

VANADIUM CORP.
SITE #932001
NYPA SAMPLE DATA
GROUNDWATER AND SOIL/WASTE

Upstate Laboratories inc.

Shipping: 6034 Corporate Dr. • E. Syracuse, NY 13057-1017 • (315) 437-0255 • Fax (315) 437-1209

Mailing: Box 289 • Syracuse, NY 13206

Albany (518) 459-3134

Binghamton (607) 724-0478

Buffalo (716) 649-2533

Rochester (716) 436-9070

New Jersey (201) 703-1324

April 14, 1997

Mr. Michael Hinton
NYSDEC-Region 9
270 Michigan Ave.
Buffalo, NY 14203-2999

RECEIVED

APR 17 1997

NYSDEC-REG. 9
FOIL
X REL UNREL

Re: Analysis Report #17196082 - Vanadium-SKW

Dear Mr. Hinton:

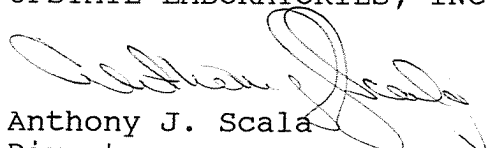
Per the request of John Malinchock, New York Power Authority, please find enclosed the copy of Volume 1 for the above mentioned ASP Package.

Should you have any questions, please feel free to give us a call.

Thank you for your time.

Sincerely,

UPSTATE LABORATORIES, INC.


Anthony J. Scala
Director

AJS/lw

Enclosure: ASP Package Vol. 1

cc/enc: N. Scala, ULI
file

J. Malinchock, New York Power Authority (copy letter)

Disclaimer: The test results and procedures utilized, and laboratory interpretations of data obtained by ULI as contained in this report are believed by ULI to be accurate and reliable for sample(s) tested. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of ULI for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages.

RECEIVED

APR 17 1997

DRAFT

NYSDEC-REG.9

FOIL
REL UNREL

Sample Data Summary Package

New York Power Authority

Project: Vanadium - SKW

Volume 1 of 5

Samples Collected:

6/18-19/96

Sample Delivery Groups:

NYPA1, NYPA2

Prepared for:

New York Power Authority
5777 Lewiston Road
Lewiston, New York 14305

Prepared by:

Upstate Laboratories, Inc.
6034 Corporate Drive
East Syracuse, New York 13057

Lab Code 10170

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

B-212

Narrative

1.0 Summary

This report presents the quality control results for ten samples collected from New York Power Authority, Lewiston, New York. The samples were analyzed for parameters listed in section 3.0 below.

This report is divided into two packages. The Sample Data Summary Package (Volume 1) presents a summary of the test results and quality control data. This abbreviated format is useful to engineers and environmental scientists. The Sample Data Package (Volumes 2-5) is a comprehensive report containing instrument raw data and field raw data. It is formatted for validation by an independent third party.

2.0 Chain of Custody

The samples were collected by Upstate laboratories, Inc., on June 18-19, 1996, and hand-delivered to Upstate Laboratories, Inc., Syracuse, New York. The Chain of Custody documentation is copied in Volumes 1 & 2.

3.0 Methodology

The analyses were performed using test methods developed by the USEPA and reorganized by the NYSDEC in the Analytical Services Protocol (ASP). The specific method numbers are:

<u>Parameter</u>	<u>Method</u>	<u>Parameter</u>	<u>Method</u>
Hexavalent Chromium	9176	TCL Semi-Volatiles	8270
Reactivity:		TCL Volatiles	8240
Cyanide, Total	9010A	TCLP Metals:	
Sulfide	9030A	Chromium	6010
Corrosivity	9040A, 9045A		
Total Metals:			
Aluminum	6010		
Antimony	6010		
Arsenic	7060		
Barium	6010		
Beryllium	6010		
Cadmium	6010		
Calcium	6010		
Chromium	6010		
Cobalt	6010		
Copper	6010		
Iron	6010		
Lead	7421		
Magnesium	6010		
Manganese	6010		
Mercury	7470		
Nickel	6010		
Potassium	7610		
Selenium	6010		
Silver	7761		
Sodium	7770		
Thallium	7841		
Vanadium	6010		
Zinc	6010		

"Analytical Services Protocol", New York State Department of Environmental Protection, 12/93 revision

4.0 Quality Control

Quality control data includes method blanks, reference samples, surrogate recoveries, matrix spikes, matrix spike duplicates and duplicates. For wet chemistry, the association of QC data with sample data is made through the use of the "File No." found on both the final report pages and the QC summary pages.

5.0 Internal Validation

The following observations are offered:

Holding Times

All holding time criteria were satisfied.

Wet Chemical Data

Calibration : All criteria were satisfied.

Method Blanks : All criteria were satisfied.

Reference Samples : All criteria were satisfied.

Matrix Spike : All criteria were satisfied.

Duplicates : All criteria were satisfied.

Note: Total cyanide was performed to determine reactive cyanide.

Trace Metals

Calibration : All criteria were satisfied.

Method Blanks : All criteria were satisfied.

Reference Samples : All criteria were satisfied.

Matrix Spike : Spiked sample recovery were not in control limits for: antimony, lead, silver, thallium, and zinc for sample MW-1. TCLP chromium spike was outside control limits for B-2 (1-18).
: Thallium post-spike was outside control limits.

Duplicates : The duplicate values for lead in sample MW-1 exceeded criteria.

Note: Calcium, chromium, iron, and magnesium on all sample form Is are flagged withan "E" as the sample matrix interfered with anlaysis.

Volatiles by GC/MS

Calibration : All criteria were satisfied.

Method Blanks : Acetone was detected above the PQL in Blank VBLK01.

Reference Samples : All criteria were satisfied.

MS/MSD : All criteria were satisfied.

Surrogates : All criteria were satisfied.

Note : Acetone, methylene chloride, and 2-butanone were detected in the trip blanks.

Semi - Volatiles by GC/MS

Calibration : All criteria were satisfied.

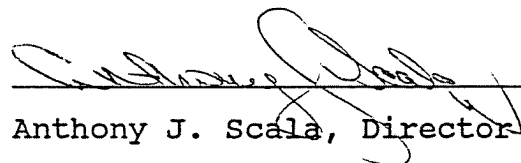
Method Blanks : Di-n-butylphthalate was detected below the PQL in Blank SBLK01.

Reference Samples : All criteria were satisfied.

MS/MSD : The MS/MSD of sample B-3 (1-12) yielded low % recoveries and high R%Ds for the phenolic compounds. The lime/alkaline soil matrix appears to have reduced the recoveries.

Surrogates : Low % surrogate recoveries for the phenolic compounds. The lime/alkaline soil matrix appears to have reduced the recoveries.

Approved


Anthony J. Scala, Director

Sample Data

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Upstate Labs Contract: NYPA

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17196082

Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6103.D

Level: (low/med) LOW Date Received: 06/19/96

% Moisture: not dec. 26 Date Analyzed: 06/25/96

GC Column: RTX-502 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/KG Q

74-87-3	chloromethane	14	U
75-01-4	vinyl chloride	14	U
74-83-9	bromomethane	14	U
75-00-3	chloroethane	14	U
67-64-1	acetone	15	B
75-35-4	1,1-dichloroethene	14	U
75-15-0	carbon disulfide	14	U
75-09-2	methylene chloride	14	U
156-60-5	trans-1,2-dichloroethene	14	U
75-34-33	1,1-dichloroethane	14	U
156-59-2	cis-1,2-dichloroethene	14	U
	1,2-dichloroethene (total)	14	U
78-93-2	2-butanone	14	U
67-66-3	chloroform	14	U
107-06-2	1,2-dichloroethane	14	U
71-55-6	1,1,1-trichloroethane	14	U
56-23-5	carbon tetrachloride	14	U
71-43-2	benzene	14	U
79-01-6	trichloroethene	14	U
78-87-5	1,2-dichloropropane	14	U
75-27-4	bromodichloromethane	14	U
10061-1-5	cis-1,3-dichloropropene	14	U
10061-2-6	trans-1,3-dichloropropene	14	U
79-00-5	1,1,2-trichloroethane	14	U
124-48-1	dibromochloromethane	14	U
75-25-2	bromoform	14	U
108-10-1	4-methyl-2-pentanone	14	U
108-88-3	toluene	14	U
591-78-6	2-hexanone	14	U
127-18-4	tetrachloroethene	14	U
108-90-7	chlorobenzene	14	U
100-41-4	ethylbenzene	14	U
	m,p-xylene	14	U
95-47-6	o-xylene	14	U
	xylene (total)	14	U
100-42-5	styrene	14	U
79-34-5	1,1,2,2-tetrachloroethane	14	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-1

Lab Name: Upstate Labs Contract: NYPA
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) SOIL Lab Sample ID: 17196082
Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6103.D
Level: (low/med) LOW Date Received: 06/19/96
% Moisture: not dec. 26 Date Analyzed: 06/25/96
GC Column: RTX-502 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 KJF (uL) Soil Aliquot Volume: 1 KJF (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-1 4-8

Lab Name: Upstate Labs Contract: NYPA

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17196084

Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6104.D

Level: (low/med) LOW Date Received: 06/19/96

% Moisture: not dec. 17 Date Analyzed: 06/25/96

GC Column: RTX-502 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/KG	Q
74-87-3	chloromethane	12	U	
75-01-4	vinyl chloride	12	U	
74-83-9	bromomethane	12	U	
75-00-3	chloroethane	12	U	
67-64-1	acetone	35	B	
75-35-4	1,1-dichloroethene	12	U	
75-15-0	carbon disulfide	12	U	
75-09-2	methylene chloride	12	U	
156-60-5	trans-1,2-dichloroethene	12	U	
75-34-33	1,1-dichloroethane	12	U	
156-59-2	cis-1,2-dichloroethene	12	U	
	1,2-dichloroethene (total)	12	U	
78-93-2	2-butanone	12	U	
67-66-3	chloroform	12	U	
107-06-2	1,2-dichloroethane	12	U	
71-55-6	1,1,1-trichloroethane	2	J	
56-23-5	carbon tetrachloride	12	U	
71-43-2	benzene	12	U	
79-01-6	trichloroethene	12	U	
78-87-5	1,2-dichloropropane	12	U	
75-27-4	bromodichloromethane	12	U	
10061-1-5	cis-1,3-dichloropropene	12	U	
10061-2-6	trans-1,3-dichloropropene	12	U	
79-00-5	1,1,2-trichloroethane	12	U	
124-48-1	dibromochloromethane	12	U	
75-25-2	bromoform	12	U	
108-10-1	4-methyl-2-pentanone	12	U	
108-88-3	toluene	12	U	
591-78-6	2-hexanone	12	U	
127-18-4	tetrachloroethene	12	U	
108-90-7	chlorobenzene	12	U	
100-41-4	ethylbenzene	12	U	
	m,p-xylene	12	U	
95-47-6	o-xylene	12	U	
	xylene (total)	12	U	
100-42-5	styrene	12	U	
79-34-5	1,1,2,2-tetrachloroethane	12	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-1 4-8

Lab Name: Upstate Labs Contract: NYPA
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) SOIL Lab Sample ID: 17196084
Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6104.D
Level: (low/med) LOW Date Received: 06/19/96
% Moisture: not dec. 17 Date Analyzed: 06/25/96
GC Column: RTX-502 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 KDP (uL) Soil Aliquot Volume: 1 KDP (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-1 0-4

Lab Name: _____ Contract: NYPA

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17196085

Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6105.D

Level: (low/med) LOW Date Received: 06/19/96

% Moisture: not dec. 29 Date Analyzed: 06/25/96

GC Column: RTX-502 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/KG	Q
74-87-3	chloromethane		14	U
75-01-4	vinyl chloride		14	U
74-83-9	bromomethane		14	U
75-00-3	chloroethane		14	U
67-64-1	acetone		31	B
75-35-4	1,1-dichloroethene		14	U
75-15-0	carbon disulfide		14	U
75-09-2	methylene chloride		6	J
156-60-5	trans-1,2-dichloroethene		14	U
75-34-33	1,1-dichloroethane		14	U
156-59-2	cis-1,2-dichloroethene		14	U
	1,2-dichloroethene (total)		14	U
78-93-2	2-butanone		14	U
67-66-3	chloroform		14	U
107-06-2	1,2-dichloroethane		14	U
71-55-6	1,1,1-trichloroethane		7	J
56-23-5	carbon tetrachloride		14	U
71-43-2	benzene		14	U
79-01-6	trichloroethene		14	U
78-87-5	1,2-dichloropropane		14	U
75-27-4	bromodichloromethane		14	U
10061-1-5	cis-1,3-dichloropropene		14	U
10061-2-6	trans-1,3-dichloropropene		14	U
79-00-5	1,1,2-trichloroethane		14	U
124-48-1	dibromochloromethane		14	U
75-25-2	bromoform		14	U
108-10-1	4-methyl-2-pentanone		14	U
108-88-3	toluene		2	J
591-78-6	2-hexanone		14	U
127-18-4	tetrachloroethene		14	U
108-90-7	chlorobenzene		14	U
100-41-4	ethylbenzene		14	U
	m,p-xylene		14	U
95-47-6	o-xylene		14	U
	xylene (total)		14	U
100-42-5	styrene		14	U
79-34-5	1,1,2,2-tetrachloroethane		14	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-1 0-4

Lab Name: _____ Contract: NYPA

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17196085

Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6105.D

Level: (low/med) LOW Date Received: 06/19/96

% Moisture: not dec. 29 Date Analyzed: 06/25/96

GC Column: RTX-502 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 4.57 (uL) Soil Aliquot Volume: 4.57 (uL)

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	28.82	8	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-1 10-14

Lab Name: Upstate Labs Contract: NYPA

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296044

Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6119.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: not dec. 29 Date Analyzed: 06/26/96

GC Column: RTX-502 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/KG	Q
74-87-3	chloromethane	14	U	
75-01-4	vinyl chloride	14	U	
74-83-9	bromomethane	14	U	
75-00-3	chloroethane	14	U	
67-64-1	acetone	54		
75-35-4	1,1-dichloroethene	14	U	
75-15-0	carbon disulfide	14	U	
75-09-2	methylene chloride	14	U	
156-60-5	trans-1,2-dichloroethene	14	U	
75-34-33	1,1-dichloroethane	14	U	
156-59-2	cis-1,2-dichloroethene	14	U	
	1,2-dichloroethene (total)	14	U	
78-93-2	2-butanone	75		
67-66-3	chloroform	14	U	
107-06-2	1,2-dichloroethane	14	U	
71-55-6	1,1,1-trichloroethane	14	U	
56-23-5	carbon tetrachloride	14	U	
71-43-2	benzene	14	U	
79-01-6	trichloroethene	14	U	
78-87-5	1,2-dichloropropane	14	U	
75-27-4	bromodichloromethane	14	U	
10061-1-5	cis-1,3-dichloropropene	14	U	
10061-2-6	trans-1,3-dichloropropene	14	U	
79-00-5	1,1,2-trichloroethane	14	U	
124-48-1	dibromochloromethane	14	U	
75-25-2	bromoform	14	U	
108-10-1	4-methyl-2-pentanone	14	U	
108-88-3	toluene	14	U	
591-78-6	2-hexanone	14	U	
127-18-4	tetrachloroethene	14	U	
108-90-7	chlorobenzene	14	U	
100-41-4	ethylbenzene	14	U	
	m,p-xylene	14	U	
95-47-6	o-xylene	14	U	
	xylene (total)	14	U	
100-42-5	styrene	14	U	
79-34-5	1,1,2,2-tetrachloroethane	14	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-1 10-14

Lab Name: Upstate Labs Contract: NYPA
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) SOIL Lab Sample ID: 17296044
Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6119.D
Level: (low/med) LOW Date Received: 06/20/96
% Moisture: not dec. 29 Date Analyzed: 06/26/96
GC Column: RTX-502 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1.57 (uL) Soil Aliquot Volume: 1.57 (uL)

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	24.02	53	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-1 14-18

Lab Name: Upstate Labs Contract: NYPA

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296045

Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6121.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: not dec. 15 Date Analyzed: 06/26/96

GC Column: RTX-502 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/KG	Q
74-87-3	chloromethane	12	U	
75-01-4	vinyl chloride	12	U	
74-83-9	bromomethane	12	U	
75-00-3	chloroethane	12	U	
67-64-1	acetone	49		
75-35-4	1,1-dichloroethene	12	U	
75-15-0	carbon disulfide	12	U	
75-09-2	methylene chloride	12	U	
156-60-5	trans-1,2-dichloroethene	12	U	
75-34-33	1,1-dichloroethane	12	U	
156-59-2	cis-1,2-dichloroethene	12	U	
	1,2-dichloroethene (total)	12	U	
78-93-2	2-butanone	21		
67-66-3	chloroform	12	U	
107-06-2	1,2-dichloroethane	12	U	
71-55-6	1,1,1-trichloroethane	12	U	
56-23-5	carbon tetrachloride	12	U	
71-43-2	benzene	12	U	
79-01-6	trichloroethene	12	U	
78-87-5	1,2-dichloropropane	12	U	
75-27-4	bromodichloromethane	12	U	
10061-1-5	cis-1,3-dichloropropene	12	U	
10061-2-6	trans-1,3-dichloropropene	12	U	
79-00-5	1,1,2-trichloroethane	12	U	
124-48-1	dibromochloromethane	12	U	
75-25-2	bromoform	12	U	
108-10-1	4-methyl-2-pentanone	12	U	
108-88-3	toluene	12	U	
591-78-6	2-hexanone	12	U	
127-18-4	tetrachloroethene	12	U	
108-90-7	chlorobenzene	12	U	
100-41-4	ethylbenzene	12	U	
	m,p-xylene	12	U	
95-47-6	o-xylene	12	U	
	xylene (total)	12	U	
100-42-5	styrene	12	U	
79-34-5	1,1,2,2-tetrachloroethane	12	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-1 14-18

Lab Name: Upstate Labs Contract: NYPA
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) SOIL Lab Sample ID: 17296045
Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6121.D
Level: (low/med) LOW Date Received: 06/20/96
% Moisture: not dec. 15 Date Analyzed: 06/26/96
GC Column: RTX-502 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 KOP (uL) Soil Aliquot Volume: 1 KOP (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-2 1-18

Lab Name: Upstate Labs Contract: NYPA

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296046

Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6122.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: not dec. 27 Date Analyzed: 06/26/96

GC Column: RTX-502 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/KG	Q
74-87-3	chloromethane	14	U	
75-01-4	vinyl chloride	14	U	
74-83-9	bromomethane	14	U	
75-00-3	chloroethane	14	U	
67-64-1	acetone	82		
75-35-4	1,1-dichloroethene	14	U	
75-15-0	carbon disulfide	14	U	
75-09-2	methylene chloride	14	U	
156-60-5	trans-1,2-dichloroethene	14	U	
75-34-33	1,1-dichloroethane	14	U	
156-59-2	cis-1,2-dichloroethene	14	U	
	1,2-dichloroethene (total)	14	U	
78-93-2	2-butanone	46		
67-66-3	chloroform	14	U	
107-06-2	1,2-dichloroethane	14	U	
71-55-6	1,1,1-trichloroethane	14	U	
56-23-5	carbon tetrachloride	14	U	
71-43-2	benzene	14	U	
79-01-6	trichloroethene	14	U	
78-87-5	1,2-dichloropropane	14	U	
75-27-4	bromodichloromethane	14	U	
10061-1-5	cis-1,3-dichloropropene	14	U	
10061-2-6	trans-1,3-dichloropropene	14	U	
79-00-5	1,1,2-trichloroethane	14	U	
124-48-1	dibromochloromethane	14	U	
75-25-2	bromoform	14	U	
108-10-1	4-methyl-2-pentanone	14	U	
108-88-3	toluene	14	U	
591-78-6	2-hexanone	14	U	
127-18-4	tetrachloroethene	14	U	
108-90-7	chlorobenzene	14	U	
100-41-4	ethylbenzene	14	U	
	m,p-xylene	14	U	
95-47-6	o-xylene	14	U	
	xylene (total)	14	U	
100-42-5	styrene	14	U	
79-34-5	1,1,2,2-tetrachloroethane	14	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-2 1-18

Lab Name: Upstate Labs Contract: NYPA
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) SOIL Lab Sample ID: 17296046
Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6122.D
Level: (low/med) LOW Date Received: 06/20/96
% Moisture: not dec. 27 Date Analyzed: 06/26/96
GC Column: RTX-502 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 KDP (uL) Soil Aliquot Volume: 1 KDP (uL)

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000104-76-7	1-Hexanol, 2-ethyl-	24.02	71	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-2 18-22

Lab Name: Upstate Labs Contract: NYPA

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296047

Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6109.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: not dec. 16 Date Analyzed: 06/25/96

GC Column: RTX-502 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/KG	Q
74-87-3	chloromethane		12	U
75-01-4	vinyl chloride		12	U
74-83-9	bromomethane		12	U
75-00-3	chloroethane		12	U
67-64-1	acetone		23	B
75-35-4	1,1-dichloroethene		12	U
75-15-0	carbon disulfide		12	U
75-09-2	methylene chloride		12	U
156-60-5	trans-1,2-dichloroethene		12	U
75-34-33	1,1-dichloroethane		12	U
156-59-2	cis-1,2-dichloroethene		12	U
	1,2-dichloroethene (total)		12	U
78-93-2	2-butanone		12	U
67-66-3	chloroform		12	U
107-06-2	1,2-dichloroethane		12	U
71-55-6	1,1,1-trichloroethane		12	U
56-23-5	carbon tetrachloride		12	U
71-43-2	benzene		12	U
79-01-6	trichloroethene		12	U
78-87-5	1,2-dichloropropane		12	U
75-27-4	bromodichloromethane		12	U
10061-1-5	cis-1,3-dichloropropene		12	U
10061-2-6	trans-1,3-dichloropropene		12	U
79-00-5	1,1,2-trichloroethane		12	U
124-48-1	dibromochloromethane		12	U
75-25-2	bromoform		12	U
108-10-1	4-methyl-2-pentanone		12	U
108-88-3	toluene		12	U
591-78-6	2-hexanone		12	U
127-18-4	tetrachloroethene		12	U
108-90-7	chlorobenzene		12	U
100-41-4	ethylbenzene		12	U
	m,p-xylene		12	U
95-47-6	o-xylene		12	U
	xylene (total)		12	U
100-42-5	styrene		12	U
79-34-5	1,1,2,2-tetrachloroethane		12	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-2 18-22

Lab Name: Upstate Labs Contract: NYPA
 Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
 Matrix: (soil/water) SOIL Lab Sample ID: 17296047
 Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6109.D
 Level: (low/med) LOW Date Received: 06/20/96
 % Moisture: not dec. 16 Date Analyzed: 06/25/96
 GC Column: RTX-502 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 1 KJP (uL) Soil Aliquot Volume: 1 KJP (uL)

CONCENTRATION UNITS:

Number TICs found: 0

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-3 1-12

Lab Name: Upstate Labs Contract: NYPA

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296048

Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6116.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: not dec. 40 Date Analyzed: 06/26/96

GC Column: RTX-502 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/KG	Q
74-87-3	chloromethane	17	U	
75-01-4	vinyl chloride	17	U	
74-83-9	bromomethane	17	U	
75-00-3	chloroethane	17	U	
67-64-1	acetone	150		
75-35-4	1,1-dichloroethene	17	U	
75-15-0	carbon disulfide	17	U	
75-09-2	methylene chloride	17	U	
156-60-5	trans-1,2-dichloroethene	17	U	
75-34-33	1,1-dichloroethane	17	U	
156-59-2	cis-1,2-dichloroethene	17	U	
	1,2-dichloroethene (total)	17	U	
78-93-2	2-butanone	18		
67-66-3	chloroform	17	U	
107-06-2	1,2-dichloroethane	17	U	
71-55-6	1,1,1-trichloroethane	17	U	
56-23-5	carbon tetrachloride	17	U	
71-43-2	benzene	17	U	
79-01-6	trichloroethene	17	U	
78-87-5	1,2-dichloropropane	17	U	
75-27-4	bromodichloromethane	17	U	
10061-1-5	cis-1,3-dichloropropene	17	U	
10061-2-6	trans-1,3-dichloropropene	17	U	
79-00-5	1,1,2-trichloroethane	17	U	
124-48-1	dibromochloromethane	17	U	
75-25-2	bromoform	17	U	
108-10-1	4-methyl-2-pentanone	17	U	
108-88-3	toluene	17	U	
591-78-6	2-hexanone	17	U	
127-18-4	tetrachloroethene	17	U	
108-90-7	chlorobenzene	17	U	
100-41-4	ethylbenzene	17	U	
	m,p-xylene	17	U	
95-47-6	o-xylene	17	U	
	xylene (total)	17	U	
100-42-5	styrene	17	U	
79-34-5	1,1,2,2-tetrachloroethane	17	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-3 1-12

Lab Name: Upstate Labs Contract: NYPA

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296048

Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6116.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: not dec. 40 Date Analyzed: 06/26/96

GC Column: RTX-502 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 4 KJP (uL) Soil Aliquot Volume: 4 KJP (uL)

CONCENTRATION UNITS:

Number TICs found: 2

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	24.02	56	J
2.	unknown hydrocarbon	30.58	9	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-3 12-16

Lab Name: Upstate Labs Contract: NYPA

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296049

Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6110.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: not dec. 37 Date Analyzed: 06/25/96

GC Column: RTX-502 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/KG Q

74-87-3	chloromethane	16	U
75-01-4	vinyl chloride	16	U
74-83-9	bromomethane	16	U
75-00-3	chloroethane	16	U
67-64-1	acetone	69	B
75-35-4	1,1-dichloroethene	16	U
75-15-0	carbon disulfide	16	U
75-09-2	methylene chloride	16	U
156-60-5	trans-1,2-dichloroethene	16	U
75-34-33	1,1-dichloroethane	16	U
156-59-2	cis-1,2-dichloroethene	16	U
	1,2-dichloroethene (total)	16	U
78-93-2	2-butanone	16	U
67-66-3	chloroform	16	U
107-06-2	1,2-dichloroethane	16	U
71-55-6	1,1,1-trichloroethane	16	U
56-23-5	carbon tetrachloride	16	U
71-43-2	benzene	16	U
79-01-6	trichloroethene	16	U
78-87-5	1,2-dichloropropane	16	U
75-27-4	bromodichloromethane	16	U
10061-1-5	cis-1,3-dichloropropene	16	U
10061-2-6	trans-1,3-dichloropropene	16	U
79-00-5	1,1,2-trichloroethane	16	U
124-48-1	dibromochloromethane	16	U
75-25-2	bromoform	16	U
108-10-1	4-methyl-2-pentanone	16	U
108-88-3	toluene	16	U
591-78-6	2-hexanone	16	U
127-18-4	tetrachloroethene	16	U
108-90-7	chlorobenzene	16	U
100-41-4	ethylbenzene	16	U
	m,p-xylene	16	U
95-47-6	o-xylene	16	U
	xylene (total)	16	U
100-42-5	styrene	16	U
79-34-5	1,1,2,2-tetrachloroethane	16	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-3 12-16

Lab Name: Upstate Labs Contract: NYPA
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) SOIL Lab Sample ID: 17296049
Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6110.D
Level: (low/med) LOW Date Received: 06/20/96
% Moisture: not dec. 37 Date Analyzed: 06/25/96
GC Column: RTX-502 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1.00 (uL) Soil Aliquot Volume: 1.00 (uL)

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	24.04	16	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-3 17-20

Lab Name: Upstate Labs Contract: NYPA

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296050

Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6124.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: not dec. 21 Date Analyzed: 06/26/96

GC Column: RTX-502 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/KG	Q
74-87-3	chloromethane	13		U
75-01-4	vinyl chloride	13		U
74-83-9	bromomethane	13		U
75-00-3	chloroethane	13		U
67-64-1	acetone	44		
75-35-4	1,1-dichloroethene	13		U
75-15-0	carbon disulfide	13		U
75-09-2	methylene chloride	13		U
156-60-5	trans-1,2-dichloroethene	13		U
75-34-33	1,1-dichloroethane	13		U
156-59-2	cis-1,2-dichloroethene	13		U
	1,2-dichloroethene (total)	13		U
78-93-2	2-butanone	36		
67-66-3	chloroform	13		U
107-06-2	1,2-dichloroethane	13		U
71-55-6	1,1,1-trichloroethane	13		U
56-23-5	carbon tetrachloride	13		U
71-43-2	benzene	13		U
79-01-6	trichloroethene	13		U
78-87-5	1,2-dichloropropane	13		U
75-27-4	bromodichloromethane	13		U
10061-1-5	cis-1,3-dichloropropene	13		U
10061-2-6	trans-1,3-dichloropropene	13		U
79-00-5	1,1,2-trichloroethane	13		U
124-48-1	dibromochloromethane	13		U
75-25-2	bromoform	13		U
108-10-1	4-methyl-2-pentanone	13		U
108-88-3	toluene	13		U
591-78-6	2-hexanone	13		U
127-18-4	tetrachloroethene	13		U
108-90-7	chlorobenzene	13		U
100-41-4	ethylbenzene	13		U
	m,p-xylene	13		U
95-47-6	o-xylene	13		U
	xylene (total)	13		U
100-42-5	styrene	13		U
79-34-5	1,1,2,2-tetrachloroethane	13		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-3 17-20

Lab Name: Upstate Labs Contract: NYPA
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) SOIL Lab Sample ID: 17296050
Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6124.D
Level: (low/med) LOW Date Received: 06/20/96
% Moisture: not dec. 21 Date Analyzed: 06/26/96
GC Column: RTX-502 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: 1 KOP (uL) Soil Aliquot Volume: 1 KOP (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRBLK01

Lab Name: Upstate Labs Contract: NYPA

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) WATER Lab Sample ID: 17196083

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V6130.D

Level: (low/med) LOW Date Received: 06/19/96

% Moisture: not dec. _____ Date Analyzed: 06/27/96

GC Column: RTX-502 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	
75-01-4	vinyl chloride	10	U	
74-83-9	bromomethane	10	U	
75-00-3	chloroethane	10	U	
67-64-1	acetone	12		
75-35-4	1,1-dichloroethene	10	U	
75-15-0	carbon disulfide	10	U	
75-09-2	methylene chloride	6	J	
156-60-5	trans-1,2-dichloroethene	10	U	
75-34-33	1,1-dichloroethane	10	U	
156-59-2	cis-1,2-dichloroethene	10	U	
	1,2-dichloroethene (total)	10	U	
78-93-2	2-butanone	42		
67-66-3	chloroform	10	U	
107-06-2	1,2-dichloroethane	10	U	
71-55-6	1,1,1-trichloroethane	10	U	
56-23-5	carbon tetrachloride	10	U	
71-43-2	benzene	10	U	
79-01-6	trichloroethene	10	U	
78-87-5	1,2-dichloropropane	10	U	
75-27-4	bromodichloromethane	10	U	
10061-1-5	cis-1,3-dichloropropene	10	U	
10061-2-6	trans-1,3-dichloropropene	10	U	
79-00-5	1,1,2-trichloroethane	10	U	
124-48-1	dibromochloromethane	10	U	
75-25-2	bromoform	10	U	
108-10-1	4-methyl-2-pentanone	10	U	
108-88-3	toluene	10	U	
591-78-6	2-hexanone	10	U	
127-18-4	tetrachloroethene	10	U	
108-90-7	chlorobenzene	10	U	
100-41-4	ethylbenzene	10	U	
	m,p-xylene	10	U	
95-47-6	o-xylene	10	U	
	xylene (total)	10	U	
100-42-5	styrene	10	U	
79-34-5	1,1,2,2-tetrachloroethane	10	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRBLK01

Lab Name: Upstate Labs Contract: NYPA
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) WATER Lab Sample ID: 17196083
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V6130.D
Level: (low/med) LOW Date Received: 06/19/96
% Moisture: not dec. _____ Date Analyzed: 06/27/96
GC Column: RTX-502 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	column bleed	17.14	10	J
2.	column bleed	21.76	18	J
3.	column bleed	25.01	11	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRBLK02

Lab Name: Upstate Labs Contract: NYPA

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) WATER Lab Sample ID: 17296051

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V6131.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: not dec. _____ Date Analyzed: 06/27/96

GC Column: RTX-502 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
75-01-4	vinyl chloride		10	U
74-83-9	bromomethane		10	U
75-00-3	chloroethane		10	U
67-64-1	acetone		12	
75-35-4	1,1-dichloroethene		10	U
75-15-0	carbon disulfide		10	U
75-09-2	methylene chloride		6	J
156-60-5	trans-1,2-dichloroethene		10	U
75-34-33	1,1-dichloroethane		10	U
156-59-2	cis-1,2-dichloroethene		10	U
	1,2-dichloroethene (total)		10	U
78-93-2	2-butanone		31	
67-66-3	chloroform		10	U
107-06-2	1,2-dichloroethane		10	U
71-55-6	1,1,1-trichloroethane		10	U
56-23-5	carbon tetrachloride		10	U
71-43-2	benzene		10	U
79-01-6	trichloroethene		10	U
78-87-5	1,2-dichloropropane		10	U
75-27-4	bromodichloromethane		10	U
10061-1-5	cis-1,3-dichloropropene		10	U
10061-2-6	trans-1,3-dichloropropene		10	U
79-00-5	1,1,2-trichloroethane		10	U
124-48-1	dibromochloromethane		10	U
75-25-2	bromoform		10	U
108-10-1	4-methyl-2-pentanone		10	U
108-88-3	toluene		10	U
591-78-6	2-hexanone		10	U
127-18-4	tetrachloroethene		10	U
108-90-7	chlorobenzene		10	U
100-41-4	ethylbenzene		10	U
	m,p-xylene		10	U
95-47-6	o-xylene		10	U
	xylene (total)		10	U
100-42-5	styrene		10	U
79-34-5	1,1,2,2-tetrachloroethane		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRBLK02

Lab Name: Upstate Labs Contract: NYPA
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) WATER Lab Sample ID: 17296051
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V6131.D
Level: (low/med) LOW Date Received: 06/20/96
% Moisture: not dec. _____ Date Analyzed: 06/27/96
GC Column: RTX-502 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	column bleed	21.76	10	J
2.	column bleed	25.00	60	J
3.	column bleed	28.27	13	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17196082

Sample wt/vol: 30 (g/ml) G Lab File ID: S6031.D

Level: (low/med) LOW Date Received: 06/19/96

% Moisture: 26 decanted: (Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
95-48-7	2-Methylphenol	450	U
67-72-1	Hexachloroethane	450	U
621-64-7	N-Nitroso-di-n-propylamine	450	U
106-44-5	4-Methylphenol	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
208-96-8	Acenaphthylene	450	U
131-11-3	Dimethylphthalate	450	U
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	450	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	450	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17196082

Sample wt/vol: 30 (g/ml) G Lab File ID: S6031.D

Level: (low/med) LOW Date Received: 06/19/96

% Moisture: 26 decanted:(Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

86-73-7	Fluorene	450	U
84-66-2	Diethylphthalate	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	450	U
120-12-7	Anthracene	450	U
86-74-8	Carbazole	450	U
84-74-2	Di-n-butylphthalate	100	JB
206-44-0	Fluoranthene	450	U
129-00-0	Pyrene	450	U
85-68-7	Butylbenzylphthalate	450	U
56-55-3	Benzo(a)anthracene	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
218-01-9	Chrysene	450	U
117-81-7	bis(2-Ethylhexyl)phthalate	50	J
117-81-7	Di-n-octylphthalate	450	U
205-99-2	Benzo(b)fluoranthene	450	U
207-08-9	Benzo(k)fluoranthene	450	U
50-32-8	Benzo(a)pyrene	450	U
193-39-5	Indeno(1,2,3-cd)pyrene	450	U
53-70-3	Dibenz(a,h)anthracene	450	U
191-24-2	Benzo(g,h,i)perylene	450	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-1

Lab Name: UPSTATE LABS INC. Contract: _____
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) SOIL Lab Sample ID: 17196082
Sample wt/vol: 30 (g/ml) G Lab File ID: S6031.D
Level: (low/med) LOW Date Received: 06/19/96
% Moisture: 26 decanted: (Y/N) N Date Analyzed: 06/27/96
Concentrated Extract Volume: 500 (uL) Dilution Factor: 1.0
Injection Volume: 2.0 (uL) Soil Aliquot Volume: 2 (uL)
GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
------------	---------------	----	------------	---

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-1 4'=>8'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYP01

Matrix: (soil/water) SOIL Lab Sample ID: 17196084

Sample wt/vol: 30 (g/ml) G Lab File ID: S6032.D

Level: (low/med) LOW Date Received: 06/19/96

% Moisture: 17 decanted:(Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-95--2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
95-48-7	2-Methylphenol	400	U
67-72-1	Hexachloroethane	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
106-44-5	4-Methylphenol	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
208-96-8	Acenaphthylene	400	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U
51-28-5	2,4-Dinitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
100-02-7	4-Nitrophenol	1000	U
121-14-2	2,4-Dinitrotoluene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-1 4'=>8'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17196084

Sample wt/vol: 30 (g/ml) G Lab File ID: S6032.D

Level: (low/med) LOW Date Received: 06/19/96

% Moisture: 17 decanted:(Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

86-73-7	Fluorene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	54	JB
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
56-55-3	Benzo(a)anthracene	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-81-7	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenz(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-1 4'=>8'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17196084

Sample wt/vol: 30 (g/ml) G Lab File ID: S6032.D

Level: (low/med) LOW Date Received: 06/19/96

% Moisture: 17 decanted: (Y/N) N Date Analyzed: 06/27/96

Concentrated Extract Volume: 500 (uL) Dilution Factor: 1.0

Injection Volume: 2.0 (uL) Soil Aliquot Volume: 2 (uL)

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
------------	---------------	----	------------	---

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-1 0'=>4'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17196085

Sample wt/vol: 30 (g/ml) G Lab File ID: S6033.D

Level: (low/med) LOW Date Received: 06/19/96

% Moisture: 29 decanted:(Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl)ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
95-50-1	1,2-Dichlorobenzene	470	U
108-60-1	2,2'-oxybis(1-Chloropropane)	470	U
95-48-7	2-Methylphenol	470	U
67-72-1	Hexachloroethane	470	U
621-64-7	N-Nitroso-di-n-propylamine	470	U
106-44-5	4-Methylphenol	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	bis(2-Chloroethoxy)methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	Naphthalene	470	U
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-methylphenol	470	U
91-57-6	2-Methylnaphthalene	470	U
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	1200	U
208-96-8	Acenaphthylene	470	U
131-11-3	Dimethylphthalate	470	U
606-20-2	2,6-Dinitrotoluene	470	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	470	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	470	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	470	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-1 0'=>4'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYP A01

Matrix: (soil/water) SOIL Lab Sample ID: 17196085

Sample wt/vol: 30 (g/ml) G Lab File ID: S6033.D

Level: (low/med) LOW Date Received: 06/19/96

% Moisture: 29 decanted:(Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

86-73-7	Fluorene	470	U
84-66-2	Diethylphthalate	470	U
7005-72-3	4-Chlorophenyl-phenylether	470	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenyl-phenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	470	U
120-12-7	Anthracene	470	U
86-74-8	Carbazole	470	U
84-74-2	Di-n-butylphthalate	120	JB
206-44-0	Fluoranthene	470	U
129-00-0	Pyrene	470	U
85-68-7	Butylbenzylphthalate	470	U
56-55-3	Benzo(a)anthracene	470	U
91-94-1	3,3'-Dichlorobenzidine	470	U
218-01-9	Chrysene	470	U
117-81-7	bis(2-Ethylhexyl)phthalate	130	J
117-81-7	Di-n-octylphthalate	470	U
205-99-2	Benzo(b)fluoranthene	470	U
207-08-9	Benzo(k)fluoranthene	470	U
50-32-8	Benzo(a)pyrene	470	U
193-39-5	Indeno(1,2,3-cd)pyrene	470	U
53-70-3	Dibenz(a,h)anthracene	470	U
191-24-2	Benzo(g,h,i)perylene	470	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-1 0'=>4'

Lab Name: UPSTATE LABS INC. Contract: _____
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) SOIL Lab Sample ID: 17196085
Sample wt/vol: 30 (g/ml) G Lab File ID: S6033.D
Level: (low/med) LOW Date Received: 06/19/96
% Moisture: 29 decanted: (Y/N) N Date Analyzed: 06/27/96
Concentrated Extract Volume: 500 (uL) Dilution Factor: 1.0
Injection Volume: 2.0 (uL) Soil Aliquot Volume: 2 (uL)
GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	7.60	100	J
2.	unknown hydrocarbon	13.40	110	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-1A 10'=>14'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296044

Sample wt/vol: 30 (g/ml) G Lab File ID: S6034.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: 29 decanted:(Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-95--2	Phenol	470	U
111-44-4	bis(2-Chloroethyl)ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
95-50-1	1,2-Dichlorobenzene	470	U
108-60-1	2,2'-oxybis(1-Chloropropane)	470	U
95-48-7	2-Methylphenol	470	U
67-72-1	Hexachloroethane	470	U
621-64-7	N-Nitroso-di-n-propylamine	470	U
106-44-5	4-Methylphenol	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	bis(2-Chloroethoxy)methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	Naphthalene	470	U
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-methylphenol	470	U
91-57-6	2-Methylnaphthalene	470	U
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	1200	U
208-96-8	Acenaphthylene	470	U
131-11-3	Dimethylphthalate	470	U
606-20-2	2,6-Dinitrotoluene	470	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	470	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	470	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	470	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-1A 10'=>14'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296044

Sample wt/vol: 30 (g/ml) G Lab File ID: S6034.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: 29 decanted:(Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

86-73-7	Fluorene	470	U
84-66-2	Diethylphthalate	470	U
7005-72-3	4-Chlorophenyl-phenylether	470	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenyl-phenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	470	U
120-12-7	Anthracene	470	U
86-74-8	Carbazole	470	U
84-74-2	Di-n-butylphthalate	50	JB
206-44-0	Fluoranthene	470	U
129-00-0	Pyrene	470	U
85-68-7	Butylbenzylphthalate	470	U
56-55-3	Benzo(a)anthracene	470	U
91-94-1	3,3'-Dichlorobenzidine	470	U
218-01-9	Chrysene	470	U
117-81-7	bis(2-Ethylhexyl)phthalate	240	J
117-81-7	Di-n-octylphthalate	470	U
205-99-2	Benzo(b)fluoranthene	470	U
207-08-9	Benzo(k)fluoranthene	470	U
50-32-8	Benzo(a)pyrene	470	U
193-39-5	Indeno(1,2,3-cd)pyrene	470	U
53-70-3	Dibenz(a,h)anthracene	470	U
191-24-2	Benzo(g,h,i)perylene	470	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-1A 10'=>14'

Lab Name: UPSTATE LABS INC. Contract: _____
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) SOIL Lab Sample ID: 17296044
Sample wt/vol: 30 (g/ml) G Lab File ID: S6034.D
Level: (low/med) LOW Date Received: 06/20/96
% Moisture: 29 decanted: (Y/N) N Date Analyzed: 06/27/96
Concentrated Extract Volume: 500 (uL) Dilution Factor: 1.0
Injection Volume: 2.0 (uL) Soil Aliquot Volume: 2 (uL)
GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
------------	---------------	----	------------	---

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-1A 14'=>18'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296045

Sample wt/vol: 30 (g/ml) G Lab File ID: S6035.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: 15 decanted:(Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-95--2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
95-48-7	2-Methylphenol	390	U
67-72-1	Hexachloroethane	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
106-44-5	4-Methylphenol	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
208-96-8	Acenaphthylene	390	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	980	U
132-64-9	Dibenzofuran	390	U
100-02-7	4-Nitrophenol	980	U
121-14-2	2,4-Dinitrotoluene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-1A 14'=>18'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296045

Sample wt/vol: 30 (g/ml) G Lab File ID: S6035.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: 15 decanted:(Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

86-73-7	Fluorene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
56-55-3	Benzo(a)anthracene	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	40	J
117-81-7	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-1A 14'=>18'

Lab Name: UPSTATE LABS INC. Contract: _____
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) SOIL Lab Sample ID: 17296045
Sample wt/vol: 30 (g/ml) G Lab File ID: S6035.D
Level: (low/med) LOW Date Received: 06/20/96
% Moisture: 15 decanted: (Y/N) N Date Analyzed: 06/27/96
Concentrated Extract Volume: 500 (uL) Dilution Factor: 1.0
Injection Volume: 2.0 (uL) Soil Aliquot Volume: 2 (uL)
GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
------------	---------------	----	------------	---

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-2 1'=>18'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296046

Sample wt/vol: 30 (g/ml) G Lab File ID: S6036.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: 27 decanted: (Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-95--2	Phenol	460	U
111-44-4	bis(2-Chloroethyl)ether	460	U
95-57-8	2-Chlorophenol	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
95-50-1	1,2-Dichlorobenzene	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
95-48-7	2-Methylphenol	460	U
67-72-1	Hexachloroethane	460	U
621-64-7	N-Nitroso-di-n-propylamine	460	U
106-44-5	4-Methylphenol	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
120-82-1	1,2,4-Trichlorobenzene	460	U
91-20-3	Naphthalene	460	U
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
59-50-7	4-Chloro-3-methylphenol	460	U
91-57-6	2-Methylnaphthalene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1100	U
208-96-8	Acenaphthylene	460	U
131-11-3	Dimethylphthalate	460	U
606-20-2	2,6-Dinitrotoluene	460	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	460	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	460	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	460	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-2 1'=>18'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296046

Sample wt/vol: 30 (g/ml) G Lab File ID: S6036.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: 27 decanted:(Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

86-73-7	Fluorene	460	U
84-66-2	Diethylphthalate	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	460	U
120-12-7	Anthracene	460	U
86-74-8	Carbazole	460	U
84-74-2	Di-n-butylphthalate	52	JB
206-44-0	Fluoranthene	460	U
129-00-0	Pyrene	460	U
85-68-7	Butylbenzylphthalate	460	U
56-55-3	Benzo(a)anthracene	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
218-01-9	Chrysene	460	U
117-81-7	bis(2-Ethylhexyl)phthalate	140	J
117-81-7	Di-n-octylphthalate	460	U
205-99-2	Benzo(b)fluoranthene	460	U
207-08-9	Benzo(k)fluoranthene	460	U
50-32-8	Benzo(a)pyrene	460	U
193-39-5	Indeno(1,2,3-cd)pyrene	460	U
53-70-3	Dibenz(a,h)anthracene	460	U
191-24-2	Benzo(g,h,i)perylene	460	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-2 1'=>18'

Lab Name: UPSTATE LABS INC. Contract: _____
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) SOIL Lab Sample ID: 17296046
Sample wt/vol: 30 (g/ml) G Lab File ID: S6036.D
Level: (low/med) LOW Date Received: 06/20/96
% Moisture: 27 decanted: (Y/N) N Date Analyzed: 06/27/96
Concentrated Extract Volume: 500 (uL) Dilution Factor: 1.0
Injection Volume: 2.0 (uL) Soil Aliquot Volume: 2 (uL)
GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
------------	---------------	----	------------	---

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-2 18'=>22'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYP01

Matrix: (soil/water) SOIL Lab Sample ID: 17296047

Sample wt/vol: 30 (g/ml) G Lab File ID: S6037.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: 16 decanted:(Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
95-48-7	2-Methylphenol	400	U
67-72-1	Hexachloroethane	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
106-44-5	4-Methylphenol	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	990	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	990	U
208-96-8	Acenaphthylene	400	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	990	U
83-32-9	Acenaphthene	400	U
51-28-5	2,4-Dinitrophenol	990	U
132-64-9	Dibenzofuran	400	U
100-02-7	4-Nitrophenol	990	U
121-14-2	2,4-Dinitrotoluene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-2 18'=>22'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYP A01

Matrix: (soil/water) SOIL Lab Sample ID: 17296047

Sample wt/vol: 30 (g/ml) G Lab File ID: S6037.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: 16 decanted: (Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

86-73-7	Fluorene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
56-55-3	Benzo(a)anthracene	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-81-7	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenz(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.
TENTATIVELY IDENTIFIED COMPOUNDS

B-2 18'=>22'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296047

Sample wt/vol: 30 (g/ml) G Lab File ID: S6037.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: 16 decanted: (Y/N) N Date Analyzed: 06/27/96

Concentrated Extract Volume: 500 (uL) Dilution Factor: 1.0

Injection Volume: 2.0 (uL) Soil Aliquot Volume: 2 (uL)

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
------------	---------------	----	------------	---

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-3 1'=>12'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296048

Sample wt/vol: 30 (g/ml) G Lab File ID: S6028.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: 40 decanted: (Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-95--2	Phenol	560	U
111-44-4	bis(2-Chloroethyl)ether	560	U
95-57-8	2-Chlorophenol	560	U
541-73-1	1,3-Dichlorobenzene	560	U
106-46-7	1,4-Dichlorobenzene	560	U
95-50-1	1,2-Dichlorobenzene	560	U
108-60-1	2,2'-oxybis(1-Chloropropane)	560	U
95-48-7	2-Methylphenol	560	U
67-72-1	Hexachloroethane	560	U
621-64-7	N-Nitroso-di-n-propylamine	560	U
106-44-5	4-Methylphenol	560	U
98-95-3	Nitrobenzene	560	U
78-59-1	Isophorone	560	U
88-75-5	2-Nitrophenol	560	U
105-67-9	2,4-Dimethylphenol	560	U
111-91-1	bis(2-Chloroethoxy)methane	560	U
120-83-2	2,4-Dichlorophenol	560	U
120-82-1	1,2,4-Trichlorobenzene	560	U
91-20-3	Naphthalene	560	U
106-47-8	4-Chloroaniline	560	U
87-68-3	Hexachlorobutadiene	560	U
59-50-7	4-Chloro-3-methylphenol	560	U
91-57-6	2-Methylnaphthalene	560	U
77-47-4	Hexachlorocyclopentadiene	560	U
88-06-2	2,4,6-Trichlorophenol	560	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	560	U
88-74-4	2-Nitroaniline	1400	U
208-96-8	Acenaphthylene	560	U
131-11-3	Dimethylphthalate	560	U
606-20-2	2,6-Dinitrotoluene	560	U
99-09-2	3-Nitroaniline	1400	U
83-32-9	Acenaphthene	560	U
51-28-5	2,4-Dinitrophenol	1400	U
132-64-9	Dibenzofuran	560	U
100-02-7	4-Nitrophenol	1400	U
121-14-2	2,4-Dinitrotoluene	560	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-3 1'=>12'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYP A01

Matrix: (soil/water) SOIL Lab Sample ID: 17296048

Sample wt/vol: 30 (g/ml) G Lab File ID: S6028.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: 40 decanted:(Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

86-73-7	Fluorene	560	U
84-66-2	Diethylphthalate	560	U
7005-72-3	4-Chlorophenyl-phenylether	560	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	N-Nitrosodiphenylamine (1)	560	U
101-55-3	4-Bromophenyl-phenylether	560	U
118-74-1	Hexachlorobenzene	560	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	560	U
120-12-7	Anthracene	560	U
86-74-8	Carbazole	560	U
84-74-2	Di-n-butylphthalate	170	JB
206-44-0	Fluoranthene	560	U
129-00-0	Pyrene	560	U
85-68-7	Butylbenzylphthalate	560	U
56-55-3	Benzo(a)anthracene	560	U
91-94-1	3,3'-Dichlorobenzidine	560	U
218-01-9	Chrysene	560	U
117-81-7	bis(2-Ethylhexyl)phthalate	190	J
117-81-7	Di-n-octylphthalate	560	U
205-99-2	Benzo(b)fluoranthene	560	U
207-08-9	Benzo(k)fluoranthene	560	U
50-32-8	Benzo(a)pyrene	560	U
193-39-5	Indeno(1,2,3-cd)pyrene	560	U
53-70-3	Dibenz(a,h)anthracene	560	U
191-24-2	Benzo(g,h,i)perylene	560	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-3 1'=>12'

Lab Name: UPSTATE LABS INC. Contract: _____
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) SOIL Lab Sample ID: 17296048
Sample wt/vol: 30 (g/ml) G Lab File ID: S6028.D
Level: (low/med) LOW Date Received: 06/20/96
% Moisture: 40 decanted: (Y/N) N Date Analyzed: 06/27/96
Concentrated Extract Volume: 500 (uL) Dilution Factor: 1.0
Injection Volume: 2.0 (uL) Soil Aliquot Volume: 2 (uL)
GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	9.30	140	J
2.	unknown hydrocarbon	10.17	120	J
3.	unknown hydrocarbon	11.01	130	J
4.	unknown	18.26	120	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-3 12'=>16'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296049

Sample wt/vol: 30 (g/ml) G Lab File ID: S6038.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: 37 decanted:(Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-95-2	Phenol	530	U
111-44-4	bis(2-Chloroethyl)ether	530	U
95-57-8	2-Chlorophenol	530	U
541-73-1	1,3-Dichlorobenzene	530	U
106-46-7	1,4-Dichlorobenzene	530	U
95-50-1	1,2-Dichlorobenzene	530	U
108-60-1	2,2'-oxybis(1-Chloropropane)	530	U
95-48-7	2-Methylphenol	530	U
67-72-1	Hexachloroethane	530	U
621-64-7	N-Nitroso-di-n-propylamine	530	U
106-44-5	4-Methylphenol	530	U
98-95-3	Nitrobenzene	530	U
78-59-1	Isophorone	530	U
88-75-5	2-Nitrophenol	530	U
105-67-9	2,4-Dimethylphenol	530	U
111-91-1	bis(2-Chloroethoxy)methane	530	U
120-83-2	2,4-Dichlorophenol	530	U
120-82-1	1,2,4-Trichlorobenzene	530	U
91-20-3	Naphthalene	530	U
106-47-8	4-Chloroaniline	530	U
87-68-3	Hexachlorobutadiene	530	U
59-50-7	4-Chloro-3-methylphenol	530	U
91-57-6	2-Methylnaphthalene	530	U
77-47-4	Hexachlorocyclopentadiene	530	U
88-06-2	2,4,6-Trichlorophenol	530	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	530	U
88-74-4	2-Nitroaniline	1300	U
208-96-8	Acenaphthylene	530	U
131-11-3	Dimethylphthalate	530	U
606-20-2	2,6-Dinitrotoluene	530	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	530	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	530	U
100-02-7	4-Nitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	530	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-3 12'=>16'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296049

Sample wt/vol: 30 (g/ml) G Lab File ID: S6038.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: 37 decanted:(Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

86-73-7	Fluorene	530	U
84-66-2	Diethylphthalate	530	U
7005-72-3	4-Chlorophenyl-phenylether	530	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	N-Nitrosodiphenylamine (1)	530	U
101-55-3	4-Bromophenyl-phenylether	530	U
118-74-1	Hexachlorobenzene	530	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	530	U
120-12-7	Anthracene	530	U
86-74-8	Carbazole	530	U
84-74-2	Di-n-butylphthalate	56	JB
206-44-0	Fluoranthene	530	U
129-00-0	Pyrene	530	U
85-68-7	Butylbenzylphthalate	530	U
56-55-3	Benzo(a)anthracene	530	U
91-94-1	3,3'-Dichlorobenzidine	530	U
218-01-9	Chrysene	530	U
117-81-7	bis(2-Ethylhexyl)phthalate	530	U
117-81-7	Di-n-octylphthalate	530	U
205-99-2	Benzo(b)fluoranthene	530	U
207-08-9	Benzo(k)fluoranthene	530	U
50-32-8	Benzo(a)pyrene	530	U
193-39-5	Indeno(1,2,3-cd)pyrene	530	U
53-70-3	Dibenz(a,h)anthracene	530	U
191-24-2	Benzo(g,h,i)perylene	530	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-3 12'=>16'

Lab Name: UPSTATE LABS INC. Contract: _____
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) SOIL Lab Sample ID: 17296049
Sample wt/vol: 30 (g/ml) G Lab File ID: S6038.D
Level: (low/med) LOW Date Received: 06/20/96
% Moisture: 37 decanted: (Y/N) N Date Analyzed: 06/27/96
Concentrated Extract Volume: 500 (uL) Dilution Factor: 1.0
Injection Volume: 2.0 (uL) Soil Aliquot Volume: 2 (uL)
GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
------------	---------------	----	------------	---

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-3 17'=>20'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296050

Sample wt/vol: 30 (g/ml) G Lab File ID: S6039.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: 21 decanted:(Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-95--2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
95-50-1	1,2-Dichlorobenzene	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
95-48-7	2-Methylphenol	420	U
67-72-1	Hexachloroethane	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
106-44-5	4-Methylphenol	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1100	U
208-96-8	Acenaphthylene	420	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	420	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	420	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	420	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-3 17'=>20'

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: 17296050

Sample wt/vol: 30 (g/ml) G Lab File ID: S6039.D

Level: (low/med) LOW Date Received: 06/20/96

% Moisture: 21 decanted:(Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

86-73-7	Fluorene	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-butylphthalate	59	JB
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
85-68-7	Butylbenzylphthalate	420	U
56-55-3	Benzo(a)anthracene	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
218-01-9	Chrysene	420	U
117-81-7	bis(2-Ethylhexyl)phthalate	52	J
117-81-7	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenz(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-3 17'=>20'

Lab Name: UPSTATE LABS INC. Contract: _____
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) SOIL Lab Sample ID: 17296050
Sample wt/vol: 30 (g/ml) G Lab File ID: S6039.D
Level: (low/med) LOW Date Received: 06/20/96
% Moisture: 21 decanted: (Y/N) N Date Analyzed: 06/27/96
Concentrated Extract Volume: 500 (uL) Dilution Factor: 1.0
Injection Volume: 2.0 (uL) Soil Aliquot Volume: 2 (uL)
GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
------------	---------------	----	------------	---

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

7MW-1T

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Matrix (soil/water): SOIL

Lab Sample ID: 17196082

Level (low/med): LOW

Date Received: 06/19/96

% Solids: 74.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7470	—	—	P
7440-36-0	Antimony	2.7	U	N	P
7440-38-2	Arsenic	2.5	B	—	F
7440-39-3	Barium	41.6	B	—	P
7440-41-7	Beryllium	0.29	B	—	P
7440-43-9	Cadmium	1.5	—	—	P
7440-70-2	Calcium	60700	—	E	P
7440-47-3	Chromium	9.0	—	E	P
7440-48-4	Cobalt	6.8	B	—	P
7440-50-8	Copper	16.3	—	—	P
7439-89-6	Iron	12300	—	E	P
7439-92-1	Lead	6.5	—	N*	F
7439-95-4	Magnesium	25000	—	E	P
7439-96-5	Manganese	628	—	—	P
7439-97-6	Mercury	0.13	U	—	CV
7440-02-0	Nickel	14.2	—	—	P
7440-09-7	Potassium	840	B	—	A
7782-49-2	Selenium	1.1	U	—	P
7440-22-4	Silver	0.27	U	N	F
7440-23-5	Sodium	134	U	—	A
7440-28-0	Thallium	0.27	U	NW	F
7440-31-5	Tin	—	—	—	—
7440-62-2	Vanadium	13.7	—	—	P
7440-66-6	Zinc	184	—	N	P
	Cyanide	1.3	U	—	C

Color Before: BROWN

Clarity Before: OPAQUE

Texture: MEDIUM

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: YES

Comments:

CONTAINED SMALL STONES

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

*7*B-14T

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Matrix (soil/water): SOIL

Lab Sample ID: 17196084

Level (low/med): LOW

Date Received: 06/19/96

% Solids: 83.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12400	-		P
7440-36-0	Antimony	2.4	U	N	P
7440-38-2	Arsenic	0.34	B		F
7440-39-3	Barium	16.0	B		P
7440-41-7	Beryllium	0.24	U		P
7440-43-9	Cadmium	0.24	U		P
7440-70-2	Calcium	190000	-	E	P
7440-47-3	Chromium	482	-	E	P
7440-48-4	Cobalt	2.4	U		P
7440-50-8	Copper	5.6	B		P
7439-89-6	Iron	1030	-	E	P
7439-92-1	Lead	4.5	-	N*	F
7439-95-4	Magnesium	48100	-	E	P
7439-96-5	Manganese	139	-		P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	4.8	U		P
7440-09-7	Potassium	24.1	U		A
7782-49-2	Selenium	0.96	U		P
7440-22-4	Silver	0.24	U	N	F
7440-23-5	Sodium	429	B		A
7440-28-0	Thallium	0.24	U	NW	F
7440-31-5	Tin		-		
7440-62-2	Vanadium	32.3	-		P
7440-66-6	Zinc	16.8	-	N	P
	Cyanide	0.99	U		C

Color Before: GREY

Clarity Before: OPAQUE

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts: YES

Comments:

CONTAINED SMALL STONES

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

B-14-8

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA02

Matrix (soil/water): WATER

Lab Sample ID: 17196084

Level (low/med): LOW

Date Received: 06/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium				
7440-47-3	Chromium	129		N	P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-31-5	Tin				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: LIQ

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: NO

Comments:

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

B-10T

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Matrix (soil/water): SOIL

Lab Sample ID: 17196085

Level (low/med): LOW

Date Received: 06/19/96

% Solids: 71.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15600	-		P
7440-36-0	Antimony	3.0	B	N	P
7440-38-2	Arsenic	1.3	B		F
7440-39-3	Barium	20.3	B		P
7440-41-7	Beryllium	0.28	U		P
7440-43-9	Cadmium	1.3	B		P
7440-70-2	Calcium	171000	-	E	P
7440-47-3	Chromium	542	-	E	P
7440-48-4	Cobalt	2.8	U		P
7440-50-8	Copper	10.6	-		P
7439-89-6	Iron	1520	-	E	P
7439-92-1	Lead	80.2	-	N*	F
7439-95-4	Magnesium	58700	-	E	P
7439-96-5	Manganese	198	-		P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	5.6	U		P
7440-09-7	Potassium	28.1	U		A
7782-49-2	Selenium	1.1	U		P
7440-22-4	Silver	0.28	U	N	F
7440-23-5	Sodium	141	U		A
7440-28-0	Thallium	0.28	U	N	F
7440-31-5	Tin		-		
7440-62-2	Vanadium	25.8	-		P
7440-66-6	Zinc	139	-	N	P
	Cyanide	1.2	U		C

Color Before: GREY

Clarity Before: OPAQUE

Texture: COARSE

Color After: YELLOW

Clarity After: CLEAR

Artifacts: YES

Comments:

CONTAINED LARGE AND SMALL STONES

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

B-10-4

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA02

Matrix (soil/water): WATER

Lab Sample ID: 17196085

Level (low/med): LOW

Date Received: 06/19/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium				
7440-47-3	Chromium	643		N	P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-31-5	Tin				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: LIQ

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: NO

Comments:

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

B1A10T

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Matrix (soil/water): SOIL

Lab Sample ID: 17296044

Level (low/med): LOW

Date Received: 06/19/96

% Solids: 71.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17400	—		P
7440-36-0	Antimony	2.9	B	N	P
7440-38-2	Arsenic	2.5	B		F
7440-39-3	Barium	19.9	B		P
7440-41-7	Beryllium	0.28	U		P
7440-43-9	Cadmium	1.2	B		P
7440-70-2	Calcium	159000	—	E	P
7440-47-3	Chromium	498	—	E	P
7440-48-4	Cobalt	2.8	U		P
7440-50-8	Copper	8.2	—		P
7439-89-6	Iron	1920	—	E	P
7439-92-1	Lead	2.9	—	N*	F
7439-95-4	Magnesium	52400	—	E	P
7439-96-5	Manganese	131	—		P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	5.6	U		P
7440-09-7	Potassium	28.1	U		A
7782-49-2	Selenium	1.1	U		P
7440-22-4	Silver	0.28	U	N	F
7440-23-5	Sodium	140	U		A
7440-28-0	Thallium	0.28	U	NW	F
7440-31-5	Tin		—		
7440-62-2	Vanadium	27.5	—		P
7440-66-6	Zinc	20.5	—	N	P
	Cyanide	1.2	U		C

Color Before: GREY

Clarity Before: OPAQUE

Texture: COARSE

Color After: YELLOW

Clarity After: CLEAR

Artifacts: YES

Comments:

CONTAINED BOTH LARGE AND SMALL STONES

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

B-1A10

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA02

Matrix (soil/water): WATER

Lab Sample ID: 17296044

Level (low/med): LOW

Date Received: 06/20/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium				
7440-47-3	Chromium	169	N	P	
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-31-5	Tin				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: LIQ

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: NO

Comments:

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

B1A14T

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Matrix (soil/water): SOIL

Lab Sample ID: 17296045

Level (low/med): LOW

Date Received: 06/19/96

% Solids: 85.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12000	-		P
7440-36-0	Antimony	2.3	U	N	P
7440-38-2	Arsenic	4.1	-		F
7440-39-3	Barium	102	-		P
7440-41-7	Beryllium	0.38	B		P
7440-43-9	Cadmium	2.4	-		P
7440-70-2	Calcium	78300	-	E	P
7440-47-3	Chromium	17.6	-	E	P
7440-48-4	Cobalt	7.4	B		P
7440-50-8	Copper	17.6	-		P
7439-89-6	Iron	15200	-	E	P
7439-92-1	Lead	7.6	-	N*	F
7439-95-4	Magnesium	8690	-	E	P
7439-96-5	Manganese	335	-		P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	16.7	-		P
7440-09-7	Potassium	1600	-		A
7782-49-2	Selenium	0.93	U		P
7440-22-4	Silver	0.24	U	N	F
7440-23-5	Sodium	116	U		A
7440-28-0	Thallium	0.24	U	N	F
7440-31-5	Tin		-		
7440-62-2	Vanadium	18.7	-		P
7440-66-6	Zinc	47.1	-	N	P
	Cyanide	1.1	U		C

Color Before: BROWN

Clarity Before: OPAQUE

Texture: MEDIUM

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: NO

Comments:

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

7B-21T

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Matrix (soil/water): SOIL

Lab Sample ID: 17296046

Level (low/med): LOW

Date Received: 06/19/96

% Solids: 73.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15900	-		P
7440-36-0	Antimony	16.6	-	N	P
7440-38-2	Arsenic	1.1	B		F
7440-39-3	Barium	26.8	B		P
7440-41-7	Beryllium	0.27	U		P
7440-43-9	Cadmium	0.27	U		P
7440-70-2	Calcium	157000	-	E	P
7440-47-3	Chromium	2430	-	E	P
7440-48-4	Cobalt	3.3	B		P
7440-50-8	Copper	11.1	-		P
7439-89-6	Iron	2680	-	E	P
7439-92-1	Lead	6.1	-	N*	F
7439-95-4	Magnesium	63900	-	E	P
7439-96-5	Manganese	246	-		P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	16.9	-		P
7440-09-7	Potassium	27.4	U		A
7782-49-2	Selenium	1.1	U		P
7440-22-4	Silver	0.27	U	N	F
7440-23-5	Sodium	137	U		A
7440-28-0	Thallium	0.27	U	N	F
7440-31-5	Tin		-		
7440-62-2	Vanadium	42.4	-		P
7440-66-6	Zinc	29.8	-	N	P
	Cyanide	0.65	U		C

Color Before: GREY

Clarity Before: OPAQUE

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts: YES

Comments:

CONTAINED SMALL STONES

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

B-2118

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA02

Matrix (soil/water): WATER

Lab Sample ID: 17296046

Level (low/med): LOW

Date Received: 06/20/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium				
7440-47-3	Chromium	563		N	P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-31-5	Tin				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: LIQ

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: NO

Comments:

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

B-218T

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Matrix (soil/water): SOIL

Lab Sample ID: 17296047

Level (low/med): LOW

Date Received: 06/19/96

% Solids: 84.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12500	—	—	P
7440-36-0	Antimony	2.4	U	N	P
7440-38-2	Arsenic	3.2	—	—	F
7440-39-3	Barium	87.1	—	—	P
7440-41-7	Beryllium	0.41	B	—	P
7440-43-9	Cadmium	2.8	—	—	P
7440-70-2	Calcium	52500	—	E	P
7440-47-3	Chromium	17.2	—	E	P
7440-48-4	Cobalt	7.5	B	—	P
7440-50-8	Copper	17.8	—	—	P
7439-89-6	Iron	16300	—	E	P
7439-92-1	Lead	6.8	—	N*	F
7439-95-4	Magnesium	8980	—	E	P
7439-96-5	Manganese	359	—	—	P
7439-97-6	Mercury	0.12	U	—	CV
7440-02-0	Nickel	17.5	—	—	P
7440-09-7	Potassium	1280	—	—	A
7782-49-2	Selenium	0.95	U	—	P
7440-22-4	Silver	0.24	U	N	F
7440-23-5	Sodium	119	U	—	A
7440-28-0	Thallium	0.24	U	N	F
7440-31-5	Tin	—	—	—	—
7440-62-2	Vanadium	20.0	—	—	P
7440-66-6	Zinc	46.9	—	N	P
	Cyanide	0.58	U	—	C

Color Before: BROWN

Clarity Before: OPAQUE

Texture: MEDIUM

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: NO

Comments:

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

B-301T

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Matrix (soil/water): SOIL

Lab Sample ID: 17296048

Level (low/med): LOW

Date Received: 06/19/96

% Solids: 60.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15400	—	—	P
7440-36-0	Antimony	6.6	B	N	P
7440-38-2	Arsenic	0.83	B	—	F
7440-39-3	Barium	72.8	—	—	P
7440-41-7	Beryllium	0.33	U	—	P
7440-43-9	Cadmium	0.33	U	—	P
7440-70-2	Calcium	183000	—	E	P
7440-47-3	Chromium	1070	—	E	P
7440-48-4	Cobalt	3.3	U	—	P
7440-50-8	Copper	7.8	B	—	P
7439-89-6	Iron	1710	—	E	P
7439-92-1	Lead	4.8	—	N*	F
7439-95-4	Magnesium	48000	—	E	P
7439-96-5	Manganese	326	—	—	P
7439-97-6	Mercury	0.16	U	—	CV
7440-02-0	Nickel	8.7	B	—	P
7440-09-7	Potassium	33.3	U	—	A
7782-49-2	Selenium	1.3	U	—	P
7440-22-4	Silver	0.33	U	N	F
7440-23-5	Sodium	166	U	—	A
7440-28-0	Thallium	0.33	U	N	F
7440-31-5	Tin	—	—	—	—
7440-62-2	Vanadium	32.0	—	—	P
7440-66-6	Zinc	29.7	—	N	P
	Cyanide	0.78	U	—	C

Color Before: GREY

Clarity Before: OPAQUE

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts: YES

Comments:

CONTAINED BOTH LARGE AND SMALL STONES

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

B-3112

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA02

Matrix (soil/water): WATER

Lab Sample ID: 17296048

Level (low/med): LOW

Date Received: 06/20/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium				
7440-47-3	Chromium	817		N	P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-31-5	Tin				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: LIQ

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: NO

Comments:

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

B-312T

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Matrix (soil/water): SOIL

Lab Sample ID: 17296049

Level (low/med): LOW

Date Received: 06/19/96

% Solids: 63.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13900	-		P
7440-36-0	Antimony	10.9	B	N	P
7440-38-2	Arsenic	0.78	B		F
7440-39-3	Barium	169	-		P
7440-41-7	Beryllium	0.32	U		P
7440-43-9	Cadmium	0.32	U		P
7440-70-2	Calcium	180000	-	E	P
7440-47-3	Chromium	1720	-	E	P
7440-48-4	Cobalt	4.2	B		P
7440-50-8	Copper	9.5	-		P
7439-89-6	Iron	2700	-	E	P
7439-92-1	Lead	4.6	-	N*	F
7439-95-4	Magnesium	57800	-	E	P
7439-96-5	Manganese	545	-		P
7439-97-6	Mercury	0.16	U		CV
7440-02-0	Nickel	21.2	-		P
7440-09-7	Potassium	31.7	U		A
7782-49-2	Selenium	1.3	U		P
7440-22-4	Silver	0.32	U	N	F
7440-23-5	Sodium	159	U		A
7440-28-0	Thallium	0.33	U	N	F
7440-31-5	Tin		-		
7440-62-2	Vanadium	40.3	-		P
7440-66-6	Zinc	27.7	-	N	P
	Cyanide	0.77	U		C

Color Before: GREY

Clarity Before: OPAQUE

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts: NO

Comments:

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

B-3120

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA02

Matrix (soil/water): WATER

Lab Sample ID: 17296049

Level (low/med): LOW

Date Received: 06/20/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium				
7440-47-3	Chromium	75.9		N	P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-31-5	Tin				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: LIQ

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: NO

Comments:

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

B-317T

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Matrix (soil/water): SOIL

Lab Sample ID: 17296050

Level (low/med): LOW

Date Received: 06/19/96

% Solids: 79.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15900	—		P
7440-36-0	Antimony	2.5	U	N	P
7440-38-2	Arsenic	3.4	—		F
7440-39-3	Barium	115	—		P
7440-41-7	Beryllium	0.58	B		P
7440-43-9	Cadmium	2.9	—		P
7440-70-2	Calcium	33000	—	E	P
7440-47-3	Chromium	22.7	—	E	P
7440-48-4	Cobalt	9.9	B		P
7440-50-8	Copper	20.6	—		P
7439-89-6	Iron	18200	—	E	P
7439-92-1	Lead	7.3	—	N*	F
7439-95-4	Magnesium	8320	—	E	P
7439-96-5	Manganese	528	—		P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	21.2	—		P
7440-09-7	Potassium	1490	—		A
7782-49-2	Selenium	1.9	—		P
7440-22-4	Silver	0.25	U	N	F
7440-23-5	Sodium	126	U		A
7440-28-0	Thallium	0.25	U	N	F
7440-31-5	Tin		—		
7440-62-2	Vanadium	22.4	—		P
7440-66-6	Zinc	55.4	—	N	P
	Cyanide	0.62	U		C

Color Before: BROWN

Clarity Before: OPAQUE

Texture: MEDIUM

Color After: COLORLESS

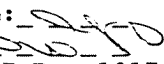
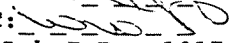
Clarity After: CLEAR

Artifacts: NO

Comments:

DATE: 08/29/96

Upstate Laboratories, Inc.
Analysis Results
Report Number: 17196082
Client I.D.: NYPA-LEWISTON
Sampled by: ULI

APPROVAL: 
QC: 
Lab I.D.: 10170

VANADIUM-SKW
MW-1 1230H 06/18/96 C

ULI I.D.: 17196082

Matrix: Solid

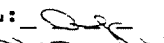
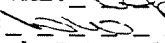
PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Hexavalent Chromium	<1.3mg/kg dw	06/20/96		WB3354
Corrosivity				
pH	8.0SU	06/21/96		WB3376
Percent Solids	74%	06/19/96		WB3345
RCRA Reactivity				
Reactive Sulfide	<50mg/kg	06/26/96		WB3444
Reactive Cyanide	<1.0mg/kg	06/27/96		WB3403

dw = Dry weight

000071

DATE: 08/29/96

Upstate Laboratories, Inc.
Analysis Results
Report Number: 17196082
Client I.D.: NYPA-LEWISTON
Sampled by: ULI

APPROVAL: 
QC: 
Lab I.D.: 10170

VANADIUM-SKW
B-1 (4-8') 1600H 06/18/96 C

ULI I.D.: 17196084

Matrix: Solid

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Hexavalent Chromium	6.4mg/kg dw	06/20/96		WB3354
Corrosivity				
pH	12.3SU	06/21/96		WB3376
Percent Solids	83%	06/19/96		WB3345
RCRA Reactivity				
Reactive Sulfide	<50mg/kg	06/26/96		WB3444
Reactive Cyanide	<1.0mg/kg	06/27/96		WB3403

dw = Dry weight

000072

DATE: 08/29/96

Upstate Laboratories, Inc.
Analysis Results
Report Number: 17196082
Client I.D.: NYPA-LEWISTON
Sampled by: ULI

APPROVAL: *[Signature]*
QC: *[Signature]*
Lab I.D.: 10170

VANADIUM-SKW
B-1 (0-4') 1530H 06/18/96 C

ULI I.D.: 17196085

Matrix: Solid

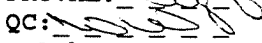
PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Hexavalent Chromium	14mg/kg dw	06/20/96		WB3354
Corrosivity				
pH	11.7SU	06/21/96		WB3376
Percent Solids	71%	06/19/96		WB3345
RCRA Reactivity				
Reactive Sulfide	<50mg/kg	06/26/96		WB3444
Reactive Cyanide	<1.0mg/kg	06/27/96		WB3403

dw = Dry weight

000073

DATE: 08/29/96

Upstate Laboratories, Inc.
Analysis Results
Report Number: 17196082
Client I.D.: NYPA-LEWISTON
Sampled by: ULI

APPROVAL: 
QC: 
Lab I.D.: 10170

VANADIUM-SKW
B-1A(10-14) 1300H 06/19/96 C

ULI I.D.: 17296044

Matrix: Solid

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Hexavalent Chromium	11mg/kg dw	06/20/96		WB3354
Corrosivity				
pH	12.1SU	06/21/96		WB3376
Percent Solids	71%	06/20/96		WB3365
RCRA Reactivity				
Reactive Sulfide	<50mg/kg	06/26/96		WB3444
Reactive Cyanide	<1.0mg/kg	06/27/96		WB3403

dw = Dry weight

000074

DATE: 08/29/96

Upstate Laboratories, Inc.
Analysis Results
Report Number: 17196082
Client I.D.: NYPA-LEWISTON
Sampled by: ULI

APPROVAL: *[Signature]*
QC: *[Signature]*
Lab I.D.: 10170

VANADIUM-SKW
B-1A(14-18) 1330H 06/19/96 C

ULI I.D.: 17296045

Matrix: Solid

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Hexavalent Chromium	<1.1mg/kg dw	06/20/96		WB3354
Corrosivity				
pH	9.8SU	06/21/96		WB3376
Percent Solids	85%	06/20/96		WB3365
RCRA Reactivity				
Reactive Sulfide	<50mg/kg	06/26/96		WB3444
Reactive Cyanide	<1.0mg/kg	06/27/96		WB3403

dw = Dry weight

000075

DATE: 08/29/96

Upstate Laboratories, Inc.
Analysis Results
Report Number: 17196082
Client I.D.: NYPA-LEWISTON
Sampled by: ULI

APPROVAL: *[Signature]*
QC: *[Signature]*
Lab I.D.: 10170

VANADIUM-SKW
B-2(1-18) 1000H 06/19/96 C

ULI I.D.: 17296046

Matrix: Solid

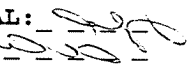
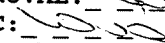
PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Hexavalent Chromium	28mg/kg dw	06/20/96		WB3354
Corrosivity				
pH	12.2SU	06/21/96		WB3376
Percent Solids	73%	06/20/96		WB3365
RCRA Reactivity				
Reactive Sulfide	<50mg/kg	06/26/96		WB3444
Reactive Cyanide	<1.0mg/kg	06/27/96		WB3403

dw = Dry weight

000076

DATE: 08/29/96

Upstate Laboratories, Inc.
Analysis Results
Report Number: 17196082
Client I.D.: NYPA-LEWISTON
Sampled by: ULI

APPROVAL: 
QC: 
Lab I.D.: 10170

VANADIUM-SKW
B-2(18-22) 1030H 06/19/96 C

ULI I.D.: 17296047

Matrix: Solid

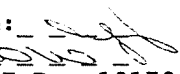
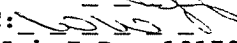
PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Hexavalent Chromium	<1.1mg/kg dw	06/20/96		WB3354
Corrosivity				
pH	9.4SU	06/21/96		WB3376
Percent Solids	84%	06/20/96		WB3365
RCRA Reactivity				
Reactive Sulfide	<50mg/kg	06/26/96		WB3444
Reactive Cyanide	<1.0mg/kg	06/27/96		WB3403

dw = Dry weight

000077

DATE: 08/29/96

Upstate Laboratories, Inc.
Analysis Results
Report Number: 17196082
Client I.D.: NYPA-LEWISTON
Sampled by: ULI

APPROVAL: 
QC: 
Lab I.D.: 10170

VANADIUM-SKW
B-3(1-12) 1100H 06/19/96 C

ULI I.D.: 17296048

Matrix: Solid

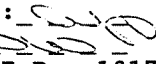
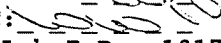
PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Hexavalent Chromium	39mg/kg dw	06/20/96		WB3354
Corrosivity				
pH	12.1SU	06/21/96		WB3376
Percent Solids	60%	06/20/96		WB3365
RCRA Reactivity				
Reactive Sulfide	<50mg/kg	06/26/96		WB3444
Reactive Cyanide	<1.0mg/kg	06/27/96		WB3403

dw = Dry weight

000078

DATE: 08/29/96

Upstate Laboratories, Inc.
Analysis Results
Report Number: 17196082
Client I.D.: NYPA-LEWISTON
Sampled by: ULI

APPROVAL: 
QC: 
Lab I.D.: 10170

VANADIUM-SKW
B-3(12-16) 1130H 06/19/96 C

ULI I.D.: 17296049

Matrix: Solid

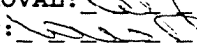
PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Hexavalent Chromium	<1.5mg/kg dw	06/20/96		WB3354
Corrosivity				
pH	12.0SU	06/21/96		WB3376
Percent Solids	63%	06/20/96		WB3365
RCRA Reactivity				
Reactive Sulfide	<50mg/kg	06/26/96		WB3444
Reactive Cyanide	<1.0mg/kg	06/27/96		WB3403

dw = Dry weight

000079

DATE: 08/29/96

Upstate Laboratories, Inc.
Analysis Results
Report Number: 17196082
Client I.D.: NYPA-LEWISTON
Sampled by: ULI

APPROVAL: 
QC: 
Lab I.D.: 10170

VANADIUM-SKW
B-3(17-20) 1200H 06/19/96 C

ULI I.D.: 17296050

Matrix: Solid

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Hexavalent Chromium	<1.2mg/kg dw	06/20/96		WB3354
Corrosivity				
pH	9.8SU	06/21/96		WB3376
Percent Solids	79%	06/20/96		WB3365
RCRA Reactivity				
Reactive Sulfide	<50mg/kg	06/26/96		WB3444
Reactive Cyanide	<1.0mg/kg	06/27/96		WB3403

dw = Dry weight

000080

Quality Control Data

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Upstate Labs Contract: NYPA
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	TOT OUT
01	VBLK01	108	106	102	0
02	TRBLK01	109	108	103	0
03	TRBLK02	109	109	104	0

			QC LIMITS
SMC1	(DCE)	= 1,2-dichloroethane-d4	(76-114)
SMC2	(TOL)	= toluene-d8	(88-110)
SMC3	(BFB)	= bromofluorobenzene	(86-115)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D System Monitoring Compound diluted out

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Upstate Labs Contract: NYPA
 Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
 Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	TOT OUT
01	VBLK01	106	106	108	0
02	MW-1	100	105	91	0
03	B-1 4-8	100	96	96	0
04	B-1 0-4	97	102	96	0
05	B-2 18-22	93	96	85	0
06	B-3 12-16	98	99	98	0
07	VBLK02	86	91	107	0
08	VMSBLK01	101	105	105	0
09	B-3 1-12	99	104	104	0
10	B-3 1-12MS	102	104	100	0
11	B-1 10-14	104	111	108	0
12	B-3 1-12MSD	95	97	96	0
13	B-1 14-18	102	107	93	0
14	B-2 1-18	85	98	104	0
15	B-3 17-20	101	110	101	0

QC LIMITS

SMC1 (DCE) = 1,2-dichloroethane-d4 (70-121)
 SMC2 (TOL) = toluene-d8 (84-138)
 SMC3 (BFB) = bromofluorobenzene (59-113)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: UPSTATE LABS INC. Contract: _____
 Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
 Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (FBP) #	S2 (PHL) #	S3 (2CP) #	S4 (DCB) #	S5 (NBZ) #	S6 (FBP) #	S7 (TBP) #	S8 (TPH) #	TOT OUT
01	SBLK01	44	42	45	46	40	53	47	64	0
02	SMSBLK01	53	55	52	49	45	56	64	66	0
03	B-3 1'=>12'	*	1*	*	12*	22*	26*	*	66	7
04	B-3 1'=>12'MS	*	4*	2*	21	39	39	*	57	4
05	B-3 1'=>12'MS	*	5*	2*	13*	31	34	*	58	5
06	MW-1	31	29	30	20*	26	31	26	65	1
07	B-1 4'=>8'	*	2*	*	45	49	58	*	66	4
08	B-1 0'=>4'	4*	18*	8*	34	40	50	*	60	4
09	B-1A 10'=>14'	*	3*	1*	22	33	36	*	53	4
10	B-1A 14'=>18'	39	38	39	30	33	36	33	53	0
11	B-2 1'=>18'	*	1*	*	7*	14*	20*	*	46	7
12	B-2 18'=>22'	49	46	48	30	41	42	52	57	0
13	B-3 12'=>16'	*	3*	1*	21	34	39	*	61	4
14	B-3 17'=>20'	50	50	46	27	35	34	47	58	0

QC LIMITS

S1 (FBP)	=	2-Fluorophenol	(25-121)
S2 (PHL)	=	Phenol-d5	(24-113)
S3 (2CP)	=	2-Chlorophenol-d4	(20-130)
S4 (DCB)	=	1,2-Dichlorobenzene-d4	(20-130)
S5 (NBZ)	=	Nitrobenzene-d5	(23-120)
S6 (FBP)	=	2-Fluorobiphenyl	(30-115)
S7 (TBP)	=	2,4,6-Tribromophenol	(19-122)
S8 (TPH)	=	Terphenyl-d14	(18-137)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

000083

3A2
SOIL VOLATILE MATRIX SPIKE BLANK RECOVERY

Lab Name: UPSTATE LABORATORIES, INC. Contract: NA Sample No.: VMSBLK01
Job Code: 10170 CAS No.: NA SAS No.: NA SDG No.: DEC01
Matrix Spike - Sample No.: VMSBLK01 Level (low/med) LOW

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	52	104	61-145
Benzene	50	0	48	96	76-127
Trichloroethene	50	0	49	98	71-120
Toluene	50	0	48	96	76-125
Chlorobenzene	50	0	50	100	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

3D2
SOIL SEMIVOLATILE MATRIX SPIKE BLANK RECOVERY

Name: UPSTATE LABORATORIES, INC. Contract: _____
 Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYP A01
 Matrix Spike - EPA Sample No.: SMSBLK01 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC. #	QC. LIMITS REC.
Phenol	2500	0	1200	48	26 - 90
2-Chlorophenol	2500	0	1200	48	25 - 102
1,4-Dichlorobenzene	1700	0	870	51	28 - 104
N-Nitroso-di-n-propylamine	1700	0	760	45	41 - 126
1,2,4-Trichlorobenzene	1700	0	920	54	38 - 107
4-Chloro-3-methylphenol	2500	0	1100	44	26 - 103
Acenaphthene	1700	0	1000	59	31 - 137
4-Nitrophenol	2500	0	1500	60	11 - 114
2,4-Dinitrotoluene	1700	0	1000	59	28 - 89
Pentachlorophenol	2500	0	1200	48	17 - 109
Pyrene	1700	0	1100	65	35 - 142

Column to be used to flag recovery values with an asterisk
 * Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

Comments: _____

ENVIROFORMS/INORGANIC CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Solid LCS Source: ERA

Aqueous LCS Source: ENV. EXPRESS

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum				6070.0	4770.8		2730.0 8680.0	78.6
Antimony				38.1	27.3		11.4 68.6	71.7
Arsenic				65.4	66.4		32.0 97.4	101.5
Barium				161.0	137.9		113.0 211.0	85.7
Beryllium				122.0	97.3		78.1 171.0	79.8
Cadmium				85.4	73.8		44.4 123.0	86.4
Calcium				3710.0	2795.9		2340.0 5230.0	75.4
Chromium				71.6	55.3		38.7 101.0	77.2
Cobalt				94.2	86.4		56.5 134.0	91.7
Copper				173.0	154.1		98.6 251.0	89.1
Iron				12500.0	7201.4		6380.0 18800.0	57.6
Lead				70.4	61.8		37.3 100.0	87.8
Magnesium				2490.0	1955.4		1490.0 3590.0	78.5
Manganese				298.0	227.7		209.0 402.0	76.4
Mercury				1.7	1.7		0.8 2.6	100.0
Nickel				68.5	55.0		37.7 100.0	80.3
Potassium				3250.0	2748.0		2010.0 4290.0	84.6
Selenium				152.0	107.2		79.0 226.0	70.5
Silver				89.0	46.7		40.5 130.0	52.5
Sodium				167.0	90.6	B	71.1 262.0	54.3
Thallium				71.8	83.0	B	26.4 117.0	115.6
Tin								
Vanadium				105.0	80.4		73.5 142.0	76.6
Zinc				110.0	81.6		59.4 164.0	74.2
Cyanide				71.2	57.1		29.9 117.0	80.2

ENVIROFORMS/INORGANIC CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA02

Solid LCS Source: ERA

Aqueous LCS Source: ENV. EXPRESS

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium	4000.0	3373.98	84.3						
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Tin									
Vanadium									
Zinc									
Cyanide									

3B
SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Upstate Labs Contract: NYPA
 Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
 Matrix Spike - EPA Sample No.: B-3 1-12 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-dichloroethene	83	0.0	89	107	59 - 172
benzene	83	0.0	85	102	66 - 142
trichloroethene	83	0.0	86	104	62 - 137
toluene	83	0.0	84	101	59 - 139
chlorobenzene	83	0.0	86	104	60 - 133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,1-dichloroethene	83	86	104	3	22	59 - 172
benzene	83	77	93	9	21	66 - 142
trichloroethene	83	77	93	11	24	62 - 137
toluene	83	76	92	9	21	59 - 139
chlorobenzene	83	79	95	9	21	60 - 133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: UPSTATE LABS INC. Contract: _____
 Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYP A01
 Matrix Spike - EPA Sample No.: B-3 1'=>12' Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	4200	0.0	180	4 *	26 - 90
2-Chlorophenol	4200	0.0	71	2 *	25 - 102
1,4-Dichlorobenzene	2800	0.0	750	27 *	28 - 104
N-Nitroso-di-n-propylamine	2800	0.0	1200	43	41 - 126
1,2,4-Trichlorobenzene	2800	0.0	920	33 *	38 - 107
4-Chloro-3-methylphenol	4200	0.0	440	10 *	26 - 103
Acenaphthene	2800	0.0	1300	46	31 - 137
4-Nitrophenol	4200	0.0	0.0	0 *	11 - 114
2,4-Dinitrotoluene	2800	0.0	1200	43	28 - 89
Pentachlorophenol	4200	0.0	0.0	0 *	17 - 109
Pyrene	2800	0.0	1500	54	35 - 142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Phenol	4200	200	5 *	22	35	26 - 90
2-Chlorophenol	4200	67	2 *	0	50	25 - 102
1,4-Dichlorobenzene	2800	500	18 *	40 *	27	28 - 104
N-Nitroso-di-n-propylamine	2800	930	33 *	26	38	41 - 126
1,2,4-Trichlorobenzene	2800	740	26 *	24 *	23	38 - 107
4-Chloro-3-methylphenol	4200	620	15 *	40 *	33	26 - 103
Acenaphthene	2800	1400	50	8	19	31 - 137
4-Nitrophenol	4200	0.0	0 *	0	50	11 - 114
2,4-Dinitrotoluene	2800	1400	50	15	47	28 - 89
Pentachlorophenol	4200	0.0	0 *	0	47	17 - 109
Pyrene	2800	1500	54	0	36	35 - 142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 3 out of 11 outside limits

Spike Recovery: 15 out of 22 outside limits

COMMENTS: _____

ENVIROFORMS/INORGANIC CLP

5A
SPIKE SAMPLE RECOVERY

SAMPLE NO.

¹
~~7~~MW-1TS

Lab Name: Upstate Laboratories, Inc Contract:

Lab Code: 10170 Case No.: SAS No.: SDG No.: NYPA01

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 74.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony	75-125	2.6885	2.6885	134.42	0.0	N	P
Arsenic	75-125	12.2936	2.4815	10.75	91.3		F
Barium	75-125	489.6992	41.5769	537.69	83.3		P
Beryllium	75-125	11.4716	0.2917	13.44	83.2		P
Cadmium	75-125	11.8903	1.5163	13.46	77.1		P
Calcium							NR
Chromium	75-125	55.1630	8.9835	53.77	85.9		P
Cobalt	75-125	108.0476	6.7830	134.42	75.3		P
Copper	75-125	71.2615	16.3471	67.21	81.7		P
Iron							NR
Lead	75-125	26.4681	6.4735	5.37	372.3	N	F
Magnesium							NR
Manganese		567.8929	627.6102	134.42	-44.4		P
Mercury	75-125	0.7678	0.1336	0.67	114.6		CV
Nickel	75-125	116.8510	14.1937	134.42	76.4		P
Potassium							NR
Selenium	75-125	492.9200	1.0754	537.69	91.7		P
Silver	75-125	9.9935	0.2697	13.49	74.1	N	F
Sodium							NR
Thallium	75-125	8.9884	0.2697	13.44	66.9	N	F
Tin							NR
Vanadium	75-125	121.3366	13.6708	134.42	80.1		P
Zinc	75-125	259.7436	184.4508	134.42	56.0	N	P
Cyanide							NR

Comments:

ENVIROFORMS/INORGANIC CLP

5A
SPIKE SAMPLE RECOVERY

SAMPLE NO.

B-301TS

Lab Name: Upstate Laboratories, Inc Contract:

Lab Code: 10170 Case No.: SAS No.: SDG No.: NYPA01

Matrix (soil/water): SOIL Level (low/med): LOW
% Solids for Sample: 60.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium							NR
Calcium							NR
Chromium							NR
Cobalt							NR
Copper							NR
Iron							NR
Lead							NR
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Tin							NR
Vanadium							NR
Zinc							NR
Cyanide	75-125	6.8480	0.7751 U	8.07	84.9		C

Comments:

ENVIROFORMS/INORGANIC CLP

5A
SPIKE SAMPLE RECOVERY

SAMPLE NO.

B-2118S

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA02

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium							NR
Calcium							NR
Chromium	75-125	703.7700	563.3350	200.00	70.2	N	P
Cobalt							NR
Copper							NR
Iron							NR
Lead							NR
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Tin							NR
Vanadium							NR
Zinc							NR
Cyanide							NR

Comments:

ENVIROFORMS/INORGANIC CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

2
7MW-1TA

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Matrix (soil/water): SOIL

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)		Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony		145.08		10.00	U	120.0	120.9		P
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Tin									NR
Vanadium									NR
Zinc		2941.36		686.08		2000.0	112.8		P
Cyanide									NR

Comments:

ENVIROFORMS/INORGANIC CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

B-2118A

Lab Name: Upstate Laboratories, Inc Contract:

Lab Code: 10170 Case No.: SAS No.: SDG No.: NYPA02

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR)	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium							NR
Calcium							NR
Chromium		1704.08	563.34	1200.0	95.1		P
Cobalt							NR
Copper							NR
Iron							NR
Lead							NR
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Tin							NR
Vanadium							NR
Zinc							NR
Cyanide							NR

Comments:

ENVIROFORMS/INORGANIC CLP

6
DUPLICATES

SAMPLE NO.

2
7/MW-1TD

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 74.0

% Solids for Duplicate: 74.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		7474.8105		8000.9235		6.8		P
Antimony		2.6885	U	2.6885	U			P
Arsenic	2.7	2.4815	B	3.3666		30.3		F
Barium		41.5769	B	48.1973	B	14.7		P
Beryllium		0.2917	B	0.3038	B	4.1		P
Cadmium	1.3	1.5163		1.4650		3.4		P
Calcium		60685.1900		60563.7750		0.2		P
Chromium	2.7	8.9835		9.1488		1.8		P
Cobalt		6.7830	B	6.5410	B	3.6		P
Copper	6.7	16.3471		15.5782		4.8		P
Iron		12268.4000		12622.9760		2.8		P
Lead	0.8	6.4735		10.7731		49.9	*	F
Magnesium		25019.1480		27711.4610		10.2		P
Manganese		627.6102		571.2723		9.4		P
Mercury		0.1336	U	0.1349	U			CV
Nickel	10.8	14.1937		13.7313		3.3		P
Potassium		840.1418	B	899.3805	B	6.8		A
Selenium		1.0754	U	1.0754	U			P
Silver		0.2697	U	0.2697	U			F
Sodium		134.4227	U	134.1558	U			A
Thallium		0.2697	U	0.2693	U			F
Tin								
Vanadium	13.4	13.6708		12.6935	B	7.4		P
Zinc		184.4508		198.5934		7.4		P
Cyanide								

ENVIROFORMS/INORGANIC CLP

6
DUPLICATES

SAMPLE NO.

B-301TD

Lab Name: Upstate Laboratories, Inc Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 60.0

% Solids for Duplicate: 60.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Tin								
Vanadium								
Zinc								
Cyanide	0.8	0.7751	U	0.8249	U			C

ENVIROFORMS/INORGANIC CLP

6
DUPLICATES

SAMPLE NO.

B-2118D

Lab Name: Upstate Laboratories, Inc Contract:

Lab Code: 10170 Case No.: SAS No.: SDG No.: NYPA02

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium		563.3350		561.6250		0.3		P
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Tin								
Vanadium								
Zinc								
Cyanide								

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK01

Lab Name: Upstate Labs Contract: NYPA
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Lab File ID: V6098.D Lab Sample ID: METHOD BLANK V
Date Analyzed: 06/25/96 Time Analyzed: 10:46
GC Column: RTX-502 ID: 0.53 (mm) Heated Purge: (Y/N) Y
Instrument ID: 12.0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MW-1	17196082	V6103.D	14:24
02	B-1 4-8	17196084	V6104.D	15:08
03	B-1 0-4	17196085	V6105.D	15:52
04	B-2 18-22	17296047	V6109.D	18:46
05	B-3 12-16	17296049	V6110.D	19:30

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: Upstate Labs Contract: NYPA

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: VM1072

Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6098.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 99 Date Analyzed: 06/25/96

GC Column: RTX-502 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/KG	Q
74-87-3	chloromethane	10	U	
75-01-4	vinyl chloride	10	U	
74-83-9	bromomethane	10	U	
75-00-3	chloroethane	10	U	
67-64-1	acetone	13		
75-35-4	1,1-dichloroethene	10	U	
75-15-0	carbon disulfide	10	U	
75-09-2	methylene chloride	10	U	
156-60-5	trans-1,2-dichloroethene	10	U	
75-34-33	1,1-dichloroethane	10	U	
156-59-2	cis-1,2-dichloroethene	10	U	
	1,2-dichloroethene (total)	10	U	
78-93-2	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	10	U	
56-23-5	carbon tetrachloride	10	U	
71-43-2	benzene	10	U	
79-01-6	trichloroethene	10	U	
78-87-5	1,2-dichloropropane	10	U	
75-27-4	bromodichloromethane	10	U	
10061-1-5	cis-1,3-dichloropropene	10	U	
10061-2-6	trans-1,3-dichloropropene	10	U	
79-00-5	1,1,2-trichloroethane	10	U	
124-48-1	dibromochloromethane	10	U	
75-25-2	bromoform	10	U	
108-10-1	4-methyl-2-pentanone	10	U	
108-88-3	toluene	10	U	
591-78-6	2-hexanone	10	U	
127-18-4	tetrachloroethene	10	U	
108-90-7	chlorobenzene	10	U	
100-41-4	ethylbenzene	10	U	
	m,p-xylene	10	U	
95-47-6	o-xylene	10	U	
	xylene (total)	10	U	
100-42-5	styrene	10	U	
79-34-5	1,1,2,2-tetrachloroethane	10	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK01

Lab Name: Upstate Labs Contract: NYPA
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) SOIL Lab Sample ID: VM1072
Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6098.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. 99 Date Analyzed: 06/25/96
GC Column: RTX-502 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: 40000 (uL) Soil Aliquot Volume: 400000 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: Upstate Labs Contract: NYPA
 Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
 Lab File ID: V6114.D Lab Sample ID: METHOD BLANK V
 Date Analyzed: 06/26/96 Time Analyzed: 10:49
 GC Column: RTX-502 ID: 0.53 (mm) Heated Purge: (Y/N) Y
 Instrument ID: 12.0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VMSBLK01	MATRIX SPIKE BLANK	V6115.D	11:33
02	B-3 1-12	17296048	V6116.D	12:16
03	B-3 1-12MS	17296048MS	V6117.D	13:00
04	B-1 10-14	17296044	V6119.D	14:27
05	B-3 1-12MSD	17296048MSD	V6120.D	15:10
06	B-1 14-18	17296045	V6121.D	16:01
07	B-2 1-18	17296046	V6122.D	16:45
08	B-3 12-16	17296049	V6123.D	17:29
09	B-3 17-20	17296050	V6124.D	18:12

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: Upstate Labs Contract: NYPA

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: VM1074

Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6114.D

Level: (low/med) LOW Date Received: 06/19/96

% Moisture: not dec. 99 Date Analyzed: 06/26/96

GC Column: RTX-502 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/KG Q

74-87-3	chloromethane	10	U
75-01-4	vinyl chloride	10	U
74-83-9	bromomethane	10	U
75-00-3	chloroethane	10	U
67-64-1	acetone	10	U
75-35-4	1,1-dichloroethene	10	U
75-15-0	carbon disulfide	10	U
75-09-2	methylene chloride	10	U
156-60-5	trans-1,2-dichloroethene	10	U
75-34-33	1,1-dichloroethane	10	U
156-59-2	cis-1,2-dichloroethene	10	U
	1,2-dichloroethene (total)	10	U
78-93-2	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	10	U
56-23-5	carbon tetrachloride	10	U
71-43-2	benzene	10	U
79-01-6	trichloroethene	10	U
78-87-5	1,2-dichloropropane	10	U
75-27-4	bromodichloromethane	10	U
10061-1-5	cis-1,3-dichloropropene	10	U
10061-2-6	trans-1,3-dichloropropene	10	U
79-00-5	1,1,2-trichloroethane	10	U
124-48-1	dibromochloromethane	10	U
75-25-2	bromoform	10	U
108-10-1	4-methyl-2-pentanone	10	U
108-88-3	toluene	10	U
591-78-6	2-hexanone	10	U
127-18-4	tetrachloroethene	10	U
108-90-7	chlorobenzene	10	U
100-41-4	ethylbenzene	10	U
	m,p-xylene	10	U
95-47-6	o-xylene	10	U
	xylene (total)	10	U
100-42-5	styrene	10	U
79-34-5	1,1,2,2-tetrachloroethane	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK02

Lab Name: Upstate Labs Contract: NYPA
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) SOIL Lab Sample ID: VM1074
Sample wt/vol: 5.0 (g/ml) G Lab File ID: V6114.D
Level: (low/med) LOW Date Received: 06/19/96
% Moisture: not dec. 99 Date Analyzed: 06/26/96
GC Column: RTX-502 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: ~~10000~~ 100 (uL) Soil Aliquot Volume: ~~1000000~~ 100 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK01

Lab Name: Upstate Labs Contract: NYPA
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Lab File ID: V6127.D Lab Sample ID: VM1076
Date Analyzed: 06/27/96 Time Analyzed: 12:35
GC Column: RTX-502 ID: 0.53 (mm) Heated Purge: (Y/N) N
Instrument ID: 12.0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TRBLK01	17196083	V6130.D	14:45
02	TRBLK02	17296051	V6131.D	15:29

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: Upstate Labs Contract: NYPA

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) WATER Lab Sample ID: VM1076

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V6127.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/27/96

GC Column: RTX-502 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
75-01-4	vinyl chloride		10	U
74-83-9	bromomethane		10	U
75-00-3	chloroethane		10	U
67-64-1	acetone		10	U
75-35-4	1,1-dichloroethene		10	U
75-15-0	carbon disulfide		10	U
75-09-2	methylene chloride		10	U
156-60-5	trans-1,2-dichloroethene		10	U
75-34-33	1,1-dichloroethane		10	U
156-59-2	cis-1,2-dichloroethene		10	U
	1,2-dichloroethene (total)		10	U
78-93-2	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		10	U
56-23-5	carbon tetrachloride		10	U
71-43-2	benzene		10	U
79-01-6	trichloroethene		10	U
78-87-5	1,2-dichloropropane		10	U
75-27-4	bromodichloromethane		10	U
10061-1-5	cis-1,3-dichloropropene		10	U
10061-2-6	trans-1,3-dichloropropene		10	U
79-00-5	1,1,2-trichloroethane		10	U
124-48-1	dibromochloromethane		10	U
75-25-2	bromoform		10	U
108-10-1	4-methyl-2-pentanone		10	U
108-88-3	toluene		10	U
591-78-6	2-hexanone		10	U
127-18-4	tetrachloroethene		10	U
108-90-7	chlorobenzene		10	U
100-41-4	ethylbenzene		10	U
	m,p-xylene		10	U
95-47-6	o-xylene		10	U
	xylene (total)		10	U
100-42-5	styrene		10	U
79-34-5	1,1,2,2-tetrachloroethane		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK01

Lab Name: Upstate Labs Contract: NYPA
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
Matrix: (soil/water) WATER Lab Sample ID: VM1076
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V6127.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. _____ Date Analyzed: 06/27/96
GC Column: RTX-502 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK01

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Lab File ID: S6026.D Lab Sample ID: SA0923MB, 6/21/9

Instrument ID: 15.0 Date Extracted: 06/21/96

Matrix: (soil/water) SOIL Date Analyzed: 06/27/96

Level: (low/med) LOW Time Analyzed: 14:26

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SMSBLK01	SA0923RS, 6/21/96	S6027.D	06/27/96
02	B-3 1'=>12'	17296048	S6028.D	06/27/96
03	B-3 1'=>12'MS	17296048MS	S6029.D	06/27/96
04	B-3 1'=>12'MSD	17296048MSD	S6030.D	06/27/96
05	MW-1	17196082	S6031.D	06/27/96
06	B-1 4'=>8'	17196084	S6032.D	06/27/96
07	B-1 0'=>4'	17196085	S6033.D	06/27/96
08	B-1A 10'=>14'	17296044	S6034.D	06/27/96
09	B-1A 14'=>18'	17296045	S6035.D	06/27/96
10	B-2 1'=>18'	17296046	S6036.D	06/27/96
11	B-2 18'=>22'	17296047	S6037.D	06/27/96
12	B-3 12'=>16'	17296049	S6038.D	06/27/96
13	B-3 17'=>20'	17296050	S6039.D	06/27/96

COMMENTS:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYP A01

Matrix: (soil/water) SOIL Lab Sample ID: SA0923MB, 6/2

Sample wt/vol: 30 (g/ml) G Lab File ID: S6026.D

Level: (low/med) LOW Date Received: _____

% Moisture: 1 decanted: (Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-95--2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
95-48-7	2-Methylphenol	340	U
67-72-1	Hexachloroethane	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
106-44-5	4-Methylphenol	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	840	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	840	U
208-96-8	Acenaphthylene	340	U
131-11-3	Dimethylphthalate	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	840	U
83-32-9	Acenaphthene	340	U
51-28-5	2,4-Dinitrophenol	840	U
132-64-9	Dibenzofuran	340	U
100-02-7	4-Nitrophenol	840	U
121-14-2	2,4-Dinitrotoluene	340	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: UPSTATE LABS INC. Contract: _____

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01

Matrix: (soil/water) SOIL Lab Sample ID: SA0923MB, 6/2

Sample wt/vol: 30 (g/ml) G Lab File ID: S6026.D

Level: (low/med) LOW Date Received: _____

% Moisture: 1 decanted:(Y/N) N Date Extracted: 06/21/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/27/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

86-73-7	Fluorene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
100-01-6	4-Nitroaniline	840	U
534-52-1	4,6-Dinitro-2-methylphenol	840	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	40	J
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
56-55-3	Benzo(a)anthracene	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	340	U
117-81-7	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenz(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK01

Lab Name: UPSTATE LABS INC. Contract: _____
Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYP A01
Matrix: (soil/water) SOIL Lab Sample ID: SA0923MB, 6/2
Sample wt/vol: 30 (g/ml) G Lab File ID: S6026.D
Level: (low/med) LOW Date Received: _____
% Moisture: 1 decanted: (Y/N) N Date Analyzed: 06/27/96
Concentrated Extract Volume: 500 (uL) Dilution Factor: 1.0
Injection Volume: 2.0 (uL) Soil Aliquot Volume: 2 (uL)
GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
------------	---------------	----	------------	---

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum	50.0	U	50.0	U	50.0	U	50.0	U	50.000	U	P
Antimony	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Arsenic	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	F
Barium	50.0	U	50.0	U	50.0	U	50.0	U	50.000	U	P
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	P
Cadmium	1.0	U	1.7	B	1.5	B	1.0	B	1.000	U	P
Calcium	200.0	U	200.0	U	200.0	U	200.0	U	200.000	U	P
Chromium	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Cobalt	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Copper	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Iron	25.0	U	25.0	U	25.0	U	25.0	U	25.000	U	P
Lead	-1.0	B	-1.1	B	1.0	U	1.0	U	1.400	B	F
Magnesium	200.0	U	200.0	U	200.0	U	200.0	U	200.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Mercury	0.2	U	0.2	U	0.2	U			0.200	U	CV
Nickel	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P
Potassium	100.0	U	100.0	U	100.0	U			100.000	U	A
Selenium	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	P
Silver	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	F
Sodium	500.0	U	500.0	U	500.0	U			500.000	U	A
Thallium	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	F
Tin											
Vanadium	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P
Zinc	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Cyanide	10.0	U	10.0	U	10.0	U			10.000	U	C

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L) C		Continuing Calibration Blank (ug/L)						Preparation Blank C		M
	1	C	2	C	3	C					
Aluminum		U									
Antimony	10.0	U	10.0	U							P
Arsenic											
Barium											
Beryllium	1.0	U	1.0	U							P
Cadmium											
Calcium	200.0	U	200.0	U	200.0	U					P
Chromium											
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium	4.0	U	4.0	U							P
Silver											
Sodium											
Thallium											
Tin											
Vanadium											
Zinc	10.0	U	10.0	U							P
Cyanide											

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L) C		Continuing Calibration Blank (ug/L)						Prepa- ration Blank C		M
	1	C	2	C	3	C					
Aluminum											
Antimony											
Arsenic	1.0	U	1.0	U							F
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead	1.0	U	-1.5	B	1.0	U					F
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver	1.0	U									F
Sodium											
Thallium	1.0	U									F
Tin											
Vanadium											
Zinc											
Cyanide											

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA01

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead			1.0	U							F
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Thallium											
Tin											
Vanadium											
Zinc											
Cyanide											

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA02

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Prepa- ration Blank		M
		C	1	C	2	C	3	C		C	
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium	5.0	U	5.0	U					5.000	U	P
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Thallium											
Tin											
Vanadium											
Zinc											
Cyanide											

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA02

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium	5.0	U	5.0	U							P
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Thallium											
Tin											
Vanadium											
Zinc											
Cyanide											

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA02

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium	5.0	U	5.0	U							P
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Thallium											
Tin											
Vanadium											
Zinc											
Cyanide											

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Upstate Labs Contract: NYPA
 Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
 Lab File ID (Standard): V6097.D Date Analyzed: 06/25/96
 Instrument ID: 12.0 Time Analyzed: 10:02
 GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

	IS1(BCM)		IS2(DFB)		IS3(CBZ)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	155114	9.18	613676	12.89	466745	19.83
UPPER LIMIT	310228	9.68	1227352	13.39	933490	20.33
LOWER LIMIT	77557	8.68	306838	12.39	233373	19.33
EPA SAMPLE NO.						
01 VBLK01	153942	9.19	611922	12.93	445874	19.83
02 MW-1	131546	9.18	524873	12.88	375088	19.83
03 B-1 4-8	149449	9.19	603284	12.88	466018	19.83
04 B-1 0-4	126372	9.19	517433	12.88	392709	19.83
05 B-2 18-22	142353	9.22	557031	12.90	408420	19.83
06 B-3 12-16	122513	9.21	502086	12.90	393745	19.83

IS1 (BCM) = bromochloromethane
 IS2 (DFB) = 1,4-difluorobenzene
 IS3 (CBZ) = chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Upstate Labs Contract: NYPA
 Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
 Lab File ID (Standard): V6113.D Date Analyzed: 06/26/96
 Instrument ID: 12.0 Time Analyzed: 10:06
 GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

	IS1(BCM)		IS2(DFB)		IS3(CBZ)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	159286	9.19	623357	12.89	483260	19.83
UPPER LIMIT	318572	9.69	1246714	13.39	966520	20.33
LOWER LIMIT	79643	8.69	311679	12.39	241630	19.33
EPA SAMPLE NO.						
01 VBLK02	133447	9.21	472868	12.88	425770	19.83
02 VMSBLK01	139399	9.19	543686	12.88	430359	19.83
03 B-3 1-12	128764	9.22	532508	12.90	417103	19.83
04 B-3 1-12MS	137145	9.21	546496	12.90	420455	19.83
05 B-1 10-14	130206	9.22	532555	12.90	414031	19.83
06 B-3 1-12MSD	131588	9.19	547169	12.88	431847	19.83
07 B-1 14-18	143823	9.20	565285	12.90	415554	19.85
08 B-2 1-18	102893	9.22	404200	12.90	358431	19.83
09 B-3 17-20	118965	9.19	471143	12.88	369150	19.83

IS1 (BCM) = bromochloromethane
 IS2 (DFB) = 1,4-difluorobenzene
 IS3 (CBZ) = chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Upstate Labs Contract: NYPA
 Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
 Lab File ID (Standard): V6126.D Date Analyzed: 06/27/96
 Instrument ID: 12.0 Time Analyzed: 11:51
 GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) N

	IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	137506	9.22	541399	12.90	417132	19.83
UPPER LIMIT	275012	9.72	1082798	13.40	834264	20.33
LOWER LIMIT	68753	8.72	270700	12.40	208566	19.33
EPA SAMPLE NO.						
01 VBLK01	145419	9.23	579092	12.90	443281	19.83
02 TRBLK01	133526	9.24	541337	12.92	407775	19.83
03 TRBLK02	118595	9.25	477073	12.91	361887	19.83

IS1 (BCM) = bromochloromethane
 IS2 (DFB) = 1,4-difluorobenzene
 IS3 (CBZ) = chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: UPSTATE LABS INC. Contract: _____
 Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
 Lab File ID (Standard): S6025.D Date Analyzed: 06/27/96
 Instrument ID: 15.0 Time Analyzed: 13:51

	IS1(DCB)		IS2(NPT)		IS3(ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	50553	4.47	154844	5.93	91880	8.46
UPPER LIMIT	101106	4.97	309688	6.43	183760	8.96
LOWER LIMIT	25277	3.97	77422	5.43	45940	7.96
EPA SAMPLE NO.						
01 SBLK01	44363	4.47	145131	5.93	76703	8.51
02 SMSBLK01	46825	4.47	155107	5.94	86893	8.48
03 B-3 1'=>12'	44627	4.47	151343	5.93	79915	8.49
04 B-3 1'=>12'MS	55985	4.47	177458	5.93	87245	8.48
05 B-3 1'=>12'MS	43241	4.47	140440	5.93	76771	8.49
06 MW-1	39652	4.47	128699	5.93	68912	8.51
07 B-1 4'=>8'	45229	4.48	151007	5.93	82532	8.50
08 B-1 0'=>4'	45094	4.47	147565	5.93	77877	8.49
09 B-1A 10'=>14'	45379	4.47	150846	5.93	81712	8.51
10 B-1A 14'=>18'	41839	4.47	142086	5.93	75916	8.51
11 B-2 1'=>18'	44764	4.47	154685	5.93	77407	8.51
12 B-2 18'=>22'	40402	4.47	137510	5.93	69321	8.51
13 B-3 12'=>16'	41168	4.47	139949	5.93	76141	8.50
14 B-3 17'=>20'	48325	4.47	174944	5.94	97626	8.51

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: UPSTATE LABS INC. Contract: _____
 Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: NYPA01
 Lab File ID (Standard): S6025.D Date Analyzed: 06/27/96
 Instrument ID: 15.0 Time Analyzed: 13:51

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	132371	11.08	103104	16.24	102709	18.86
UPPER LIMIT	264742	11.58	206208	16.74	205418	19.36
LOWER LIMIT	66186	10.58	51552	15.74	51355	18.36
EPA SAMPLE NO.						
01 SBLK01	111657	11.11	79402	16.26	81831	18.87
02 SMSBLK01	131609	11.08	99130	16.25	104360	18.87
03 B-3 1'=>12'	125957	11.09	94386	16.24	92352	18.86
04 B-3 1'=>12'MS	124858	11.08	88887	16.24	94100	18.86
05 B-3 1'=>12'MS	122405	11.09	100422	16.24	102715	18.86
06 MW-1	110239	11.10	85361	16.25	85960	18.86
07 B-1 4'=>8'	126982	11.10	97797	16.23	102116	18.86
08 B-1 0'=>4'	119006	11.08	101550	16.24	106316	18.85
09 B-1A 10'=>14'	129524	11.11	105260	16.24	104571	18.86
10 B-1A 14'=>18'	110296	11.11	81262	16.25	81182	18.88
11 B-2 1'=>18'	126687	11.10	104630	16.23	106678	18.86
12 B-2 18'=>22'	114952	11.10	92554	16.25	91851	18.87
13 B-3 12'=>16'	119311	11.10	94970	16.24	92680	18.86
14 B-3 17'=>20'	165223	11.10	131564	16.24	127881	18.86

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 * Values outside of contract required QC limits

Upstate Laboratories, Inc.
Quality Control Summary – Inorganics

Client: NYPA – Lewiston
Project: Vanadium – SKW
Record No.: K082896A

Reference Sample & Matrix Spike

Parameter	File No.	Reference Sample				Matrix Spike					
		Spike Added	RS Conc.	% Rec.	Control Limits (1)	Sample Spiked	Spike Added	Sample Result	MS Conc.	% Rec.	Control Limits (2)
Hexavalent Chromium	WB3354	0.690	0.640	93	90–110	17196084	54.7	6.40	64.4	106	90–110
Reactive Cyanide	WB3403	Reference Cyanide Package			–	–	–	–	–	–	–
Sulfide (titrametric)	WB3444	129	78.9	61	21–144	–	–	–	–	–	–
pH	WB3376	–	7.02	–	6.95–7.05	–	–	–	–	–	–

Duplicate & Method Blank

Parameter	File No.	Duplicate					Method Blank	
		Sample Duplicated	Sample Result	Duplicate Result	RPD %	Control Limits (2)	Result	PQL (1)
Hexavalent Chromium	WB3354	17196084	6.70	9.40	34	10	<0.01	0.01
Reactive Cyanide	WB3403	Reference Cyanide Package			–	–	–	–
Sulfide (titrametric)	WB3444	17296048	<50	<50	–	20	<5	5
pH	WB3376	–	–	–	–	–	–	–

(1) ULI In-house control limits

(2) ULI In-house control limits for water matrices.

000123

Field Data

Challinor of Custody Record

7/10

[illegible]

000124

Chart of Custody Record

Client:			Client Project # / Project Name			No. of Containers		Special Turnaround Time (Lab Notification required)																			
NYPA @ Lewiston			Vanadium-SKM																								
Client Contact: John Malinchock			Phone # (716) 285-3211			Site Location (city/state)																					
Sample Location:			Date			Time			Matrix			Grab or Comp.			ULI Internal Use Only			Remarks									
B-1A(10-14)			6/19/96			13:00			S			C			17296044												
B-1A(14-18)			6/19/96			13:30			S			C			45												
B-2(1-18)			6/19/96			10:08			S			C			46												
B-2(18-22)			6/19/96			10:30			S			C			47												
B-3(1-12)			6/19/96			11:00			S			C			48												
B-3(12-16)			6/19/96			11:30			S			C			49												
B-3(17-20)			6/19/96			12:00			S			C			50												
Trip Blank			6/19/96			6:30			W			G			51												
parameter and method			sample bottle:			type			size			pres.															
1) TCL Volatiles ASP			VOA			125ml			No																		
2) TCL Semi-volatiles ASP			CWM			Qt			No																		
3) TAL Metals plus Cyanide ASP			CWM			Qt			No																		
4) Hexavalent Cr ASP-Like			CWM			Qt			No																		
5) Reactivity, Corrosivity ASP-Like			CWM			Qt			No																		
6) TCLP Metals if Required			On Hold pending total metals data																								
7)																											
8)																											
9)																											
10)																											
Note: The numbered columns above cross-reference with the numbered columns in the upper right-hand corner.																											

Niagara Power Project
P.O. Box 277
Niagara Falls, New York 14302-0277
716 285.3211



DEC
1997

RECEIVED

APR 01 1997

NYSDEC-REG. 9
FOIL
☒ REL ☐ UNREL

March 31, 1997

Mr. Michael Hinton, P.E.
Environmental Engineer II
NYS DEC
270 Michigan Avenue
Buffalo, NY 14203

Re: Vanadium SKW
Boring/Ground Water Report

Dear Mr. Hinton:

Per our discussion, enclosed please find a copy of the Vanadium SKW Ground Water Monitoring Report dated 11/7/96 as prepared by Upstate Laboratories Inc. for the New York Power Authority, Niagara Project.

Very truly yours,

J. C. Malinchock km

John C. Malinchock
Environmental Supervisor

JCM/kmm
Attach.

cc: J. Ford
E. Holman
J. Lyons
General Files

Upstate Laboratories, Inc.

6034 Corporate Drive
East Syracuse, New York 13057-1017

Sample Data Summary Package

Summary of Test Results, Summary of QC Data, Narrative and Field Data
Volume 1 of 5

SDG No. NYPA02

Project:

Vanadium SKW
Groundwater
Lewiston, New York

Prepared for:

Mr. John Malinchock
New York Power Authority
5777 Lewiston Road
Lewiston, New York 14092

Samples Collected:

November 7, 1996

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

B-212

Narrative

1.0 Summary

This report presents the sample test results and quality control results for ground water site collected from Vanadium SKW Site, Lewiston, New York. The samples were analyzed for the parameters listed in Section 3.0, below.

This report is divided into two packages. The Sample Data Summary Package (Volume 1) presents a summary of the test results and quality control data. This abbreviated format is useful to engineers and environmental scientists. The Sample Data Package (Volumes 2-5) is a comprehensive report containing instrument raw data. It is formatted for validation by an independent third party.

2.0 Chain of Custody

The samples were collected by Upstate Laboratories, Inc. on November 7, 1996 and hand delivered to Upstate Laboratories, Inc., Syracuse, New York. The Chain of Custody documentation is copied in both Volumes 2. Field documentation is copied in Volume 1.

3.0 Methodology

The analyses were performed using test methods developed by the USEPA and reorganized by the NYSDEC in the Analytical Services Protocol (ASP). The specific method numbers are:

<u>Parameter</u>	<u>Method</u>	<u>Reference</u>
Alkalinity	310.2	(1)
Chloride	9252	(1)
Hexavalent Chromium	7196	(1)
pH	150.1	(1)
Sulfate		
TCL Volatile Organic Compounds	91-1	(1)
TCL Semivolatile Organic Compounds	91-2	(1)
Metals by ICP	200.7 CLP-M	(1)
Metals by Furnace	200 CLP-M	(1)
Metals by AA Flame	200 CLP-M	(1)
Mercury	245.1 CLP-M	(1)

(1) "Analytical Services Protocol", New York State Department of Environmental Protection, 12/91 and 9/93 revisions

4.0 Quality Control

Quality control data includes method blanks, reference samples, matrix spikes, matrix spike duplicates, duplicates and surrogate recoveries. For wet chemistry, the association of QC data with sample data is made through the use of the "File No." found on both the final report pages and the QC summary pages.

5.0 Internal Validation

The following observations are offered:

Volatiles by IS

Holding Time : The samples were analyzed outside the NYSDEC contract holding time criteria of 7 days but within the EPA method criteria of 14 days.

Calibration : Internal standard area counts were low in the field quality control samples and the laboratory quality control samples but not in the monitoring well MW-1B.

Method Blanks : Criteria were satisfied.

MSB : Criteria were satisfied.

MS/MSD : Criteria were satisfied.

Surrogates : Criteria were satisfied.

Semivolatiles by GC/MS

Holding Time : Criteria were satisfied.

Calibration : 2-Methylphenol, hexachlorocyclopentadiene, 2,4-dinitrophenol 2,4-dinitro-2-methylphenol and pentachlorophenol did not meet the initial calibration criteria. Hexachlorocyclopentadiene did not meet continuing calibration criteria.

Method Blanks : Criteria were satisfied.

MSB : Criteria were satisfied.

MS/MSD : Recoveries were biased low for N-nitroso-di-n-propylamine and 1,2,4-trichlorobenzene.

Surrogates : Criteria were satisfied.

Trace Metals

Holding Time : Criteria were satisfied.

Calibration : The first CCV was saturated for beryllium, however, the samples ran under the CRDL. The PBW ran positive for selenium in run ME0668 because the analyst accidentally added LCSW solution to the PBW cup between the replicate aspirations of the PBW.

Method Blanks : Criteria were satisfied.

LCS : Criteria were satisfied.

Matrix Spikes : Criteria were satisfied.

Duplicates : Criteria were satisfied.

Wet Chemistry

Holding Time : Criteria were satisfied.

Calibration : Criteria were satisfied.

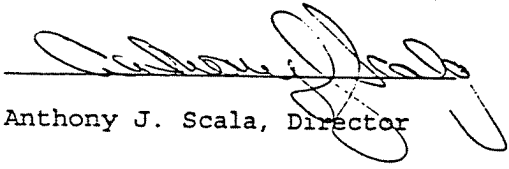
Method Blanks : Criteria were satisfied.

Reference
Samples : Criteria were satisfied.

Matrix Spikes : Criteria were satisfied.

Duplicates : Criteria were satisfied.

Approved


Anthony J. Scala, Director

Sample Data

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1B

Lab Name: Upstate Labs Contract: _____

Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYP02

Matrix: (soil/water) WATER Lab Sample ID: 31396153

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VN127.D

Level: (low/med) LOW Date Received: 11/08/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

GC Column: _____ ID: _____ (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
75-1-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
75-15-0	Carbon Disulfide	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-33	1,1-Dichloroethane	10	U
108-5-4	Vinyl Acetate	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
74-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
7527-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-pentanone	10	U
10061-1-5	cis-1,3-Dichloropropene	10	U
108-88-3	Toluene	10	U
156-60-5	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
108-38-3	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-1B

Lab Name: Upstate Labs Contract: _____
Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYP02
Matrix: (soil/water) WATER Lab Sample ID: 31396153
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VN127.D
Level: (low/med) LOW Date Received: 11/08/96
% Moisture: not dec. _____ Date Analyzed: 11/21/96
GC Column: _____ ID: _____ (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1B

Lab Name: Upstate Labs Contract: _____

Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYPA02

Matrix: (soil/water) WATER Lab Sample ID: 31396153

Sample wt/vol: 1000 (g/ml) ML Lab File ID: SD062.D

Level: (low/med) LOW Date Received: 11/08/96

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/12/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/04/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U
100-02-7	4-Nitrophenol	25	U
121-14-2	2,4-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1B

Lab Name: Upstate Labs Contract: _____

Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYPA02

Matrix: (soil/water) WATER Lab Sample ID: 31396153

Sample wt/vol: 1000 (g/ml) ML Lab File ID: SD062.D

Level: (low/med) LOW Date Received: 11/08/96

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/12/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/04/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

86-73-7	Fluorene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo(a)anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-81-7	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-1B

Lab Name: Upstate Labs Contract: _____
Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYPA02
Matrix: (soil/water) WATER Lab Sample ID: 31396153
Sample wt/vol: 1000 (g/ml) ML Lab File ID: SD062.D
Level: (low/med) LOW Date Received: 11/08/96
% Moisture: _____ decanted: (Y/N) N Date Analyzed: 12/04/96
Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
Injection Volume: 2.0 (uL) Soil Aliquot Volume: 2 (uL)
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000095-47-6	Benzene, 1,2-dimethyl-	2.71	12	JN
2.	unknown	2.87	3	J
3.	unknown	3.56	7	J
4. 000611-14-3	Benzene, 1-ethyl-2-methyl-	3.90	7	JN
5.	unknown	3.98	3	J

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

W-01BT

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA02

Matrix (soil/water): WATER

Lab Sample ID: 31396153

Level (low/med): LOW

Date Received: 11/08/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	50.0	U		P
7440-36-0	Antimony	42.4	-	*	P
7440-38-2	Arsenic	17.9	-		P
7440-39-3	Barium	50.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.8	B	N	P
7440-70-2	Calcium	167000	-		P
7440-47-3	Chromium	5.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	112	-	N*	P
7439-89-6	Iron	104	-		P
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium	39900	-		P
7439-96-5	Manganese	31.4	-		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	1850	B		A
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	26800	-		A
7440-28-0	Thallium	1.0	U	N	F
7440-31-5	Tin		-		
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	635	-	N	P
	Cyanide		-		

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: LIQ

Color After: COLORLESS

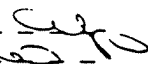
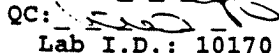
Clarity After: CLEAR

Artifacts: NO

Comments:

DATE: 01/20/97

Upstate Laboratories, Inc.
Analysis Results
Report Number: 31396153
Client I.D.: NYPA-LEWISTON
Sampled by: ULI

APPROVAL: 
QC: 
Lab I.D.: 10170

VANADIUM SKW-
GROUNDWATER MW-1B 1030H 11/07/96 G

ULI I.D.: 31396153

Matrix: Water

PARAMETERS

RESULTS

DATE ANAL.

KEY

FILE#

pH

6.9SU

11/08/96

17

WB358

Hexavalent Chromium

<0.01mg/l

11/08/96

WB517

Total Alkalinity

320mg/lCaCO3

11/13/96

WB521

Chloride

37mg/l

11/12/96

WB518

Sulfate

380mg/l

11/11/96

WB517

Calculated Hardness

580mg/lCaCO3

11/08/96

CALCU

000015

KEY PAGE

1 MATRIX INTERFERENCE PRECLUDES LOWER DETECTION LIMITS
2 MATRIX INTERFERENCE
3 PRESENT IN BLANK
4 ANALYSIS NOT PERFORMED BECAUSE OF INSUFFICIENT SAMPLE
5 THE PRESENCE OF OTHER TARGET ANALYTE(S) PRECLUDES LOWER DETECTION LIMITS
6 BLANK CORRECTED
7 HEAD SPACE PRESENT IN SAMPLE
8 QUANTITATION LIMIT IS GREATER THAN THE CALCULATED REGULATORY LEVEL. THE
QUANTITATION LIMIT THEREFORE BECOMES THE REGULATORY LEVEL.
9 THE OIL WAS TREATED AS A SOLID AND LEACHED WITH EXTRACTION FLUID
10 ADL(AVERAGE DETECTION LIMITS)
11 PQL(PRACTICAL QUANTITATION LIMITS)
12 SAMPLE ANALYZED OVER HOLDING TIME
13 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL DUE TO CONTAMINATION FROM
THE FILTERING PROCEDURE
14 SAMPLED BY ULI
15 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL; HOWEVER, THE VALUES ARE
WITHIN EXPERIMENTAL ERROR
16 AN INHIBITORY FACTOR WAS OBSERVED IN THIS ANALYSIS
17 PARAMETER NOT ANALYZED WITHIN 15 MINUTES OF SAMPLING
18 DEPENDING UPON THE INTENDED USE OF THIS TEST RESULT, CONFIRMATION BY GC/MS
OR DUAL COLUMN CHROMATOGRAPHY MAY BE REQUIRED
19 CALCULATION BASED ON DRY WEIGHT
20 INDICATES AN ESTIMATED VALUE, DETECTED BUT BELOW THE PRACTICAL QUANTITATION
LIMITS
21 UG/KG AS REC.D / UG/KG DRY WT
22 MG/KG AS REC.D / MG/KG DRY WT
23 INSUFFICIENT SAMPLE PRECLUDES LOWER DETECTION LIMITS
24 SAMPLE DILUTED/BLANK CORRECTED
25 ND(NON-DETECTED)
26 MATRIX INTERFERENCE PRECLUDES LOWER DETECTION LIMITS/BLANK CORRECTED
27 SPIKE RECOVERY ABNORMALLY HIGH/LOW DUE TO MATRIX INTERFERENCE
28 POST-DIGESTION SPIKE FOR FURNACE AA ANALYSIS IS OUTSIDE OF THE CONTROL
LIMITS (85-115%); HOWEVER, THE SAMPLE CONCENTRATION IS BELOW THE PQL
29 ANALYZED BY METHOD OF STANDARD ADDITIONS
30 METHOD PERFORMANCE STUDY HAS NOT BEEN COMPLETED/ND(NON-DETECTED)
31 FIELD MEASURED PARAMETER TAKEN BY CLIENT
32 TARGET ANALYTE IS BIODEGRADED AND/OR ENVIRONMENTALLY WEATHERED
33 NON-POTABLE WATER SOURCE
34 THE QUALITY CONTROL RESULTS FOR THIS ANALYSIS INDICATE A POSITIVE BIAS OF
1-5 MG/L. THE POSITIVE BIAS FALLS BELOW THE PUBLISHED EPA REGULATORY DETECTION
LIMIT OF 5 MG/L BUT ABOVE 1 MG/L.
35 THE HYDROCARBONS DETECTED IN THE SAMPLE DID NOT CROSS-MATCH WITH COMMON
PETROLEUM DISTILLATES
36 MATRIX INTERFERENCE CAUSING SPIKES TO RESULT IN LESS THAN 50.0% RECOVERY
37 MILLIGRAMS PER LITER (MG/L) / POUNDS (LBS) PER DAY
38 MILLIGRAMS PER LITER (MG/L) OF RESIDUAL CHLORINE (CL2) / POUNDS (LBS)
PER DAY OF CL2
39 MICROGRAMS PER LITER (UG/L) / POUNDS (LBS) PER DAY
40 MILLIGRAMS PER LITER (MG/L) LINEAR ALKYL SULFONATE (LAS) / POUNDS (LBS)
PER DAY LAS
41 RESULTS ARE REPORTED ON AN AS REC.D BASIS
42 THE SAMPLE WAS ANALYZED ON A TOTAL BASIS; THE TEST RESULT CAN BE COMPARED
TO THE TCLP REGULATORY CRITERIA BY DIVIDING THE TEST RESULT BY 20,
CREATING A THEORETICAL TCLP VALUE
43 METAL BY CONCENTRATION PROCEDURE
44 POSSIBLE CONTAMINATION FROM FIELD/LABORATORY

000017

August 6, 1996

Upstate Laboratories
6034 Corporate Drive
East Syracuse, New York 13057

Attention: Kathy Fregelette

Reference: Report for Drilling Services
Vanadium SKW Site
Town of Niagara, New York
Maxim Project Number 6001-6-00118

Maxim Technologies of New York, Inc. (Maxim) was retained by Upstate Laboratories (Upstate) to install monitoring wells and advance test borings at the Vanadium SKW site in the Town of Niagara, Niagara County, New York for the Power Authority for the State of New York (PASNY).

Maxim drilled and installed two monitoring wells and completed four test borings at the site during June 18 to June 20, 1996. One monitoring well was installed in the overburden and one monitoring well was installed in the bedrock. Both monitoring wells were installed outside the landfill area. The four soil borings were advanced within the landfill area of the site. The drilling was performed with a truck mounted CME-75 rotary drill rig. An Maxim geologist monitored the drilling and well installation activities and prepared subsurface logs and well installation reports which are attached to this report. The monitoring well and test boring locations were selected and located in the field by Upstate and PASNY.

Test borings B-1 through B-3 and MW-1 and MW-1D were each drilled to depths ranging from 8.5-feet to 64.0-feet below ground surface. Test borings and monitoring wells were advanced using 4.25-inch inside diameter hollow stem augers to facilitate collection of subsurface split spoon samples, bedrock coring and the installation of 2-inch inside diameter PVC monitoring wells.

S-5167 South Park Ave. • P.O. Box 0913 • Hamburg, NY 14075 • (716) 649-8110 • Fax: (716) 649-8051

Asteco • Austin Research Engineers • Chen-Northern • Empire Soils Investigations • Kansas City Testing
Maxim Engineers • Nebraska Testing • Patzig Testing • Southwestern Laboratories • Thomas-Hartig • Twin City Testing

Representative soil samples of the overburden were obtained by driving a standard 2-inch outside diameter split-spoon sampler into the undisturbed material below the auger casing with a 140-pound hammer free falling a distance of 30-inches per blow. This procedure is consistent with American Society of Testing Materials (ASTM) Method D-1586 Standard Penetration Tests (SPT). The number of blows required to drive the split-spoon for each 6-inch interval was recorded on the subsurface report. The depth of each monitoring well or test boring was determined in the field by Upstate, PASNY and Maxim based on subsurface conditions including the presence of groundwater in the borehole.

Generally, soil sampling was continuous from ground surface to the bottom of the test boring. Maxim monitored the subsurface explorations and prepared boring logs based on visual observations of the recovered soil samples. The soil samples were generally described using ASTM D-2488 for identification of soils. Features such as relative density or consistency (obtained from the SPT), color, grain size, moisture, etc. were recorded on the boring logs attached to this report. Upstate personnel collected analytical soil samples during the advancement of each test boring. In MW-1D, bedrock coring was completed using HQ-size core equipment. Recovered core samples were collected and logged in the field by Maxim.

After completing the soil sampling at MW-1, the overburden well, and bedrock coring at MW-1D, the bedrock well, ground water monitoring wells were installed. The wells consisted of two inch diameter schedule 40 polyvinyl chloride (PVC) well screen and riser casing. The wells were completed to depths of 15.7 feet (MW-1) and 64.0-feet (MW-1D) below ground surface. Each monitoring well was constructed with 10-feet of 10-slot well screen at the bottom of the well with riser pipe extending from the top of the well screen to approximately 2.5 feet above ground surface. The annular space between the borehole wall and the well screen was backfilled with Morie No. 1 silica sand to a minimum depth of 1-foot above the top of the well screen. A minimum 1-foot thick bentonite chip seal was

installed over the sand pack. The remaining borehole annulus was backfilled with cement/bentonite grout to ground surface. A steel, locking protective casing was installed over the well riser pipe and cemented in place at each monitoring well location.

To determine the presence or absence of groundwater in the borehole prior the installation of the well materials at MW-1D, a clean stainless steel bailer was used to bail the borehole and monitor groundwater level and production. Bedrock coring continued until noticeable groundwater encountered.

Interpretation of the subsurface conditions is based on visual observations made during the advancement of the four (4) test borings and two (2) monitoring wells. The subsurface boring logs should be referred to for a specific description of the subsurface conditions at each drilling location. The following description of the subsurface conditions is general in nature.

At the test boring locations within the landfill area, approximately 15 feet to 18 feet of light gray to white powder fill material was encountered over the native red-brown to gray silty clay soils. MW-1 and MW-1D were each advanced to the top of the underlying dolomite bedrock through approximately 15 feet of red-brown silt and clay soils. MW-1D was continued past the top of the bedrock to 64 feet below ground surface by coring the bedrock. The bedrock beneath the site is described as a gray dolomite, hard, weathered to sound, bedded and contains vugs, voids and stylitic partings.

If you have any questions or if we can be of further assistance, please contact our office. It has been a pleasure to complete this project with you.

Sincerely;
MAXIM TECHNOLOGIES of NEW YORK, INC,



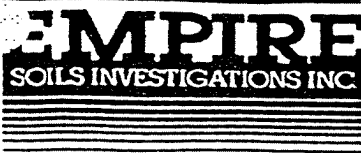
Jerry A. Jones
Geologist/Drilling Services Coordinator

DATE

STARTED 5-1-86

FINISHED 5-1-86

SHEET 1 OF 1



SUBSURFACE LOG

HOLE NO. B-175

SURF. ELEV. 325.6

G.W. DEPTH See Note #1

Project

LOCATION

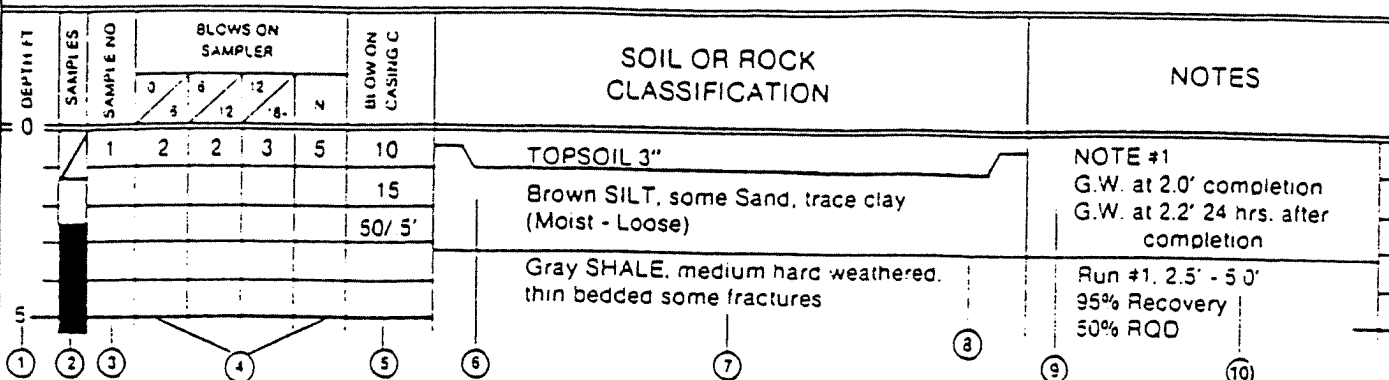


TABLE I

	Split Spoon Sample
	Shelby Tube Sample
	Auger or Test Pit Sample
	Rock Core

TABLE II

Identification of soil type is made on basis of an estimate of particle sizes, and in the case of fine grained soils also on basis of plasticity.		
Soil Type	Soil Particle Size	
Boulder	> 12"	Coarse Grained (Granular)
Cobble	3" - 12"	
Gravel - Coarse	3/4" - 3/8"	
- Fine	3/8" - #4	
Sand - Coarse	#4 - #10	
- Medium	#10 - #40	Fine Grained
- Fine	#40 - #200	
Silt-Non Plastic (Granular)	< #200	
Clay-Plastic (Cohesive)		

TABLE III

The following terms are used in classifying soils consisting of mixtures of two or more soil types. The estimate is based on weight of total sample.

Term	Percent of Total Sample
"and"	35 - 50
"some"	20 - 35
"little"	10 - 20
"trace"	less than 10

(When sampling gravelly soils with a standard split spoon, the true percentage of gravel is often not recovered due to the relatively small sampler diameter.)

TABLE IV

The relative compactness or consistency is described in accord with the following terms.			
Granular Soils		Cohesive Soils	
Term	Blows per Foot, N	Term	Blows per Foot, N
Loose	< 11	Very Soft	< 3
Firm	11 - 30	Soft	3 - 5
Compact	31 - 50	Medium	6 - 15
Very Compact	> 51	Stiff	16 - 25
		Hard	> 26

(Large particles in the soils will often significantly influence the blows per foot recorded during the Penetration Test.)

TABLE V

Varved	- Horizontal uniform layers or seams of soils
Layer	- Soil deposit more than 6" thick
Seam	- Soil deposit less than 6" thick
Parting	- Soil deposit less than 1" thick
Laminated	- Irregular, horizontal and angled seams and partings of soils

TABLE VI

Rock Classification Terms		Meaning
Term		
Hardness	Soft Medium Hard Hard Very Hard	Scratched by fingernail Scratched easily by penknife Scratched with difficulty by penknife Cannot be scratched by penknife
Weathering	Very Weathered Weathered Sound	Judged from the relative amounts of disintegration iron staining, core recovery, clay seams, etc.
Bedding	Laminated Thin bedded Bedded Thick bedded Massive	Natural breaks in Rock Layers (< 1") (1" - 4") (4" - 12") (12" - 36") (> 36")

(Fracturing refers to natural breaks in the rock oriented at some angle to the rock layers.)

GENERAL INFORMATION & KEY TO SUBSURFACE LOGS

The Subsurface Logs present the observations and mechanical data collected by the driller at the site, supplemented by laboratory visual identification of the materials recovered from the borings. The materials from the borings represent only a fraction of the total volume of the deposits at the site and may not necessarily be representative of the subsurface conditions between adjacent borings or between the sampled intervals. Analyses of standard boring data often indicate the need for additional testing or sampling procedures to better evaluate the subsurface conditions. Any evaluation of the Subsurface Logs and the recovered samples must be performed by Professionals. The information presented herein defines some of the procedures and terms used on the Subsurface Logs.

1. The figures in the Depth column define the scale of the Subsurface Log.
2. The sample column graphically shows the depth range from which a sample was recovered. See Table I for a description of the symbols used to represent various types of samples.
3. The Sample No. is used for identification on sample containers and/or Laboratory Test Reports.
4. Blows on Sampler indicate the number of blows required to drive a split spoon sampler into the soil for each six inches of penetration during the "Standard Penetration Test". The first 6 inches of penetration is considered as a seating drive. The total number of blows required for the second and third 6 inches of penetration is termed the penetration resistance, N .
5. PID - Organic vapor measurements taken with a Photoionization Detector (PID) and recorded in parts per million (ppm).
6. Symbol indicates the soil type noted at the approximate depth.
7. The recovered soil samples are reviewed in the laboratory by an engineering technician, geologist, or geotechnical engineer, unless noted otherwise. The visual descriptions are made on the basis of a combination of the driller's field descriptions and observations and the samples as received in the laboratory. The method of visual classification is based primarily on the Unified Soil Classification (ASTM D 2487) with regard to the particle size and plasticity (See Table II). Additionally, the relative portion, by weight, of two or more soil types is based on Burmister, ASTM Special Technical Publication 479, June 1970 (See Table III). The description of the relative soil density or consistency is based upon the penetration records as defined in Table IV. The description of the soil moisture is based upon relative wetness of the soils as recovered. Water introduced in the boring either naturally or during the drilling may have affected the moisture condition of the recovered samples. Special terms are used as required to describe materials in detail; several such terms are listed in Table V. When sampling gravelly soils with a standard 2-inch diameter split spoon, the true percentage of gravel is often not recovered due to the relatively small sampler diameter. The presence of boulders and large gravel is sometimes, but not necessarily, detected by an evaluation of the casing and sampler blows or through the "action" of the drill rig as reported by the driller.
8. The description of the rock is based on the recovered rock core and the driller's observations. The terms frequently used in the description are included in Table VI.
9. The stratification lines represent the approximate boundary between soil types and the transition may be gradual.
10. Miscellaneous observations and procedures noted by the driller are shown in this column, including water level observations. The reliability of the water level observations depends upon the soil type (water does not readily stabilize in a hole through fine grained soils), and that drill water used to advance the boring may have influenced the observations. The ground water level typically will fluctuate seasonally. Perched or trapped water levels may exist in the ground seasonally. All the available readings should be evaluated. If definite conclusions cannot be made, it is often prudent to examine the conditions more thoroughly through test pit excavations or water observation wells.
11. Core run is defined as the length of penetration of the core barrel. Core recovery is the length of core recovered divided by the core run. The RQD (Rock Quality Designation) is the total length of core pieces exceeding 4 inches in size divided by the core run. The size of the core barrel used is noted.

DATE

STARTED: 6-18-96FINISHED: 6-18-96

MAXIM

TECHNOLOGIES INC

SUBSURFACE LOG

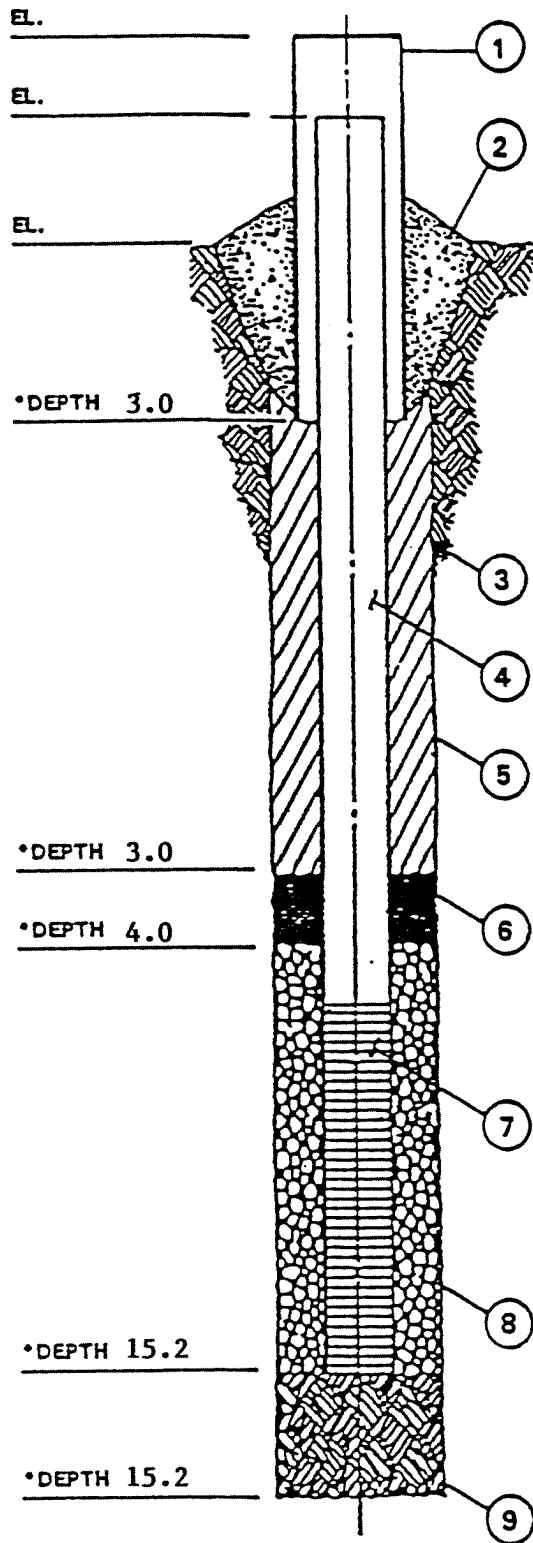
6001-6-00118

BORING NO.: MW-1SURF. ELEV.: ±SHEET 1 OF 1PROJECT: Vanadium - SKWLOCATION: SW Corner of I-190 & Route 31CLIENT: Upstate Labs / NYSPATown of Niagara, NY

DEPTH-FT.	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER						SYMBOL	SOIL OR ROCK CLASSIFICATION	NOTES
			0	6	12	18	24	N			
0		1	3	3	5	7	8			Red-Brown SILT, little Clay, tr. little sand, tr. gravel (moist-Fill)	
		2	33	24	13	40	37			Gray f-c GRAVEL and f-c Sand, tr. wood (moist-Fill)	Crushed Stone
		3	43	50				REF		Gray Gravel (moist - Ref)	Poor recovery
5				/2							
		4	23	18	18	27	36			Red-Brown SILT, little Clay, little f-c Sand, tr. gravel (moist-hard)	Move 20' west start at 6.0'
		5	15	17	20	22	37				Sample #5 spoon block - no recovery
10		6	11	7	15	17	22			Red Brown SILT, little clay, tr. f. sand (moist-stiff)	
		7	12	13	13	14	26			Brown Silt partings	
										varved	
		8	5	6	50			REF		Silt partings	
15				/2						Red-Brown SILT and f-c Sand, little Gravel, tr. clay (wet-Ref)	
										Boring completed with auger refusal at 15.7'	Install 2" PVC monitoring well
											Refer to monitoring well completion report for details
20											
25											

DRILLER: P. BenceDRILL RIG: CME - 75METHOD OF INVESTIGATION: ASTM D-1586 USING HOLLOW STEM AUGERSWEATHER: CloudyCLASSIFIED BY: J. Jones

MONITORING WELL COMPLETION REPORT



*DEPTH IN FEET BELOW GRADE

MAXIM
TECHNOLOGIES INC

WELL NO. MW-1

PROJECT NO. 6001-6-00118

DATE INSTALLED 6-18-96

PROJECT VANADIUM - SKW

1. PROTECTIVE CASING I.D. (INCHES) 4"

2. SURFACE SEAL TYPE GROUT

3. BOREHOLE DIAMETER (INCHES) 8"

4. RISER PIPE

TYPE PVC

I.D. (INCHES) 2"

LENGTH (FEET) 7.7

JOINT TYPE FLUSH THREADED

5. BACKFILL

TYPE GROUT

INSTALLATION TRIMIE

6. TYPE OF SEAL BENTONITE

7. SCREEN

TYPE PVC

I.D. (INCHES) 2"

SLOT SIZE (INCHES) 10

LENGTH 10'

8. SCREEN FILTER TYPE #1 MORIE

9. BACKFILL TYPE #1 MORIE

DATE

STARTED: 6-18-96FINISHED: 6-20-96**MAXIM**
TECHNOLOGIES INC**SUBSURFACE
LOG**

6001-6-00118

BORING NO.: MW-1DSURF. ELEV.: ±SHEET 1 OF 3PROJECT: Vanadium - SKWLOCATION: SW Corner of I-190 & Route 31CLIENT: Upstate Labs / NYSPATown of Niagara, NY

DEPTH-FT.	SAMPLE NO	BLOWS ON SAMPLER					SYMBOL	SOIL OR ROCK CLASSIFICATION	NOTES
		0	6	12	18	24			
0									
5									
10									
15	1								
	2								
20									
25	3								

Refer to MW-1 for soil description

Auger to 15.5' with 4 1/4 HSA

Auger refusal at 15.5' rock in auger, start core at 15.0'

HQ Core
Run # 1 15.0 - 15.8
REC = 85%
RQD = 0%

Gray Dolomite hard v. weathered, bedded Vugs
17.1 - 18.3 Weathered fractured zone
Void at 18.5 - 18.8

Run #2 15.8 - 24.0
REC = 100%
RQD = 83%

22.2 - 23.4 Vugs
Gray Dolomite, hard becoming sound, bedded to thick bedded
Occasional Stylotic Shale partings

DRILLER: P. BenceDRILL RIG: CME - 75METHOD OF INVESTIGATION: ASTM D-1586 USING HOLLOW STEM AUGERSWEATHER: CloudyCLASSIFIED BY: J. Jones

DATE

STARTED: 6-18-96FINISHED: 6-20-96
MAXIM
 TECHNOLOGIES INC

**SUBSURFACE
LOG**

6001-6-00118

BORING NO.: **MW-1D**SURF. ELEV.: ±SHEET 2 OF 3PROJECT: Vanadium - SKWLOCATION: SW Corner of I-190 & Route 31CLIENT: Upstate Labs / NYSPATown of Niagara, NY

DEPTH-FT.	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER						SYMBOL	SOIL OR ROCK CLASSIFICATION	NOTES
			0	6	12	18	24	N			
28										Lost drilling water at 26.5'	
										29.0' - 29.8 Vertical fractures and vugs	
										30.1 - 30.6 Stylotic Shale partings and vugs	
30										30.5 - 31.5 Vertical fracture and vugs	
										31.5 - 33.5 Fossiliferous zone, possible reef	
		4									Run #3 24.0 - 34.0 REC = 100% RQD = 70%
35											End of Run #3 bail rock hole - no water
										38.2 - 38.4 - vugs	
										42.7 - 44.0 - vugs	
		5								Gray Dolomite, hard, sound, thick bedded	Run #4 34.0 - 44.0 REC = 98% RQD = 98%
40											6/19/96 end day at 44.0
											6/20/96 - 8:00 AM Rock hole dry, no water
45											
50											

DRILLER: P. BenceDRILL RIG: CME - 75METHOD OF INVESTIGATION: ASTM D-1586 USING HOLLOW STEM AUGERSWEATHER: CloudyCLASSIFIED BY: J. Jones

DATE

STARTED: 6-18-96FINISHED: 6-20-96
MAXIM
 TECHNOLOGIES INC

**SUBSURFACE
LOG**

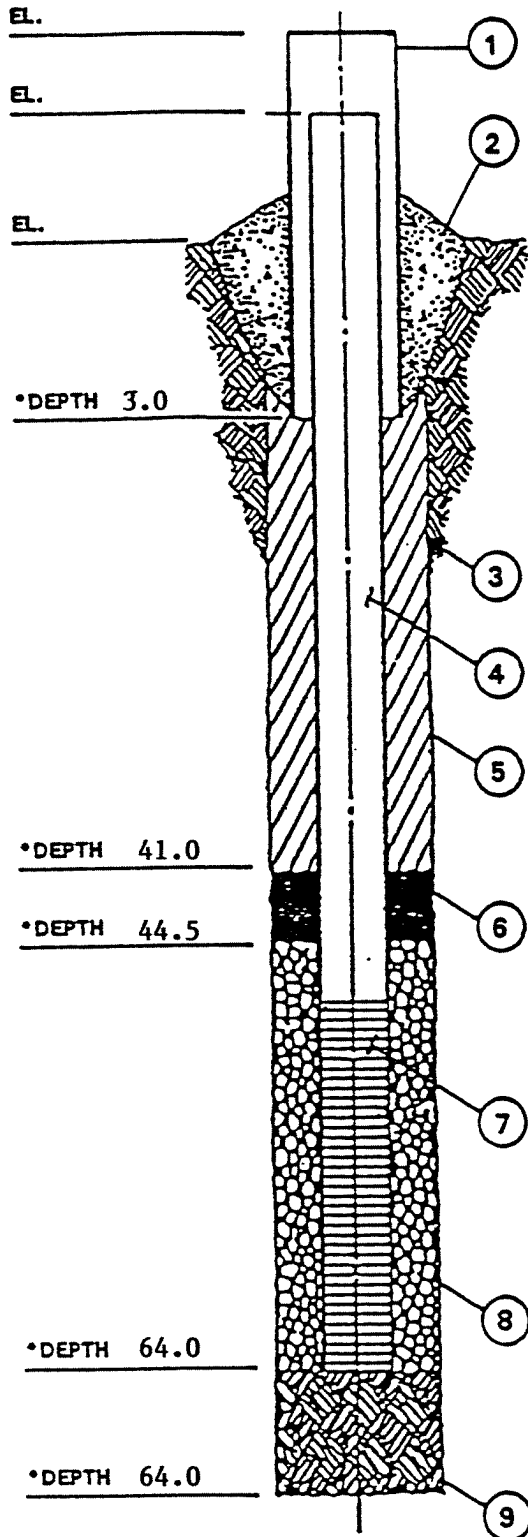
6001-6-00118

BORING NO.: MW-1DSURF. ELEV.: ±SHEET 3 OF 3PROJECT: Vanadium - SKWLOCATION: SW Corner of I-190 & Route 31CLIENT: Upstate Labs / NYSPATown of Niagara, NY

DEPTH-FT.	SAMPLES SAMPLE NO	BLOWS ON SAMPLER						SYMBOL	SOIL OR ROCK CLASSIFICATION	NOTES
		0	6	12	18	24	N			
50									51.0 - 53.2 - vugs 51.0 - 51.9 - void 52.6 - large vugs 54.0 - 55.7 - vugs	Run #5 44.0 - 54.0 REC = 91% RQD = 80%
55	6									
									61.3 - 63.2 calcite filled fractures	Run #6 54.0 - 64.0 REC = 100% RQD = 95%
60										
									Boring complete at 64.0'	end of Run #6 water level at 47.5 Bail borehole remove 2 - 3 gal water, level remains at 47.5 Install 2" PVC monitoring well Refer to monitoring well completion report for details
65										
70										
75										

DRILLER: P. BenceDRILL RIG: CME - 75METHOD OF INVESTIGATION: ASTM D-1586 USING HOLLOW STEM AUGERSWEATHER: CloudyCLASSIFIED BY: J. Jones

MONITORING WELL COMPLETION REPORT



*DEPTH IN FEET BELOW GRADE

WELL NO. MW-1D

PROJECT NO. 6001-6-00118

DATE INSTALLED 06-20-96

PROJECT VANADIUM - SKW

1. PROTECTIVE CASING I.D. (INCHES) 4"

2. SURFACE SEAL TYPE GROUT

3. BOREHOLE DIAMETER (INCHES) 8"

4. RISER PIPE

TYPE PVC

I.D. (INCHES) 2"

LENGTH (FEET) 56.5'

JOINT TYPE FLUSH THREADED

5. BACKFILL

TYPE GROUT

INSTALLATION TRIMIE

6. TYPE OF SEAL BENTONITE

7. SCREEN

TYPE PVC

I.D. (INCHES) 2"

SLOT SIZE (INCHES) 10

LENGTH 10'

8. SCREEN FILTER TYPE #1 MORIE

9. BACKFILL TYPE #1 MORIE

FINISHED: 6-18-96

CLASSIFIED BY: J. Jones

DATE

STARTED: 6-19-96FINISHED: 6-19-96

MAXIM

TECHNOLOGIES INC

SUBSURFACE LOG

6001-6-00118

BORING NO.: B-1ASURF. ELEV.: ±SHEET 1 OF 1PROJECT: Vanadium - SKWCLIENT: Upstate Labs / NYSPALOCATION: SW Corner of I-190 & Route 31Town of Niagara, NY

DEPTH-FT.	SAMPLE NO	BLOWS ON SAMPLER					SYMBOL	SOIL OR ROCK CLASSIFICATION	NOTES
		0	6	12	18	24			
0		6	12	18	24	N			
5									
10	1	47	50					White powder (moist-Fill)	
			/4						
	2	9	9	11	7	20		As above	
	3	6	7	14	18	21			
15								Gray Brown SILT, little Clay, tr. f-c sand (moist-stiff)	
	4	23	36	33	38	69		Becomes Red Brown (v. hard-moist)	
								Boring completed at 18.0'	
20									
25									
30									

DRILLER: P. BenceDRILL RIG: CME - 75METHOD OF INVESTIGATION: ASTM D-1586 USING HOLLOW STEM AUGERSWEATHER: CloudyCLASSIFIED BY: J. Jones

DATE

STARTED: 6-19-96FINISHED: 6-19-96

MAXIM

TECHNOLOGIES INC

SUBSURFACE LOG

6001-6-00118

 BORING NO.: B-2
 SURF. ELEV.: ±
 SHEET 1 OF 1
PROJECT: Vanadium - SKWLOCATION: SW Corner of I-190 & Route 31CLIENT: Upstate Labs / NYSPATown of Niagara, NY

DEPTH-FT.	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER						SYMBOL	SOIL OR ROCK CLASSIFICATION	NOTES
			0	6	12	18	24	N			
0		1	9	6	6	21	12			Brown SILT, tr. f-c sand (moist-Fill)	Fine slag
										Li Gray-white powder, some f. Slag (moist-Fill)	
		2	15	16	11	11	27				
		3	24	27	19	23	46			As above	
5											
		4	17	19	23	70	42			Lt. Gray-white powder, some f. Slag	
		5	10	16	26	70	42			Lt. Gray-white powder, tr. slag (moist-Fill)	
10		6	19	24	100			REF		As above	
					/ .4						
		7	40	50				REF		As above	
				/ .2							
		8	60	61	74	28	135				
15											
		9	14	16	8	6	24			As above	
		10	10	20	25	32	45			Red Brown SILT, little Clay, tr. f. sand (moist-hard)	
20										Red Brown SILT, little Clay, tr. f. sand	
		11	23	42	35	41	77				Boring completed at 22.0'
25											No free standing water encountered upon boring completion
30											

DRILLER: P. BenceDRILL RIG: CME - 75METHOD OF INVESTIGATION: ASTM D-1586 USING HOLLOW STEM AUGERSWEATHER: CloudyCLASSIFIED BY: J. Jones

FINISHED: 6-19-96



SUBSURFACE LOG

SHEET 1 OF 1

Town of Niagara, NY

CLASSIFIED BY: J. Jones

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Equip Blank

Lab Name: Upstate Labs Contract: _____

Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYP002

Matrix: (soil/water) WATER Lab Sample ID: 31396154

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VN128.D

Level: (low/med) LOW Date Received: 11/08/96

% Moisture: not dec. _____ Data Analyzed: 11/21/96

GC Column: _____ ID: _____ (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
75-1-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
75-15-0	Carbon Disulfide	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-33	1,1-Dichloroethane	10	U
108-5-4	Vinyl Acetate	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
74-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
7527-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-pentanone	10	U
10061-1-5	cis-1,3-Dichloropropene	10	U
108-88-3	Toluene	10	U
156-60-5	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
108-38-3	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U

000003

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Equip Blank

Lab Name: Upstate Labs Contract: _____
Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYPA02
Matrix: (soil/water) WATER Lab Sample ID: 31396154
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VN128.D
Level: (low/med) LOW Date Received: 11/08/96
% Moisture: not dec. _____ Date Analyzed: 11/21/96
GC Column: _____ ID: _____ (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: Upstate Labs Contract: _____

Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYPA02

Matrix: (soil/water) WATER Lab Sample ID: 31396155

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VN131.D

Level: (low/med) LOW Date Received: 11/08/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

GC Column: _____ ID: _____ (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
74-87-3	Chloromethane		10	U
75-1-4	Vinyl Chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
67-64-1	Acetone		10	U
75-35-4	1,1-Dichloroethene		10	U
75-15-0	Carbon Disulfide		10	U
75-09-2	Methylene Chloride		10	U
156-60-5	trans-1,2-Dichloroethene		10	U
75-34-33	1,1-Dichloroethane		10	U
108-5-4	Vinyl Acetate		10	U
78-93-3	2-Butanone		10	U
156-59-2	cis-1,2-Dichloroethene		10	U
67-66-3	Chloroform		10	U
74-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
71-43-2	Benzene		10	U
107-06-2	1,2-Dichloroethane		10	U
79-01-6	Trichloroethene		10	U
78-87-5	1,2-Dichloropropane		10	U
7527-4	Bromodichloromethane		10	U
108-10-1	4-Methyl-2-pentanone		10	U
10061-1-5	cis-1,3-Dichloropropene		10	U
108-88-3	Toluene		10	U
156-60-5	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
124-48-1	Dibromochloromethane		10	U
106-93-4	1,2-Dibromoethane		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
108-38-3	m,p-Xylene		10	U
95-47-6	o-Xylene		10	U
100-42-5	Styrene		10	U
75-25-2	Bromoform		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Trip Blank

Lab Name: Upstate Labs Contract: _____
Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYPA02
Matrix: (soil/water) WATER Lab Sample ID: 31396155
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VN131.D
Level: (low/med) LOW Date Received: 11/08/96
% Moisture: not dec. _____ Date Analyzed: 11/21/96
GC Column: _____ ID: _____ (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Equip Blank

Lab Name: Upstate Labs Contract: _____

Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYPA02

Matrix: (soil/water) WATER Lab Sample ID: 31396154

Sample wt/vol: 1000 (g/ml) ML Lab File ID: SD063.D

Level: (low/med) LOW Date Received: 11/08/96

% Moisture: _____ decanted: (Y/N) N Date Extracted: 01/12/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/04/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U
100-02-7	4-Nitrophenol	25	U
121-14-2	2,4-Dinitrotoluene	10	U

000010

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: Upstate Labs Contract: _____

Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYPA02

Matrix: (soil/water) WATER Lab Sample ID: 31396154

Sample wt/vol: 1000 (g/ml) ML Lab File ID: SD063.D

Level: (low/med) LOW Date Received: 11/08/96

% Moisture: _____ decanted: (Y/N) N Date Extracted: 01/12/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/04/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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

CAS NO.	COMPOUND	UG/L	Q
86-73-7	Fluorene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo(a)anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-81-7	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Equip Blank

Lab Name: Upstate Labs Contract: _____
Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYPA02
Matrix: (soil/water) WATER Lab Sample ID: 31396154
Sample wt/vol: 1000 (g/ml) ML Lab File ID: SD063.D
Level: (low/med) LOW Date Received: 11/08/96
% Moisture: _____ decanted: (Y/N) N Date Analyzed: 12/04/96
Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
Injection Volume: 2.0 (uL) Soil Aliquot Volume: 2 (uL)
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
------------	---------------	----	------------	---

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1
INORGANIC ANALYSIS DATA SHEET

EQBLKT

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA02

Matrix (soil/water): WATER

Lab Sample ID: 31396154

Level (low/med): LOW

Date Received: 11/08/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	50.0	U		P
7440-36-0	Antimony	12.3	B	*	P
7440-38-2	Arsenic	11.4			P
7440-39-3	Barium	50.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U	N	P
7440-70-2	Calcium	200	U		P
7440-47-3	Chromium	5.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	36.6		N*	P
7439-89-6	Iron	25.0	U		P
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium	200	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	100	U		A
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	500	U		A
7440-28-0	Thallium	1.0	U	NW	F
7440-31-5	Tin				
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	15.3	B	N	P
	Cyanide				

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: LIQ

Color After: COLORLESS

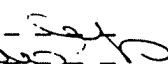
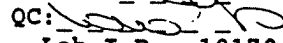
Clarity After: CLEAR

Artifacts: NO

Comments:

DATE: 01/20/97

Upstate Laboratories, Inc.
Analysis Results
Report Number: 31396153
Client I.D.: NYPA-LEWISTON
Sampled by: ULI

APPROVAL: 
QC: 
Lab I.D.: 10170

VANADIUM SKW-
GROUNDWATER EQUIPMENT BLANK 1045H 11/07/96 G

ULI I.D.: 31396154

Matrix: Water

PARAMETERS

RESULTS

DATE ANAL.

KEY

FILE#

pH

6.3SU

11/08/96

17

WB358

Hexavalent Chromium

<0.01mg/l

11/08/96

WB517

000016

Quality Control Data

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Upstate Labs Contract: _____
 Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYPA02

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VMBS	101	101	101	0
02	VBLK	104	111*	112	1
03	MW-1B	117	123*	121*	2
04	EQUIP BLANK	103	107	106	0
05	MW-1B MS	114	113*	111	1
06	MW-1B MSD	110	108	109	0
07	TRIP BLANK	116	118*	116*	2

SMC1	= Dibromofluoromethane	QC LIMITS (86-118)
SMC2	= Toluene-d8	(88-110)
SMC3	= Bromofluorobenzene	(86-115)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Upstate Labs Contract: _____
Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYP02

	EPA SAMPLE NO.	S1 (FBP) #	S2 (PHL) #	S3 (2CP) #	S4 (DCB) #	S5 (NBZ) #	S6 (FBP) #	S7 (TBP) #	S8 (TPH) #	TOT OUT
01	SVBLK	68	75	53	52	79	80	63	83	0
02	SVMBS	101	80	83	75	79	97	92	106	0
03	MW-1B MS	83	101	70	69	106	101	100	109	0
04	MW-1B MSD	89	102	70	73	123*	99	110	104	1
05	MW-1B	86	89	59	64	64	85	88	88	0
06	EQUIP BLANK	73	82	59	55	50	78	82	110	0

QC LIMITS

S1 (FBP)	=	2-Fluorophenol	(43-116)
S2 (PHL)	=	Phenol-d5	(10-110)
S3 (2CP)	=	2-Chlorophenol-d4	(33-110)
S4 (DCB)	=	1,2-Dichlorobenzene-d4	(16-110)
S5 (NBZ)	=	Nitrobenzene-d5	(35-114)
S6 (FBP)	=	2-Fluorobiphenyl	(43-116)
S7 (TBP)	=	2,4,6-Tribromophenol	(10-123)
S8 (TPH)	=	Terphenyl-d14	(33-141)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

000019

3A2
WATER VOLATILE MATRIX SPIKE BLANK RECOVERY

Lab Name: UPSTATE LABORATORIES, INC. Contract: NA Sample No.: VMBS
 Lab Code: 10170 CAS No.: NA SAS No.: NA SDG No.: NYP02
 Matrix Spike - Sample No.: VBLK Level (low/med) LOW

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC. LIMITS REC.
1,1-Dichloroethene	50	0	62	124	61-145
Benzene	50	0	59	118	76-127
Trichloroethene	50	0	58	116	71-120
Toluene	50	0	57	114	76-125
Chlororbenzene	50	0	59	118	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

3D2
SOIL SEMIVOLATILE MATRIX SPIKE BLANK RECOVERY

Lab Name: UPSTATE LABORATORIES, INC.

Contract: _____

Lab Code: 10170 Case No.: _____

SAS No.: _____

SDG No.: NYPA02

Matrix Spike - EPA Sample No.: SVBLK

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC. LIMITS REC.
Phenol	50	0	47	94	26 - 90
2-Chlorophenol	50	0	55	110	25 - 102
1,4-Dichlorobenzene	50	0	31	62	28 - 104
N-Nitroso-di-n-propylamine	50	0	27	54	41 - 126
1,2,4-Trichlorobenzene	50	0	37	74	38 - 107
4-Chloro-3-methylphenol	50	0	53	106	26 - 103
Acenaphthene	50	0	37	74	31 - 137
4-Nitrophenol	50	0	13	26	11 - 114
2,4-Dinitrotoluene	50	0	41	82	28 - 89
Pentachlorophenol	50	0	72	144	17 - 109
Pyrene	50	0	46	92	35 - 142

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

Comments: _____

ENVIROFORMS/INORGANIC CLP

7
LABORATORY CONTROL SAMPLE

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA02

Solid LCS Source: ERA

Aqueous LCS Source: ENV. EXPRESS

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum	4000.0	3251.46	81.3					
Antimony	4000.0	3495.10	87.4					
Arsenic	4000.0	3521.82	88.0					
Barium	4000.0	3578.00	89.4					
Beryllium	4000.0	3516.70	87.9					
Cadmium	4000.0	3335.18	83.4					
Calcium	4000.0	3607.72	90.2					
Chromium	4000.0	3476.50	86.9					
Cobalt	4000.0	3389.82	84.7					
Copper	4000.0	3682.23	92.1					
Iron	4000.0	3441.58	86.0					
Lead	4000.0	3357.70	83.9					
Magnesium	4000.0	3449.02	86.2					
Manganese	4000.0	3435.28	85.9					
Mercury								
Nickel	4000.0	3369.27	84.2					
Potassium	40000.0	36560.00	91.4					
Selenium	4000.0	3389.26	84.7					
Silver	4000.0	2187.12	54.7					
Sodium	50000.0	45980.00	92.0					
Thallium	20.0	20.75	103.8					
Tin								
Vanadium	4000.0	3486.57	87.2					
Zinc	4000.0	3257.68	81.4					
Cyanide								

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Upstate Labs Contract: _____
 Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYP A02
 Matrix Spike - EPA Sample No.: MW-1B

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	62	124	61- 145
Benzene	50	0.0	59	118	76- 127
Trichloroethene	50	0.0	58	116	71- 120
Toluene	50	0.0	57	114	76- 125
Chlorobenzene	50	0.0	59	118	75- 130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,1-Dichloroethene	50	57	114	8	14	61- 145
Benzene	50	56	112	5	11	76- 127
Trichloroethene	50	55	110	5	14	71- 120
Toluene	50	54	108	5	13	76- 125
Chlorobenzene	50	54	108	9	13	75- 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3C
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Upstate Labs Contract: _____
 Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYPA02
 Matrix Spike - EPA Sample No.: MW-1B

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	75	0.0	47	63	12- 110
2-Chlorophenol	75	0.0	51	68	27- 123
1,4-Dichlorobenzene	50	0.0	28	56	36- 97
N-Nitroso-di-n-propylamine	50	0.0	20	40 *	41- 116
1,2,4-Trichlorobenzene	50	0.0	20	40	39- 98
4-Chloro-3-methylphenol	75	0.0	54	72	23- 97
Acenaphthene	50	0.0	40	80	46- 118
4-Nitrophenol	75	0.0	12	16	10- 80
2,4-Dinitrotoluene	50	0.0	45	90	24- 96
Pentachlorophenol	75	0.0	75	100	9- 103
Pyrene	50	0.0	51	102	26- 127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Phenol	75	50	67	6	42	12- 110
2-Chlorophenol	75	51	68	0	40	27- 123
1,4-Dichlorobenzene	50	30	60	7	28	36- 97
N-Nitroso-di-n-propylamine	50	13	26 *	42 *	38	41- 116
1,2,4-Trichlorobenzene	50	34	68	52 *	28	39- 98
4-Chloro-3-methylphenol	75	57	76	5	42	23- 97
Acenaphthene	50	43	86	7	31	46- 118
4-Nitrophenol	75	13	17	6	50	10- 80
2,4-Dinitrotoluene	50	46	92	2	38	24- 96
Pentachlorophenol	75	76	101	1	50	9- 103
Pyrene	50	52	104	2	31	26- 127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 2 out of 11 outside limits

Spike Recovery: 2 out of 22 outside limits

COMMENTS: _____

ENVIROFORMS/INORGANIC CLP

5A
SPIKE SAMPLE RECOVERY

SAMPLE NO.

W-01BTS

Lab Name: Upstate Laboratories, Inc Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA02

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	1940.8600	50.0000 U	2000.00	97.0	-	P
Antimony	75-125	437.4400	42.4000	500.00	79.0	-	P
Arsenic	75-125	1694.9750	17.9150	2000.00	83.9	-	P
Barium	75-125	1756.6950	50.0000 U	2000.00	87.8	-	P
Beryllium	75-125	41.6750	1.0000 U	50.00	83.4	-	P
Cadmium	75-125	37.6700	1.7700 B	50.00	71.8	N	P
Calcium							
Chromium	75-125	170.3750	5.0000 U	200.00	85.2	-	NR
Cobalt	75-125	396.9500	10.0000 U	500.00	79.4	-	P
Copper	75-125	256.6050	111.8700	250.00	57.9	N	P
Iron	75-125	902.4600	103.6600	1000.00	79.9	-	P
Lead	75-125	381.2350	1.0000 U	500.00	76.2	-	P
Magnesium							
Manganese	75-125	433.4550	31.4050	500.00	80.4	-	NR
Mercury	75-125	0.8820	0.2000 U	1.00	88.2	-	CV
Nickel	75-125	404.2300	20.0000 U	500.00	80.8	-	P
Potassium							
Selenium	75-125	1609.7700	5.0000 U	2000.00	80.5	-	NR
Silver	75-125	46.6150	5.0000 U	50.00	93.2	-	P
Sodium							
Thallium	75-125	31.1000	1.0000 U	50.00	62.2	N	NR
Tin							
Vanadium	75-125	419.5150	20.0000 U	500.00	83.9	-	NR
Zinc	75-125	963.2750	635.4850	500.00	65.6	N	P
Cyanide							NR

Comments:

ENVIROFORMS/INORGANIC CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

W-01BTA

Lab Name: Upstate Laboratories, Inc Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA02

Matrix (soil/water): WATER

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR)	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium		12.15	1.77	10.0	103.8		P
Calcium							NR
Chromium							NR
Cobalt							NR
Copper		516.40	111.87	400.0	101.1		P
Iron							NR
Lead							NR
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Tin							NR
Vanadium							NR
Zinc		1946.65	635.48	1400.0	93.7		P
Cyanide							NR

Comments:

ENVIROFORMS/INORGANIC CLP

6
DUPLICATES

SAMPLE NO.

W-01BTD

Lab Name: Upstate Laboratories, Inc Contract:

Lab Code: 10170 Case No.: SAS No.: SDG No.: NYPA02

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		50.0000	U	88.4700	B	200.0	-	P
Antimony	15.0	42.4000	-	20.9350	-	67.8	*	P
Arsenic	10.0	17.9150	-	16.2400	-	9.8	-	P
Barium		50.0000	U	50.0000	U		-	P
Beryllium		1.0000	U	1.0000	U		-	P
Cadmium		1.7700	B	1.0000	U	200.0	-	P
Calcium		167289.6700	-	167849.0900	-	0.3	-	P
Chromium		5.0000	U	5.0000	U		-	P
Cobalt		10.0000	U	10.0000	U		-	P
Copper	25.0	111.8700	-	56.7500	-	65.4	*	P
Iron	100.0	103.6600	-	103.6050	-	0.1	-	P
Lead		1.0000	U	1.0000	U		-	P
Magnesium		39927.2450	-	40247.9300	-	0.8	-	P
Manganese	15.0	31.4050	-	31.5750	-	0.5	-	P
Mercury		0.2000	U	0.2000	U		-	CV
Nickel		20.0000	U	20.0000	U		-	P
Potassium		1849.0000	B	1772.0000	B	4.3	-	A
Selenium		5.0000	U	5.0000	U		-	P
Silver		5.0000	U	5.0000	U		-	P
Sodium		26780.0000	-	27090.0000	-	1.2	-	A
Thallium		1.0000	U	1.0000	U		-	F
Tin							-	
Vanadium		20.0000	U	20.0000	U		-	P
Zinc		635.4850	-	618.4900	-	2.7	-	P
Cyanide							-	

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK

Lab Name: Upstate Labs Contract: _____

Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYP A02

Lab File ID: VN126.D Lab Sample ID: METHOD BLANK

Date Analyzed: 11/21/96 Time Analyzed: 15:04

GC Column: _____ ID: _____ (mm) Heated Purge: (Y/N) N

Instrument ID: 12

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VMBS	REF.SAMP.	VN125.D	14:21
02	MW-1B	31396153	VN127.D	16:15
03	EQUIP BLANK	31396154	VN128.D	16:59
04	MW-1B MS	31396153MS	VN129.D	17:43
05	MW-1B MSD	31396153MSD	VN130.D	18:26
06	TRIP BLANK	31396155	VN131.D	19:10

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: Upstate Labs Contract: VBLK

Lab Code: 10170 Case No.: 1 SAS No.: SDG No.: NYP02

Matrix: (soil/water) WATER Lab Sample ID: METHOD BLA

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VN126.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/21/96

GC Column: ID: (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
74-87-3	Chloromethane	10	U	
75-1-4	Vinyl Chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
67-64-1	Acetone	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-15-0	Carbon Disulfide	10	U	
75-09-2	Methylene Chloride	10	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
75-34-33	1,1-Dichloroethane	10	U	
108-5-4	Vinyl Acetate	10	U	
78-93-3	2-Butanone	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
67-66-3	Chloroform	10	U	
74-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
71-43-2	Benzene	10	U	
107-06-2	1,2-Dichloroethane	10	U	
79-01-6	Trichloroethene	10	U	
78-87-5	1,2-Dichloropropane	10	U	
7527-4	Bromodichloromethane	10	U	
108-10-1	4-Methyl-2-pentanone	10	U	
10061-1-5	cis-1,3-Dichloropropene	10	U	
108-88-3	Toluene	10	U	
156-60-5	trans-1,3-Dichloropropene	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
106-93-4	1,2-Dibromoethane	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
108-38-3	m,p-Xylene	10	U	
95-47-6	o-Xylene	10	U	
100-42-5	Styrene	10	U	
75-25-2	Bromoform	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK

Lab Name: Upstate Labs Contract: _____
Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYPA02
Matrix: (soil/water) WATER Lab Sample ID: METHOD BLA
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VN126.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. _____ Date Analyzed: 11/21/96
GC Column: _____ ID: _____ (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
---------	----------	----	------------	---

48
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SVBLK

Lab Name: Upstate Labs Contract: _____

Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYP02

Lab File ID: SD058.D Lab Sample ID: Method Blank

Instrument ID: 15 Date Extracted: 11/12/96

Matrix: (soil/water) WATER Date Analyzed: 12/04/96

Level: (low/med) LOW Time Analyzed: 10:29

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SVMBS	BLANK SPIKE	SD059.D	12/04/96
02	MW-1B MS	31396153MS	SD060.D	12/04/96
03	MW-1B MSD	31396153MSD	SD061.D	12/04/96
04	MW-1B	31396153	SD062.D	12/04/96
05	EQUIP BLANK	31396154	SD063.D	12/04/96

COMMENTS:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SVBLK

Lab Name: Upstate Labs Contract: _____
 Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYP002
 Matrix: (soil/water) WATER Lab Sample ID: Method Blank
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: SD058.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 11/12/96
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/04/96
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U
100-02-7	4-Nitrophenol	25	U
121-14-2	2,4-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SVBLK

Lab Name: Upstate Labs Contract: _____

Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYP02

Matrix: (soil/water) WATER Lab Sample ID: Method Blank

Sample wt/vol: 1000 (g/ml) ML Lab File ID: SD058.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/12/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/04/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

86-73-7	Fluorene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo(a)anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-81-7	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SVBLK

Lab Name: Upstate Labs Contract: _____
Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYP02
Matrix: (soil/water) WATER Lab Sample ID: Method Blank
Sample wt/vol: 1000 (g/ml) ML Lab File ID: SD058.D
Level: (low/med) LOW Date Received: _____
% Moisture: _____ decanted: (Y/N) N Date Analyzed: 12/04/96
Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
Injection Volume: 2.0 (uL) Soil Aliquot Volume: 2 (uL)
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	2.71	12	J
2.	unknown	2.89	3	J
3.	unknown	3.57	3	J
4.	unknown	3.71	3	J
5. 000620-14-4	Benzene, 1-ethyl-3-methyl-	3.90	6	JN

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: Upstate Laboratories, Inc

Contract:

Lab Code: 10170

Case No.:

SAS No.:

SDG No.: NYPA02

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L) C		Continuing Calibration Blank (ug/L)						Preparation Blank C		M
	1	C	2	C	3	C					
Aluminum	50.0	U	50.0	U	50.0	U			50.000	U	P
Antimony	10.0	U	10.0	U	10.0	U			10.000	U	P
Arsenic	5.0	U	5.0	U	5.0	U			5.000	U	P
Barium	50.0	U	50.0	U	50.0	U			50.000	U	P
Beryllium	1.0	U	1.0	U	1.0	U			1.000	U	P
Cadmium	1.0	U	1.0	U	1.0	U			1.000	U	P
Calcium	200.0	U	200.0	U	200.0	U			200.000	U	P
Chromium	5.0	U	5.0	U	5.0	U			5.000	U	P
Cobalt	10.0	U	10.0	U	10.0	U			10.000	U	P
Copper	10.0	U	10.0	U	10.0	U			10.000	U	P
Iron	25.0	U	25.0	U	25.0	U			25.000	U	P
Lead	1.0	U	-1.0	B	1.0	U			1.000	U	P
Magnesium	200.0	U	200.0	U	200.0	U			200.000	U	P
Manganese	10.0	U	10.0	U	10.0	U			10.000	U	P
Mercury	0.2	U	0.2	U					0.200	U	CV
Nickel	20.0	U	20.0	U	20.0	U			20.000	U	P
Potassium	100.0	U	100.0	U					100.000	U	A
Selenium	5.0	U	5.0	U	5.0	U			131.010	U	P
Silver	5.0	U	5.0	U	5.0	U			5.000	U	P
Sodium	500.0	U	500.0	U					500.000	U	A
Thallium	-1.1	B	-1.8	B	-1.2	B			1.000	U	F
Tin											
Vanadium	20.0	U	20.0	U	20.0	U			20.000	U	P
Zinc	10.0	U	10.0	U	10.0	U			10.000	U	P
Cyanide											

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: Upstate Laboratories, Inc Contract:
Lab Code: 10170 Case No.: SAS No.: SDG No.: NYPA02
Preparation Blank Matrix (soil/water): WATER
Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium	1.0	U	1.0	U							P
Calcium											
Chromium											
Cobalt											
Copper	10.0	U	10.0	U							P
Iron											
Lead											
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Thallium											
Tin											
Vanadium											
Zinc	10.0	U	10.0	U							P
Cyanide											

Upstate Laboratories, Inc.

Quality Control Report

Date: 1-2-96 File: M024-10

Client: New York Power Authority, Lewiston
Project: Vanadium SKW - Groundwater

Parameter: Wet Chemistry
Matrix: Groundwater

Reference Sample & Matrix Spike

Parameter	File No.	Reference Sample (mg/l)				Matrix Spike (mg/l)					
		Spike Added	RS Conc.	% Rec.	Control Limits (1)	Sample Spiked	Spike Added	Sample Result	MS Conc.	% Rec.	Control Limits (1)
Alkalinity	WB5215	42.6	45.38	107	76-127	-	-	-	-	-	-
Chloride	WB5185	37.0	35.7	96	84-124	31396153	40.0	37.3	77.6	101	70-160
Hexavalent Chromium	WB5174	0.69	0.65	94	90-110	31396153	0.5	<0.01	0.5	100	90-110
Sulfate	WB5177	20	21	105	69-115	31396153	40	380	430	125	30-162

Duplicate & Method Blank

Parameter	File No.	Duplicate (mg/l)					Method Blank	
		Sample Duplicated	Sample Result	Duplicate Result	RPD %	Control Limits (1)	Result mg/l	PQL mg/l
Alkalinity	WB5215	31396153	320	334	4	20	-	-
Chloride	WB5185	31396153	37.3	36.6	2	20	-	-
Hexavalent Chromium	WB5174	31396153	<0.01	<0.01	-	10	<0.01	0.01
Sulfate	WB5177	31396153	380	410	8	10	<5	5

(1) ULI In-house control limits

000037

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Upstate Labs Contract: _____
 Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYPA02
 Lab File ID (Standard): VN124.D Date Analyzed: 11/21/96
 Instrument ID: 12 Time Analyzed: 13:38
 GC Column: _____ ID: _____ (mm) Heated Purge (Y/N): Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1395039	8.99	970239	12.49	815966	20.01
UPPER LIMIT	2790078	8.49	1940478	11.99	1631932	19.51
LOWER LIMIT	697520	9.49	485120	12.99	407983	20.51
EPA SAMPLE NO.						
01 VMBS	1361404	8.95	921199	12.48	741187	20.01
02 VBLK	1450762	9.00	980370	12.50	812035	20.01
03 MW-1B	1281265	8.95	883086	12.50	707779	20.01
04 EQUIP BLAN	475975 *	9.00	325380 *	12.50	258548 *	20.02
05 MW-1B MS	426350 *	9.00	306454 *	12.52	244329 *	20.01
06 MW-1B MSD	445702 *	8.98	311115 *	12.50	246223 *	20.02
07 TRIP BLANK	404208 *	9.00	286710 *	12.50	230332 *	20.00

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5
 IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Upstate Labs Contract: _____
 Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYP02
 Lab File ID (Standard): VN124.D Date Analyzed: 11/21/96
 Instrument ID: 12 Time Analyzed: 13:38
 GC Column: _____ ID: _____ (mm) Heated Purge (Y/N): Y

	IS4					
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	683096	25.09				
UPPER LIMIT	1366192	24.59				
LOWER LIMIT	341548	25.59				
EPA SAMPLE NO.						
01 VMBS	642649	25.09				
02 VBLK	676551	25.09				
03 MW-1B	605357	25.11				
04 EQUIP BLAN	212608*	25.09				
05 MW-1B MS	204932*	25.11				
06 MW-1B MSD	202737*	25.09				
07 TRIP BLANK	188761*	25.09				

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5
 IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Upstate Labs Contract: _____
 Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYPA02
 Lab File ID (Standard): SD057.D Date Analyzed: 12/04/96
 Instrument ID: 15 Time Analyzed: 09:57

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	70773	4.40	285110	5.87	187147	8.40
UPPER LIMIT	141546	3.90	570220	5.37	374294	7.90
LOWER LIMIT	35387	4.90	142555	6.37	93574	8.90
EPA SAMPLE NO.						
01 SVBLK	109043	4.42	458778	6.16	210707	8.47
02 SVMBS	126901	4.42	535053	5.89	287616	8.40
03 MW-1B MS	98237	4.42	371141	5.92	188233	8.42
04 MW-1B MSD	73862	4.41	278542	5.95	143408	8.43
05 MW-1B	74403	4.42	301603	6.14	166828	8.47
06 EQUIP BLAN	63321	4.41	233556	5.89	139411	8.48

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Upstate Labs Contract: _____
 Lab Code: 10170 Case No.: 1 SAS No.: _____ SDG No.: NYPA02
 Lab File ID (Standard): SD057.D Date Analyzed: 12/04/96
 Instrument ID: 15 Time Analyzed: 09:57

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	331704	11.00	240236	16.16	213638	18.80
UPPER LIMIT	663408	10.50	480472	15.66	427276	18.30
LOWER LIMIT	165852	11.50	120118	16.66	106819	19.30
EPA SAMPLE NO.						
01 SVBLK	414359	11.06	371912	16.22	379782	18.84
02 SVMBS	518234	11.01	441083	16.21	447119*	18.84
03 MW-1B MS	369457	11.01	298413	16.22	274450	18.82
04 MW-1B MSD	282694	11.02	241935	16.23	223704	18.83
05 MW-1B	338910	11.04	341572	16.19	281301	18.81
06 EQUIP BLAN	275185	11.08	206034	16.28	197530	18.87

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 * Values outside of contract required QC limits

Field Data

Upstate Laboratories, Inc.
6034 Corporate Drive • E. Syracuse, NY 13057-1017
(315) 437 0255 Fax 437 1209

Chain of Custody Record

[illegible]

Special Laboratories, Inc.

Groundwater Field Log

File: TS-30-01

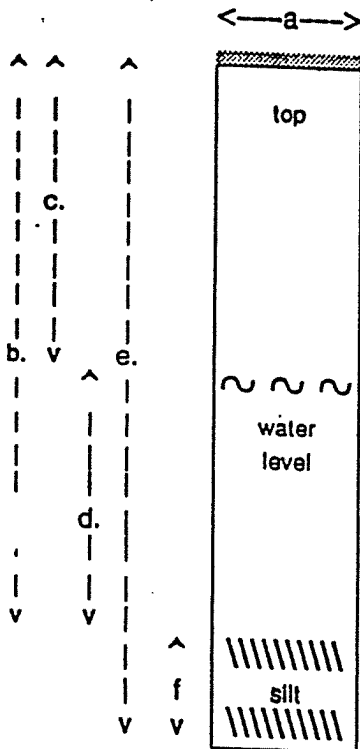
Revised: 7/94

Client: NYPA @ Lewiston
 Project: Vanadium SKW
 Well ID: AW-1 (MW-1A by DEC)

ULI ID No. (entered by lab)

Condition of Well: Good/New
 Method of Evacuation: Bailer
 Method of Sampling: Bailer

Locked: yes no
 Lock ID: 3232



a. Diameter 2" Inches
 b. Well Depth Measured _____ feet
 c. Depth to Water _____ feet
 d. Length of Water Column (calculated) _____ feet
 Conversion Factor _____
 Well Volume (calculated) _____ gallons
 No. of Volumes to be Evacuated _____
 Total Volume to be Evacuated _____ gallons
 Actual Volume Evacuated _____ gallons
 e. Installed Well Depth (if known) _____ feet
 f. Depth of Silt (calculated) _____ feet

Field Measurements:

	Initial Evacuation	Final Sampling	Units
date			-
time			-
EH			mV
temperature			define
pH			std. units
specific conductivity			umhos/cm
turbidity			NTU
appearance			-

% Recharge:

Initial Depth to Water _____ feet
 Recharge Depth to Water _____ feet
 2nd water column height _____ %
 1st water column height _____

Weather: overcast; wind picking up from West
 observations: 60°F
per NYSDOE this well is dry -
confirmed dry.

Sampler: KM Frazee
 Signature: KM Frazee

000043

Special Lab Services, Inc. Groundwater Field Log

File: TS-30-01

Revised: 7/94

Client: NYPA e Lewiston

Project: Vanadium SKW

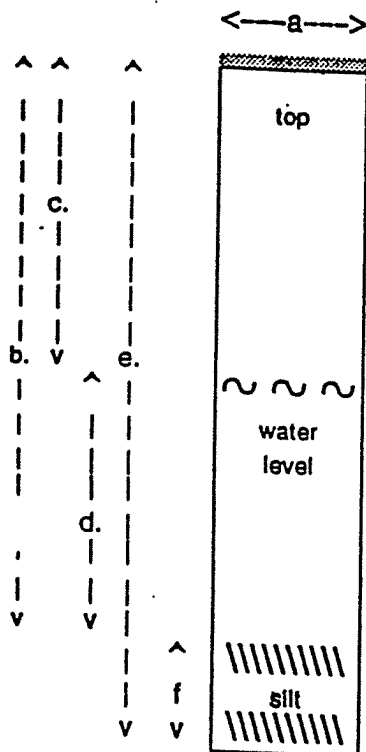
Well ID: mw-13 (DEC design) Well No. (entered by lab) _____

Condition of Well: Good / New

Method of Evacuation: Bailer

Method of Sampling: Bailer

Locked: yes no
Lock ID: Y 3232



a. Diameter 2" Inches
b. Well Depth Measured by NYSDOL 67.7 from riser. feet
c. Depth to Water by NYSDOL 53.01 from riser feet
d. Length of Water Column (calculated) 14.69 feet
Conversion Factor .16 -
Well Volume (calculated) 2.35 gallons
No. of Volumes to be Evacuated 3 -
Total Volume to be Evacuated 7.05 gallons
Actual Volume Evacuated 7.0+ gallons
e. Installed Well Depth (if known) _____ feet
f. Depth of Silt (calculated) _____ feet

Field Measurements:

	Initial Evacuation	Final Sampling	Units
date	<u>11/7/96</u>	<u>11/7/96</u>	-
time	<u>8:52 9:25</u>	<u>9:40 10:30</u>	-
EH	<u>155 170</u>	<u>160 180</u>	mV
temperature	<u>13°C 12</u>	<u>12 15</u>	define
pH	<u>7.5 7.2</u>	<u>7.3 7.3</u>	std. units
specific conductivity	<u>490 1000</u>	<u>1000 1000</u>	umhos/cm
turbidity	<u>5.2 10</u>	<u>10 2</u>	NTU
appearance	<u>clear chg</u>	<u>clear sample</u>	-

% Recharge:

Initial Depth to Water _____ feet
Recharge Depth to Water _____ feet
2nd water column height _____ %
1st water column height _____

Weather: overcast; wind picking up from West
Observations: 60°F

Sampler: KM Fregelette
Signature: KM Fregelette

Muller Hinton from NYSDOL on site
SPH Sample w/ DEC