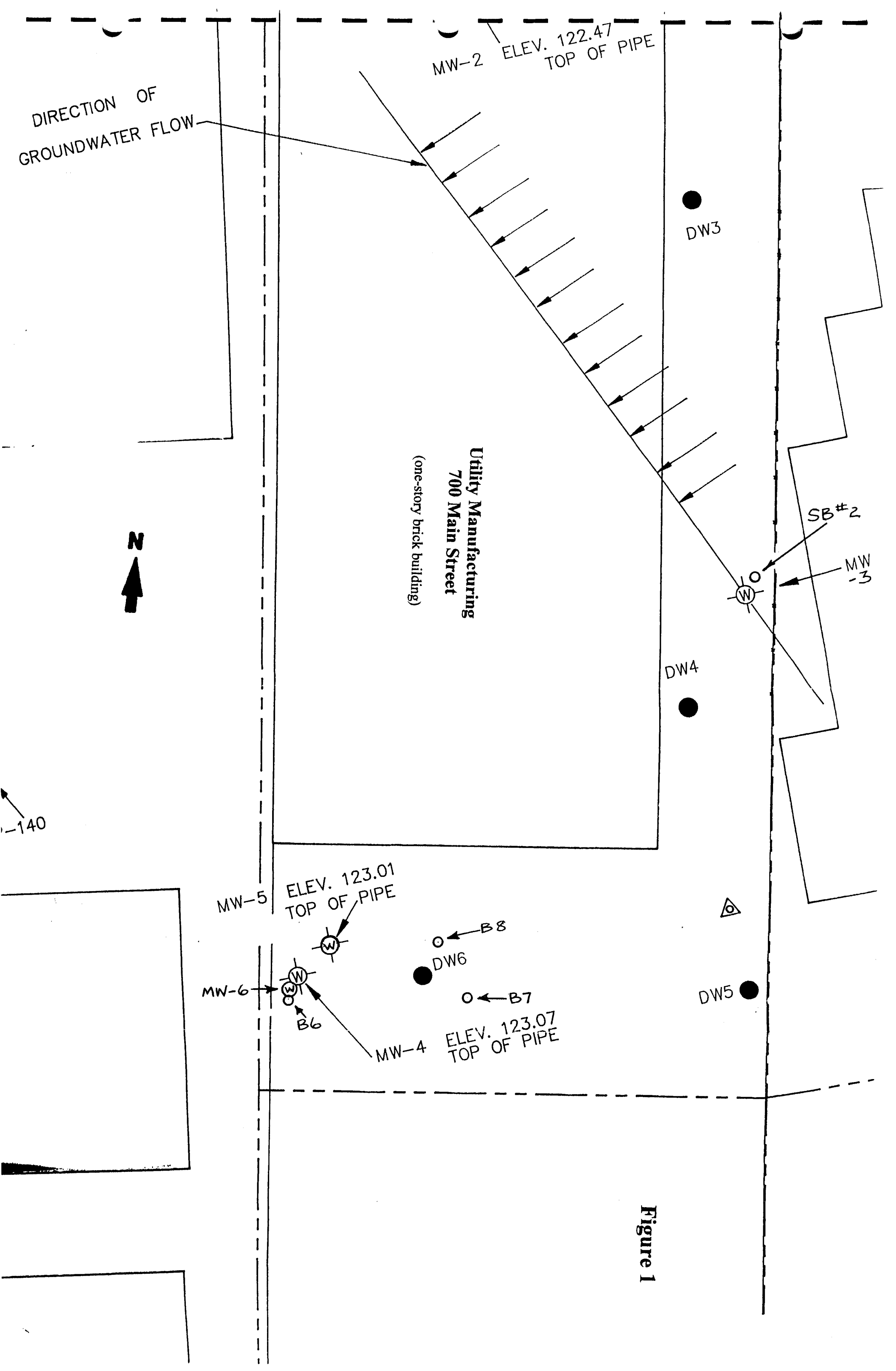

MW-2 ELEV. 122.47
TOP OF PIPE
DIRECTION OF
GROUNDWATER FLOW
DW3
Utility Manufacturing
700 Main Street
(one-story brick building)
N
SB #2
MW
-3
DW4
-140
MW-5 ELEV. 123.01
TOP OF PIPE
B8
DW6
MW-6
B7
DW5
B6
MW-4 ELEV. 123.07
TOP OF PIPE

Figure 1

Appendix 1

Laboratory Analysis for Collected Groundwater Samples

Samples Collected from:

Boring 6
Boring 7
Boring 8
Monitoring Well 6

Sample Collection Dates:

October 2 – 9, 2000

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6-60'DBG

Lab Name: H2M LABS,INC Contract:

Lab Code: Case No.: SAS No.: SDG No.: ANSON00

Matrix: (soil/water) WATER Lab Sample ID: 20001005-121

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: A28761.D

Level: (low/med) LOW Date Received: 10/04/00

% Moisture: not dec. Date Analyzed: 10/06/00

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	1	J
540-59-0	1,2-Dichloroethene (total)	34	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	14	
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	38	
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	530	E
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene(total)	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6-70'DBG

Lab Name: H2M LABS,INC Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: ANSON00

Matrix: (soil/water) WATER Lab Sample ID: 20001005-122

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: A28762.D

Level: (low/med) LOW Date Received: 10/04/00

% Moisture: not dec. _____ Date Analyzed: 10/06/00

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	1	J
540-59-0	1,2-Dichloroethene (total)	38	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	13	
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	37	
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	440	E
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene(total)	10	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B6-85'DBG

Lab Name: H2M LABS,INC Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: ANSON00

Matrix: (soil/water) WATER Lab Sample ID: 20001005-123

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: A28763.D

Level: (low/med) LOW Date Received: 10/04/00

% Moisture: not dec. _____ Date Analyzed: 10/06/00

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	13	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	85	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene(total)	10	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B7-60'DBG

Lab Name: H2M LABS,INC Contract:

Lab Code: Case No.: SAS No.: SDG No.: ANSON00

Matrix: (soil/water) WATER Lab Sample ID: 20001005-124

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: A28764.D

Level: (low/med) LOW Date Received: 10/04/00

% Moisture: not dec. Date Analyzed: 10/06/00

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	6	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	7	J
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	15	
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	220	E
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene(total)	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7-60'DBGDL

Lab Name: H2M LABS,INC Contract:

Lab Code: Case No.: SAS No.: SDG No.: ANSON00

Matrix: (soil/water) WATER Lab Sample ID: 20001005-124

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: A28780.D

Level: (low/med) LOW Date Received: 10/04/00

% Moisture: not dec. Date Analyzed: 10/09/00

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	20	U
74-83-9	Bromomethane	20	U
75-01-4	Vinyl Chloride	20	U
75-00-3	Chloroethane	20	U
75-09-2	Methylene Chloride	20	U
67-64-1	Acetone	20	U
75-15-0	Carbon Disulfide	20	U
75-35-4	1,1-Dichloroethene	20	U
75-34-3	1,1-Dichloroethane	20	U
540-59-0	1,2-Dichloroethene (total)	6	JD
78-93-3	2-Butanone	20	U
67-66-3	Chloroform	20	U
107-06-2	1,2-Dichloroethane	20	U
71-55-6	1,1,1-Trichloroethane	7	JD
56-23-5	Carbon Tetrachloride	20	U
75-27-4	Bromodichloromethane	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
79-01-6	Trichloroethene	15	JD
71-43-2	Benzene	20	U
124-48-1	Dibromochloromethane	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
79-00-5	1,1,2-Trichloroethane	20	U
75-25-2	Bromoform	20	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	220	D
79-34-5	1,1,2,2-Tetrachloroethane	20	U
108-88-3	Toluene	20	U
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U
100-42-5	Styrene	20	U
1330-20-7	Xylene(total)	20	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7-70'DBG

Lab Name: H2M LABS,INC Contract:

Lab Code: Case No.: SAS No.: SDG No.: ANSON00

Matrix: (soil/water) WATER Lab Sample ID: 20001005-125

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: A28765.D

Level: (low/med) LOW Date Received: 10/04/00

% Moisture: not dec. Date Analyzed: 10/06/00

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	J
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	9	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	6	J
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	21	
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	300	E
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene(total)	10	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B7-70'DBGDL

Lab Name: H2M LABS,INC Contract:

Lab Code: Case No.: SAS No.: SDG No.: ANSON00

Matrix: (soil/water) WATER Lab Sample ID: 20001005-125

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: A28781.D

Level: (low/med) LOW Date Received: 10/04/00

% Moisture: not dec. Date Analyzed: 10/09/00

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	20	U
74-83-9	Bromomethane	20	U
75-01-4	Vinyl Chloride	20	U
75-00-3	Chloroethane	20	U
75-09-2	Methylene Chloride	20	U
67-64-1	Acetone	20	U
75-15-0	Carbon Disulfide	4	JD
75-35-4	1,1-Dichloroethene	20	U
75-34-3	1,1-Dichloroethane	20	U
540-59-0	1,2-Dichloroethene (total)	8	JD
78-93-3	2-Butanone	20	U
67-66-3	Chloroform	20	U
107-06-2	1,2-Dichloroethane	20	U
71-55-6	1,1,1-Trichloroethane	6	JD
56-23-5	Carbon Tetrachloride	20	U
75-27-4	Bromodichloromethane	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
79-01-6	Trichloroethene	20	D
71-43-2	Benzene	20	U
124-48-1	Dibromochloromethane	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
79-00-5	1,1,2-Trichloroethane	20	U
75-25-2	Bromoform	20	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	300	D
79-34-5	1,1,2,2-Tetrachloroethane	20	U
108-88-3	Toluene	20	U
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U
100-42-5	Styrene	20	U
1330-20-7	Xylene(total)	20	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7-85'DBG

Lab Name: H2M LABS,INC Contract:

Lab Code: Case No.: SAS No.: SDG No.: ANSON00

Matrix: (soil/water) WATER Lab Sample ID: 20001005-126

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: A28783.D

Level: (low/med) LOW Date Received: 10/04/00

% Moisture: not dec. Date Analyzed: 10/09/00

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	2	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	2	J
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	5	J
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	71	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene(total)	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B8-60'DBG

Lab Name: H2M LABS,INC Contract:

Lab Code: Case No.: SAS No.: SDG No.: ANSON00

Matrix: (soil/water) WATER Lab Sample ID: 20001005-128

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: A28770.D

Level: (low/med) LOW Date Received: 10/04/00

% Moisture: not dec. Date Analyzed: 10/06/00

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	5	J
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	15	
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	300	E
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene(total)	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B8-60'DBGDL

Lab Name: H2M LABS,INC Contract:

Lab Code: Case No.: SAS No.: SDG No.: ANSON00

Matrix: (soil/water) WATER Lab Sample ID: 20001005-128

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: A28782.D

Level: (low/med) LOW Date Received: 10/04/00

% Moisture: not dec. Date Analyzed: 10/09/00

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	20	U
74-83-9	Bromomethane	20	U
75-01-4	Vinyl Chloride	20	U
75-00-3	Chloroethane	20	U
75-09-2	Methylene Chloride	20	U
67-64-1	Acetone	20	U
75-15-0	Carbon Disulfide	20	U
75-35-4	1,1-Dichloroethene	20	U
75-34-3	1,1-Dichloroethane	20	U
540-59-0	1,2-Dichloroethene (total)	9	JD
78-93-3	2-Butanone	20	U
67-66-3	Chloroform	20	U
107-06-2	1,2-Dichloroethane	20	U
71-55-6	1,1,1-Trichloroethane	5	JD
56-23-5	Carbon Tetrachloride	20	U
75-27-4	Bromodichloromethane	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
79-01-6	Trichloroethene	15	JD
71-43-2	Benzene	20	U
124-48-1	Dibromochloromethane	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
79-00-5	1,1,2-Trichloroethane	20	U
75-25-2	Bromoform	20	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	290	D
79-34-5	1,1,2,2-Tetrachloroethane	20	U
108-88-3	Toluene	20	U
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U
100-42-5	Styrene	20	U
1330-20-7	Xylene(total)	20	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B8-70'DBG

Lab Name: H2M LABS,INC Contract:

Lab Code: Case No.: SAS No.: SDG No.: ANSON00

Matrix: (soil/water) WATER Lab Sample ID: 20001005-127

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: A28767.D

Level: (low/med) LOW Date Received: 10/04/00

% Moisture: not dec. Date Analyzed: 10/06/00

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	12	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	2	J
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	7	J
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	110	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene(total)	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B8-85'DBG

Lab Name: H2M LABS,INC Contract:

Lab Code: Case No.: SAS No.: SDG No.: ANSON00

Matrix: (soil/water) WATER Lab Sample ID: 20001005-129

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: A28784.D

Level: (low/med) LOW Date Received: 10/04/00

% Moisture: not dec. Date Analyzed: 10/09/00

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	13	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	4	J
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	13	
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	210	E
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene(total)	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B8-85'DBGDL

Lab Name: H2M LABS,INC Contract:

Lab Code: Case No.: SAS No.: SDG No.: ANSON00

Matrix: (soil/water) WATER Lab Sample ID: 20001005-129

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: A28788.D

Level: (low/med) LOW Date Received: 10/04/00

% Moisture: not dec. Date Analyzed: 10/09/00

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 2.5

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	25	U
74-83-9	Bromomethane	25	U
75-01-4	Vinyl Chloride	25	U
75-00-3	Chloroethane	25	U
75-09-2	Methylene Chloride	5	JD
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	25	U
75-35-4	1,1-Dichloroethene	25	U
75-34-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	13	JD
78-93-3	2-Butanone	25	U
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
71-55-6	1,1,1-Trichloroethane	4	JD
56-23-5	Carbon Tetrachloride	25	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	14	JD
71-43-2	Benzene	25	U
124-48-1	Dibromochloromethane	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
79-00-5	1,1,2-Trichloroethane	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-Pentanone	25	U
591-78-6	2-Hexanone	25	U
127-18-4	Tetrachloroethene	210	D
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U
1330-20-7	Xylene(total)	25	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW695FTDBG

Lab Name: H2M LABS,INC Contract:

Lab Code: Case No.: SAS No.: SDG No.: ANSON00

Matrix: (soil/water) WATER Lab Sample ID: 20001011-034

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P16859.D

Level: (low/med) LOW Date Received: 10/11/00

% Moisture: not dec. Date Analyzed: 10/16/00

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	7	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	7	J
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	93	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

2. CHAIN OF CUSTODY DOCUMENTATION

H2M LABS, INC.

4060

EXTERNAL CHAIN OF CUSTODY

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (516) 694-3040 Fax: (516) 420-8436

CLIENT: Anson Env.

H2M SDG NO:

PROJECT NAME/NUMBER: UTILITY MANUFACTURING PROJ No. 95067

SAMPLERS: (signature)/Client: John Teagno

DELIVERABLES: NYSDEC Cat B Deliverable

TURNAROUND TIME:

NOTES: TCL VOA by 8260

Project Contact: John Teagno

Phone Number: 631-351-3555

516-429-9440 (field)

Sample Container Description: 40ml vial w/ HCl

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	ORGANIC: VOA	ORGANIC: BNA	ORGANIC: Pest/PCB	INORG.: Metal	INORG.: CN	LAB I.D. NO.	REMARKS:
10/3/00	1310	LIQUID	B8-70' DBG	6	6					2000/1005-127	MS/MSD
10/3/00	1115	LIQUID	B8-60' DBG	2	2					-128	
10/3/00	1415	LIQUID	B8-85' DBG	2	2					-129	
10/1/00	1100	"	B6-60' DBG	1	1					-121	
10/2/00	1450	"	B6-85' DBG	1	1					-123	
			~~B6-85'~~	~~2~~	~~2~~						
10/2/00	1410	LIQUID	B6-70' DBG	1	1					-122	
10/4/00	1040	"	B7-60 ft DBG	2	2					-124	
10/4/00	1130	"	B7-70 ft DBG	2	2					-125	
10/4/00	1330	"	B7-85 ft DBG	2	2					-126	
				~~2~~							

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karen Eck	10/3/00	1045	J. Teagno	10/3/00	1115
Dean Anson II	10/3/00	1115	Dean Anson II	10/3/00	1045
J. Teagno	10/4/00	1525	[illegible]	10/4/00	1525
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N

Explain: _____

Samples were:
1. Shipped___ or Hand Delivered___ Airbill# _____
2. Ambient or chilled
3. Received in good condition: Y or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

WHITE COPY - ORIGINAL 10/3/00 YELLOW COPY - CLIENT PINK COPY - LABORATORY

H2M LABS, INC.

4059

EXTERNAL CHAIN OF CUSTODY

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (516) 694-3040 Fax: (516) 420-8436

CLIENT: Anson Env.

H2M SDG NO:

PROJECT NAME/NUMBER: UTILITY MANUFACTURING PROJ. NO. 95067

SAMPLERS: (signature)/Client

DELIVERABLES: NYSDEC Cat B Deliverable

TURNAROUND TIME:

Sample Container Description → 40ml vial w/ HCL

NOTES: TCL VOA by 8260

Project Contact:

Phone Number:

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	ORGANIC: VOA	BNA	Pest/PCB				INORG.: Metal	CN	LAB I.D. NO.	REMARKS:
					~~2~~									
					~~2~~									
					~~2~~									
					~~2~~									
					~~2~~									
					~~2~~									
					~~2~~									
					~~2~~									
10/4/00	1116	LIQUID	FIELD BLANK	2	2								2000/005-139	Field Blank
10/3/00		LIQUID	TRIP BLANK	2	2								✓-140 ~~-130~~	Trip Blank

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karen E. [signature]	10/3/00	1045	John Tegins [signature]	10/3/00	1115
Dean Anson II	10/3/00	1115	Dean Anson II	10/3/00	1045
J. Tegins	10/4/00	1525	[signature]	10/4/00	1525

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N
Explain:

Samples were:
1. Shipped___ or Hand Delivered___ Airbill# ______
2. Ambient or chilled
3. Received in good condition: Y or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

WHITE COPY - ORIGINAL 10/3/00 YELLOW COPY - CLIENT PINK COPY - LABORATORY

0005

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (516) 694-3040 Fax: (516) 420-8436

4973

EXTERNAL CHAIN OF CUSTODY

CLIENT: ANSON ENVIRONMENTAL | H2M SDG NO:

PROJECT NAME/NUMBER
• UTILITY MANUFACTURING
PROJ. NO. 95067

SAMPLERS: (signature)/Client
John Tegins / ANSON

DELIVERABLES:
NYSDEC CAT. B DELIVERABLES

TURNAROUND TIME:

NOTES:
HOT
TCL VOA
BY 8260

Project Contact:

Phone Number:

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	Sample Container Description	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
10/9/00	1600	LIQUID	MW6 - 95 ft DBG	6	40ml VOA-HCl	6					20001011-034	MS/MSD
			FIELD BLANK	2		2					20001011-035	FIELD BLANK
		↓	TRIP BLANK	2		2					20001011-036	TRIP BLANK

~~FIELD BLANK~~ JT
~~TB~~ JT

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
J. Tegins	10/11/00	0930	[signature]	10/11/00	0930
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N
Explain:

Samples were:
1. Shipped___ or Hand Delivered___ Airbill# _____
2. Ambient or chilled
3. Received in good condition: Y or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

S 0011

WHITE COPY - ORIGINAL | YELLOW COPY - CLIENT | PINK COPY - LABORATORY

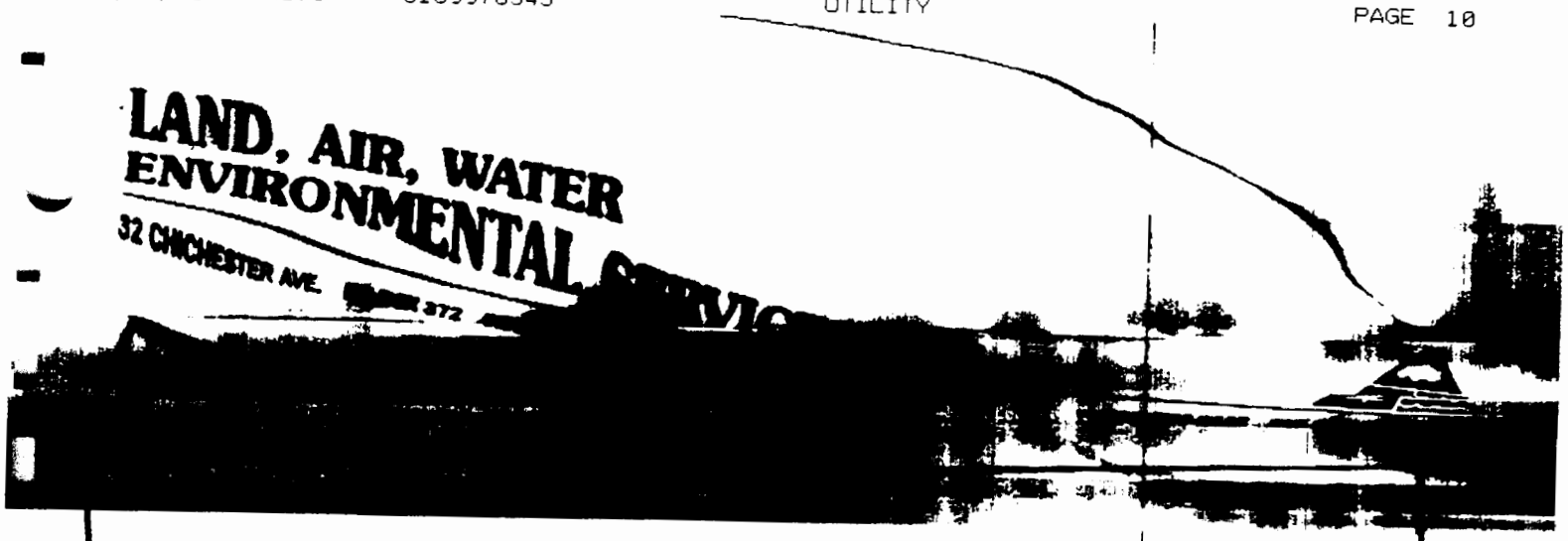
Appendix 2

Driller's Log

Site: Utility Manufacturing

Drilling Dates:

October 2 – 10, 2000



DRILLER'S LOGS

Utility Manufacturing Co.
Westbury, NY

October 2000

LAND, AIR, WATER ENVIRONMENTAL SERVICES, INC.
DRILLER'S LOGS

Boring B-6 Page# 1 of 1

DATE: October 2, 2000
SITE: 700 Main Street
Westbury, NY

CLIENT: Utility Manufacturing Co.
Westbury, NY

DEPTH DRILLED: 85 feet
DRILLING METHOD: Hollow Stem Auger 4 1/4"

DEPTH TO WATER: 54 feet
BORING GROUTED: No
DRILLING FLUID: None

DRILLER: C. Pedersen
HELPER: J. Pedersen

0 ft	5 ft	Hand/Auger Cuttings	Brown/tan sand, coarse to medium, 20% gravel
5 ft	25 ft	Auger Cuttings	Tan sand, coarse to medium, 50% gravel
25 ft	38 ft	Auger Cuttings	Tan sand, coarse to medium, 40% gravel
38 ft	40 ft	Auger Cuttings	Take water sample with bailer, perched water, red/gray clay, (OL)
40 ft	59 ft	Auger Cuttings	Pink/brown silty sand, medium to fine, 5% gravel
59 ft	60 ft		Hydropunch
60 ft	69 ft	Auger Cuttings	Light brown sand, fine to medium, trace gravel, wet
69 ft	70 ft		Hydropunch
70 ft	84 ft	Auger Cuttings	Light brown/tan sand, fine to medium, trace gravel, wet
84 ft	85 ft		Hydropunch

LAND, AIR, WATER ENVIRONMENTAL SERVICES, INC.
DRILLER'S LOGS

Boring B-8

DATE: October 3, 2000
SITE: 700 Main Street, Westbury, NY
CLIENT: Utility Manufacturing Co. Westbury, NY

DEPTH DRILLED: 85 feet
DEPTH TO WATER: 54 feet
DRILLING METHOD: Hollow Stem Auger 4 1/4"
BORING GROUTED: No
CORING DEVISE: 2" X 24"
DRILLING FLUID: None
HAMMER DROP: 30 inches
HAMMER WEIGHT: 140 lb.

DRILLER: C. Pedersen
HELPER: R. Doering

0 ft	25 ft	Hand/Auger Cuttings		Light brown/tan sand, coarse to medium, 50% gravel, 0-2 refusal pipe
25 ft	38 ft	Auger Cuttings		Tan sand, coarse to medium, 25% gravel
38 ft	40 ft	14 inches	6-7-10-13	Tan/pink sand, coarse to medium, bailer for water, 2" clay layer 39' 4" to 39' 6"
40 ft	59 ft	Auger Cuttings		Pink tan silty sand, medium to fine, 5% gravel
59 ft	60 ft			Hydropunch
60 ft	69 ft	Auger Cuttings		Pinkish brown sand, medium to fine, 20% gravel, wet
69 ft	70 ft			Hydropunch
70 ft	84 ft	Auger Cuttings		Pinkish brown sand, medium to fine, wet
84 ft	85 ft			Hydropunch

LAND, AIR, WATER ENVIRONMENTAL SERVICES, INC.
DRILLER'S LOGS

Boring B-7 Page# 1 of 1

DATE: October 4, 2000
SITE: 700 Main Street
Westbury, NY

CLIENT: Utility Manufacturing Co.
Westbury, NY

DEPTH DRILLED:	85 feet	DEPTH TO WATER:	54 feet
DRILLING METHOD:	Hollow Stem Auger 4 1/4"	BORING GROUTED:	No
CORING DEVISE:	2" X 24"	DRILLING FLUID:	None
HAMMER DROP:	30 inches	HAMMER WEIGHT:	140 lb.

DRILLER: C. Pedersen HELPER: R. Doering

0 ft	20 ft	Hand/Auger Cuttings		Brown/tan sand, coarse to medium, 50% gravel
20 ft	38 ft	Auger Cuttings		Tan sand, coarse to medium, 25% gravel
38 ft	40 ft	14 inches	8-12-17-19	Orangy/white sand, medium to fine, trace gravel, (SP)
40 ft	59 ft	Auger Cuttings		Pink/tan sand, coarse to medium to fine, 5% gravel
59 ft	60 ft			Hydropunch
60 ft	69 ft	Auger Cuttings		Pink/brown silty sand, medium to fine, trace gravel, wet
69 ft	70 ft			Hydropunch
70 ft	84 ft	Auger Cuttings		Pink/brown silty sand, medium to fine, trace gravel, wet
84 ft	85 ft			Hydropunch

LAND, AIR, WATER ENVIRONMENTAL SERVICES, INC.

DRILLER'S LOGS

Boring B-6 Hydropunch MW-6 BORE HOLE J. Tegjus **Page# 1 of 1**

DATE: October 9, 2000

SITE: 700 Main Street
Westbury, NY

CLIENT: Utility Manufacturing Co.
Westbury, NY

DEPTH DRILLED:	95 feet	DEPTH TO WATER:	54 feet
DRILLING METHOD:	Hollow Stem Auger 4 1/4"	BORING GROUTED:	No
CORING DEVISE:	3" X 24"	DRILLING FLUID:	None
HAMMER DROP:	30 inches	HAMMER WEIGHT:	140 lb.

DRILLER: C. Pedersen HELPER: J. Pedersen

0 ft	20 ft	Hand	Brown/tan sand, coarse to medium, 40% gravel
20 ft	50 ft	Auger Cuttings	Tan sand, coarse to medium, 20% gravel
50 ft	70 ft	Auger Cuttings	Pink/tan sand, coarse to medium, 10% gravel, wet
70 ft	72 ft	3" spoons	Light tan sand, coarse to medium, 5% gravel, wet, (6) 3" spoons taken
72 ft	94 ft	Auger Cuttings	Light tan/pink sand, coarse to medium, 5% gravel, wet
94 ft	95 ft		Hydropunch

LAND, AIR, WATER ENVIRONMENTAL SERVICES, INC.

DRILLER'S LOGS

MW-6 J. Tozzi

MW-#7 MW-6 J. Tozzi Page# 1 of 1

DATE: October 10, 2000
SITE: 700 Main Street
Westbury, NY

CLIENT: Utility Manufacturing Co.
Westbury, NY

DEPTH DRILLED:	96	feet	DEPTH TO WATER:	55	feet
CASING INSTALLED:	55	feet	SCREEN INSTALLED	40	feet
CASING DIAMETER:	4	feet	SLOT SIZE:	0.010	
DRILLING METHOD:	Hollow Stem Auger 6 5/8"		WELL GROUTED:	yes	

DRILLER: C. Pedersen HELPER: J. Pedersen

0 ft	25 ft	Hand/Auger Cuttings	Brown/tan sand, coarse to medium, 50% gravel
25 ft	50 ft	Auger Cuttings	Brown/tan sand, coarse to medium, 20% gravel
50 ft	70 ft	Auger Cuttings	Brown/tan/pink silty sand, medium to fine, 5% gravel, wet
70 ft	72 ft	3" spoons	Tan/pink silty sand, coarse to medium to fine, trace gravel, wet, (6) 3" spoon (30lbs. Soil)
72 ft	96 ft	Auger Cuttings	Tan sand, medium to fine, trace gravel, wet

Appendix 3

Laboratory Analysis for Collected Groundwater Samples

Samples Collected from:

SB #2

Sample Collection Date:

October 5, 1995

ORGANICS ANALYSIS DATA SHEET-VOLATILE COMPOUNDS

Lab Name: LRI

Client Sample ID No.: SB#2(60')

Lab Sample ID: T510089-01

Matrix: [soil/water] WATER

Lab File ID: >I2645

Sample wt/vol: 5.0 [g/mL] ML

Run Type: 601VOA

Level: [low/med] LOW

Date Received: 10/05/95

% Moisture: NA

Date Analyzed : 10/11/95

GC Column : DB-VRX ID: 0.45 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/L	Q
74-87-3	Chloromethane	.52	U
74-83-9	Bromomethane	1.00	U
124-48-1	Chlorodibromomethane	.67	U
75-01-4	Vinyl chloride	.50	U
75-00-3	Chloroethane	.75	U
75-09-2	Methylene chloride	.88	U
100-75-8	2-Chloroethyl vinyl ether	1.00	U
75-69-4	Trichlorofluoromethane	.94	U
75-71-8	Dichlorodifluoromethane	.10	U
75-35-4	1,1-Dichloroethene	1.00	U
75-34-3	1,1-Dichloroethane	.59	U
156-60-5	trans-1,2-Dichloroethene	.84	U
67-66-3	Chloroform	.37	U
107-06-2	1,2-Dichloroethane	.58	U
71-55-6	1,1,1-Trichloroethane	4.0	
56-23-5	Carbon tetrachloride	.72	U
75-27-4	Bromodichloromethane	.53	U
78-87-5	1,2-Dichloropropane	.31	U
10061-01-5	cis-1,3-Dichloropropene	.55	U
79-01-6	Trichloroethene	5.4	
10061-02-6	trans-1,3-Dichloropropene	.47	U
79-00-5	1,1,2-Trichloroethane	1.60	U
75-25-2	Bromoform	.22	U
127-18-4	Tetrachloroethene	100	
108-90-7	Chlorobenzene	.09	U
541-73-1	1,3-Dichlorobenzene	.18	U
106-46-7	1,4-Dichlorobenzene	.23	U
95-50-1	1,2-Dichlorobenzene	.15	U
79-34-5	1,1,2,2-Tetrachloroethane	.13	U

SADF: 1.00

Total Hit(s): 3

ORGANICS ANALYSIS DATA SHEET-VOLATILE COMPOUNDS

Lab Name: LRI

Client Sample ID No.: SB#2(75')

Lab Sample ID: T510089-02

Matrix: [soil/water] WATER

Lab File ID: >I2646

Sample wt/vol: 5.0 [g/mL] ML

Run Type: 601VOA

Level: [low/med] LOW

Date Received: 10/05/95

% Moisture: NA

Date Analyzed : 10/11/95

GC Column : DB-VRX ID: 0.45 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/L	Q
74-87-3	Chloromethane	.52	U
74-83-9	Bromomethane	1.00	U
124-48-1	Chlorodibromomethane	.67	U
75-01-4	Vinyl chloride	.50	U
75-00-3	Chloroethane	.75	U
75-09-2	Methylene chloride	3.0	
100-75-8	2-Chloroethyl vinyl ether	1.00	U
75-69-4	Trichlorofluoromethane	.94	U
75-71-8	Dichlorodifluoromethane	.10	U
75-35-4	1,1-Dichloroethene	1.00	U
75-34-3	1,1-Dichloroethane	.59	U
156-60-5	trans-1,2-Dichloroethene	.84	U
67-66-3	Chloroform	.37	U
107-06-2	1,2-Dichloroethane	1.2	
71-55-6	1,1,1-Trichloroethane	.37	U
56-23-5	Carbon tetrachloride	.72	U
75-27-4	Bromodichloromethane	.53	U
78-87-5	1,2-Dichloropropane	.31	U
10061-01-5	cis-1,3-Dichloropropene	.55	U
79-01-6	Trichloroethene	1.3	
10061-02-6	trans-1,3-Dichloropropene	.47	U
79-00-5	1,1,2-Trichloroethane	1.60	U
75-25-2	Bromoform	.22	U
127-18-4	Tetrachloroethene	19	
108-90-7	Chlorobenzene	.09	U
541-73-1	1,3-Dichlorobenzene	.18	U
106-46-7	1,4-Dichlorobenzene	.23	U
95-50-1	1,2-Dichlorobenzene	.15	U
79-34-5	1,1,2,2-Tetrachloroethane	.13	U

SADF: 1.00

Total Hit(s): 4

ORGANICS ANALYSIS DATA SHEET-VOLATILE COMPOUNDS

Lab Name: LRI

Client Sample ID No.: SB#2(85')

Lab Sample ID: T510089-03

Matrix: [soil/water] WATER

Lab File ID: >I2647

Sample wt/vol: 5.0 [g/mL] ML

Run Type: 601VOA

Level: [low/med] LOW

Date Received: 10/05/95

% Moisture: NA

Date Analyzed : 10/11/95

GC Column : DB-VRX ID: 0.45 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/L	Q
74-87-3	Chloromethane	.52	U
74-83-9	Bromomethane	1.00	U
124-48-1	Chlorodibromomethane	.67	U
75-01-4	Vinyl chloride	.50	U
75-00-3	Chloroethane	.75	U
75-09-2	Methylene chloride	3.0	
100-75-8	2-Chloroethyl vinyl ether	1.00	U
75-69-4	Trichlorofluoromethane	.94	U
75-71-8	Dichlorodifluoromethane	.10	U
75-35-4	1,1-Dichloroethene	1.00	U
75-34-3	1,1-Dichloroethane	.59	U
156-60-5	trans-1,2-Dichloroethene	.84	U
67-66-3	Chloroform	.37	U
107-06-2	1,2-Dichloroethane	1.7	
71-55-6	1,1,1-Trichloroethane	.37	U
56-23-5	Carbon tetrachloride	.72	U
75-27-4	Bromodichloromethane	.53	U
78-87-5	1,2-Dichloropropane	.31	U
10061-01-5	cis-1,3-Dichloropropene	.55	U
79-01-6	Trichloroethene	1.3	
10061-02-6	trans-1,3-Dichloropropene	.47	U
79-00-5	1,1,2-Trichloroethane	1.60	U
75-25-2	Bromoform	.22	U
127-18-4	Tetrachloroethene	39	
108-90-7	Chlorobenzene	.09	U
541-73-1	1,3-Dichlorobenzene	.18	U
106-46-7	1,4-Dichlorobenzene	.23	U
95-50-1	1,2-Dichlorobenzene	.15	U
79-34-5	1,1,2,2-Tetrachloroethane	.13	U

CADF: 1.00

Total Hit(s): 4

ORGANICS ANALYSIS DATA SHEET-VOLATILE COMPOUNDS

Lab Name: LRI

Client Sample ID No.: SB#3(30')

Lab Sample ID: T510089-04

Matrix: [soil/water] SOIL

Lab File ID: >I2648

Sample wt/vol: 5.0 [g/mL] G

Run Type: 8010VOA

Level: [low/med] LOW

Date Received: 10/05/95

% Moisture: 3.3

Date Analyzed : 10/11/95

GC Column: DB-VRX ID: 0.45 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/KG	Q
74-87-3	Chloromethane	.52	U
74-83-9	Bromomethane	.52	U
124-48-1	Chlorodibromomethane	.52	U
75-01-4	Vinyl chloride	.52	U
75-00-3	Chloroethane	.52	U
110-75-8	2-Chloroethyl vinyl ether	.52	U
75-09-2	Methylene chloride	12	
75-69-4	Trichlorofluoromethane	.52	U
75-35-4	1,1-Dichloroethene	.52	U
75-34-3	1,1-Dichloroethane	.52	U
156-60-5	trans-1,2-Dichloroethene	.52	U
67-66-3	Chloroform	.52	U
107-06-2	1,2-Dichloroethane	.52	U
71-55-6	1,1,1-Trichloroethane	.52	U
56-23-5	Carbon tetrachloride	.52	U
75-27-4	Bromodichloromethane	.52	U
78-87-5	1,2-Dichloropropane	.52	U
79-01-6	Trichloroethene	.52	U
10061-02-6	trans-1,3-Dichloropropene	.52	U
10061-01-5	cis-1,3-Dichloropropene	.52	U
79-00-5	1,1,2-Trichloroethane	.52	U
75-25-2	Bromoform	.52	U
127-18-4	Tetrachloroethene	.99	
108-90-7	Chlorobenzene	.52	U
541-73-1	1,3-Dichlorobenzene	.52	U
106-46-7	1,4-Dichlorobenzene	.52	U
95-50-1	1,2-Dichlorobenzene	.52	U
79-34-5	1,1,2,2-Tetrachloroethane	.52	U

ADF: 1.03

Total Hit(s): 2

LRI QUOTE #_____

Laboratory Resources INC
CHAIN OF CUSTODY

PAGE 1 OF 1

CUSTOMER INFORMATION

CUSTOMER: Anson Environmental
ADDRESS: 33 Gerard St
Huntington N.Y. 11743
TELEPHONE: 351-3555
FAX: 351-3615

PROJECT INFORMATION

PROJECT: Utility MFG
PROJECT LOCATION: Westbury STATE: N.Y.
PROJECT MANAGER: Jeff Bohlen
IN CASE WE HAVE ANY QUESTIONS WHEN SAMPLES ARRIVE WE SHOULD CALL:
NAME: Jeff Bohlen
TELEPHONE: 516-351-355
FAX: 516-351-3615

BILLING INFORMATION

BILL TO: Dean Hanson
ADDRESS: 33 Gerard St
Huntington N.Y 11743
ATTENTION: Dean
TELEPHONE: 516-351-3555
PO #:

LAB ID CODE	SAMPLE IDENTIFICATION	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE: COMPOSITE	SAMPLE TYPE: GRAB	SAMPLE MATRIX	# OF BOTTLES	ANALYSIS: 601	PRESERVATIVES: H_2SO_4	HCL	HNO_3	NAOH	NON-E
	SB#2(60')	10/5/95			✓	Water	3	✓		✓			
	SB#2(75')	10/5/95			✓	water	2	✓		✓			
	SB#2(85')	10/5/95			✓	Water	3	✓		✓			
	SB#3(30')	10/5/95			✓	Soil	1	✓					✓

TURNAROUND (INDICATE IN CALENDAR DAYS): 7 FAX _____ HARD COPY _____ DELIV. PKG.
NAME OF LAB PERSONNEL CONFIRMING: Dan Glenn
DELIVERABLES / (CIRCLE ONE): DATA DATA/QC RED/DELIV NJ/CLP I NJ/CLP II NJ/REGL NY/ASP CLP OTHER_____

SAMPLER / AFFILIATION:	Jeff Bohlen	DATE: 10/5/95
RECEIVED / AFFILIATION:	LRI	TIME: 14:25
RELINQUISHED / AFFILIATION:		DATE:
RECEIVED / AFFILIATION:		TIME:
RELINQUISHED / AFFILIATION:		DATE:
RECEIVED / AFFILIATION:		TIME:

☐ RETURN TO CLIENT FOR DISPOSAL ☐ LAB DISPOSAL
KNOWN HAZARD (FLAMMABLE, EXPLOSIVE, TOXIC)
☐ YES ☐ NO (IF YES EXPLAIN UNDER COMMENTS)
LAB USE CONDITIONS OF BOTTLES AND COOLER AT RECEIPT:
☐ COMPLIANT ☐ NOT COMPLIANT (IF NOT EXPLAIN UNDER COMMENTS)
COMMENTS_____

10/5/95

SEE REVERSE SIDE FOR TERMS AND CONDITIONS