

Report Date:
18-Jan-12 15:28



- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

Dvirka & Bartilucci
330 Crossways Park Drive
Woodbury, NY 11797

Work Order: K2740
Project : Active Industrial
Project #:

Attn: Robbin Petrella

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
K2740-01	MW-101	Aqueous	27-Dec-11 09:45	30-Dec-11 10:00
K2740-02	MW-102	Aqueous	27-Dec-11 10:15	30-Dec-11 10:00
K2740-03	MW-103	Aqueous	27-Dec-11 10:45	30-Dec-11 10:00
K2740-04	MW-105	Aqueous	27-Dec-11 11:15	30-Dec-11 10:00
K2740-05	MW-107	Aqueous	27-Dec-11 11:45	30-Dec-11 10:00
K2740-06	MW-106	Aqueous	27-Dec-11 12:15	30-Dec-11 10:00
K2740-07	MW-104	Aqueous	27-Dec-11 13:15	30-Dec-11 10:00
K2740-08	MW-5S	Aqueous	27-Dec-11 13:45	30-Dec-11 10:00
K2740-09	MW-108	Aqueous	27-Dec-11 14:15	30-Dec-11 10:00
K2740-10	MW-X	Aqueous	27-Dec-11 00:00	30-Dec-11 10:00
K2740-11	MW-Y	Aqueous	27-Dec-11 00:00	30-Dec-11 10:00
K2740-12	MW-109	Aqueous	28-Dec-11 09:00	30-Dec-11 10:00
K2740-13	MW-111	Aqueous	28-Dec-11 10:15	30-Dec-11 10:00
K2740-14	MW-2S	Aqueous	28-Dec-11 11:15	30-Dec-11 10:00
K2740-15	RW-2	Aqueous	28-Dec-11 12:20	30-Dec-11 10:00
K2740-16	INFLUENT	Aqueous	29-Dec-11 15:05	31-Dec-11 08:40
K2740-17	EFFLUENT	Aqueous	29-Dec-11 15:15	31-Dec-11 08:40

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Mitkem Laboratories.

All applicable NELAC or USEPA CLP requirements have been met.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and is certified by several States, as well as USEPA and US Department of Defense. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.mitkem.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033



Authorized by:

Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

*** Data Summary Pack ***

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation Sample Identification and Analytical Requirements Summary

Project Name : Active Industrial

SDG : K2740

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
MW-101	K2740-01	E624				
MW-102	K2740-02	E624				
MW-103	K2740-03	E624				
MW-105	K2740-04	E624				
MW-107	K2740-05	E624				
MW-106	K2740-06	E624				
MW-104	K2740-07	E624				
MW-5S	K2740-08	E624				
MW-108	K2740-09	E624				
MW-X	K2740-10	E624				
MW-Y	K2740-11	E624				
MW-109	K2740-12	E624				
MW-111	K2740-13	E624				
MW-2S	K2740-14	E624				
RW-2	K2740-15	E624				
INFLUENT	K2740-16	E624			SW6010_W	
INFLUENT	K2740-16				SW7470	
EFFLUENT	K2740-17	E624			SW6010_W	
EFFLUENT	K2740-17				SW7470	

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation Sample Preparation and Analysis Summary MSVOA

Project Name : Active Industrial

SDG : K2740

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
E624					
K2740-01A	AQ	12/27/2011	12/30/2011	NA	1/4/2012
K2740-02A	AQ	12/27/2011	12/30/2011	NA	1/4/2012
K2740-03A	AQ	12/27/2011	12/30/2011	NA	1/4/2012
K2740-04A	AQ	12/27/2011	12/30/2011	NA	1/4/2012
K2740-05A	AQ	12/27/2011	12/30/2011	NA	1/4/2012
K2740-06A	AQ	12/27/2011	12/30/2011	NA	1/4/2012
K2740-07A	AQ	12/27/2011	12/30/2011	NA	1/4/2012
K2740-08A	AQ	12/27/2011	12/30/2011	NA	1/4/2012
K2740-09A	AQ	12/27/2011	12/30/2011	NA	1/4/2012
K2740-10A	AQ	12/27/2011	12/30/2011	NA	1/4/2012
K2740-11A	AQ	12/27/2011	12/30/2011	NA	1/4/2012
K2740-12A	AQ	12/28/2011	12/30/2011	NA	1/4/2012
K2740-13A	AQ	12/28/2011	12/30/2011	NA	1/4/2012
K2740-14A	AQ	12/28/2011	12/30/2011	NA	1/4/2012
K2740-14ADL	AQ	12/28/2011	12/30/2011	NA	1/5/2012
K2740-15A	AQ	12/28/2011	12/30/2011	NA	1/4/2012
K2740-16A	AQ	12/29/2011	12/31/2011	NA	1/4/2012
K2740-17A	AQ	12/29/2011	12/31/2011	NA	1/4/2012

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation Sample Preparation and Analysis Summary MSVOA

Project Name : Active Industrial

SDG : K2740

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
E624					
K2740-01A	AQ	E624	NA	LOW	1
K2740-02A	AQ	E624	NA	LOW	1
K2740-03A	AQ	E624	NA	LOW	1
K2740-04A	AQ	E624	NA	LOW	1
K2740-05A	AQ	E624	NA	LOW	1
K2740-06A	AQ	E624	NA	LOW	1
K2740-07A	AQ	E624	NA	LOW	1
K2740-08A	AQ	E624	NA	LOW	1
K2740-09A	AQ	E624	NA	LOW	1
K2740-10A	AQ	E624	NA	LOW	1
K2740-11A	AQ	E624	NA	LOW	1
K2740-12A	AQ	E624	NA	LOW	1
K2740-13A	AQ	E624	NA	LOW	1
K2740-14A	AQ	E624	NA	LOW	1
K2740-14ADL	AQ	E624	NA	LOW	4
K2740-15A	AQ	E624	NA	LOW	1
K2740-16A	AQ	E624	NA	LOW	1
K2740-17A	AQ	E624	NA	LOW	1

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation Sample Preparation and Analysis Summary ME

Project Name : Active Industrial

SDG : K2740

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_W				
K2740-16B	AQ	SW6010_W	12/31/2011	1/5/2012
K2740-17B	AQ	SW6010_W	12/31/2011	1/5/2012
SW7470				
K2740-16B	AQ	SW7470	12/31/2011	1/11/2012
K2740-17B	AQ	SW7470	12/31/2011	1/11/2012

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: K2740

Client ID: DVIRKA_WOODBURY

Project: Active Industrial

WO Name: Active Industrial

Location: ACTIVE_INDUSTRIAL,

Comments: N/A

Case:

SDG:

HC Due: 01/19/12

Fax Due:

Fax Report: ☐

Report Level: ASP-B

Special Program:

EDD: EQUIS_4_NYSDEC

PO: 152125

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
K2740-01A	MW-101	12/27/2011 09:45	12/30/2011	Aqueous	E624	/				Y	VOA
K2740-02A	MW-102	12/27/2011 10:15	12/30/2011	Aqueous	E624	/				Y	VOA
K2740-03A	MW-103	12/27/2011 10:45	12/30/2011	Aqueous	E624	/				Y	VOA
K2740-04A	MW-105	12/27/2011 11:15	12/30/2011	Aqueous	E624	/				Y	VOA
K2740-05A	MW-107	12/27/2011 11:45	12/30/2011	Aqueous	E624	/				Y	VOA
K2740-06A	MW-106	12/27/2011 12:15	12/30/2011	Aqueous	E624	/				Y	VOA
K2740-07A	MW-104	12/27/2011 13:15	12/30/2011	Aqueous	E624	/				Y	VOA
K2740-08A	MW-5S	12/27/2011 13:45	12/30/2011	Aqueous	E624	/				Y	VOA
K2740-09A	MW-108	12/27/2011 14:15	12/30/2011	Aqueous	E624	/				Y	VOA
K2740-10A	MW-X	12/27/2011 00:00	12/30/2011	Aqueous	E624	/				Y	VOA
K2740-11A	MW-Y	12/27/2011 00:00	12/30/2011	Aqueous	E624	/				Y	VOA
K2740-12A	MW-109	12/28/2011 09:00	12/30/2011	Aqueous	E624	/				Y	VOA
K2740-13A	MW-111	12/28/2011 10:15	12/30/2011	Aqueous	E624	/				Y	VOA
K2740-14A	MW-2S	12/28/2011 11:15	12/30/2011	Aqueous	E624	/				Y	VOA
K2740-15A	RW-2	12/28/2011 12:20	12/30/2011	Aqueous	E624	/				Y	VOA
K2740-16A	INFLUENT	12/29/2011 15:05	12/31/2011	Aqueous	E624	/				Y	VOA
K2740-16B	INFLUENT	12/29/2011 15:05	12/31/2011	Aqueous	SW6010_W	/ TAL				Y	M6
K2740-16B	INFLUENT	12/29/2011 15:05	12/31/2011	Aqueous	SW7470	/ TAL					M6

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: K2740

Client ID: DVIRKA_WOODBURY

Project: Active Industrial

WO Name: Active Industrial

Location: ACTIVE_INDUSTRIAL,

Comments: N/A

Case:

SDG:

PO: 152125

HC Due:01/19/12

Fax Due:

☐

Fax Report:

Report Level: ASP-B

Special Program:

EDD: EQUIS_4_NYSDEC

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
K2740-17A	EFFLUENT	12/29/2011 15:15	12/31/2011	Aqueous	E624	/				Y	VOA
K2740-17B	EFFLUENT	12/29/2011 15:15	12/31/2011	Aqueous	SW6010_W	/ TAL				Y	M6
K2740-17B	EFFLUENT	12/29/2011 15:15	12/31/2011	Aqueous	SW7470	/ TAL					M6

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold



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*** Volatiles ***

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : Dvirka & Bartilucci

Project: Active Industrial

Laboratory Workorder / SDG #: K2740

EPA 624, VOC 624 by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code:
EPA 624

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW5030

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: V6

Instrument Type: GCMS-VOA

Description: HP6890 / HP5973

Manufacturer: Hewlett-Packard

Model: 6890 / 5973

GC Column used: 30 m X 0.25 mm ID [1.40 um thickness] DB-624 capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

MW-2S (K2740-14ADL), recovery is below criteria for Toluene-d8 at 84% with criteria of (85-120).

MB-64058, recovery is below criteria for Toluene-d8 at 85% with criteria of (85-120).

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits with the following exceptions. Please note that most test procedures allow for several compounds outside of the QC limits for the LCS, although this may indicate a bias for this specific compound.

LCS-64058 in batch 64059, Percent Recovery is outside QC Limits, recovery is above criteria for cis-1,2-Dichloroethene at 124% with criteria of (83-120).

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

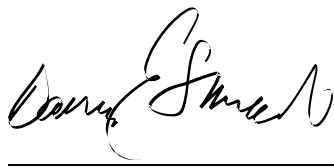
The following samples were analyzed at dilution:

MW-2S (K2740-14ADL) : Dilution Factor: 4

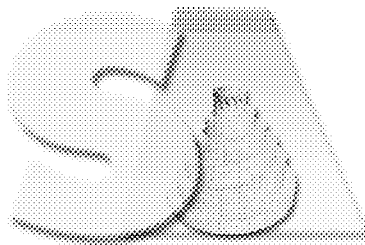
G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

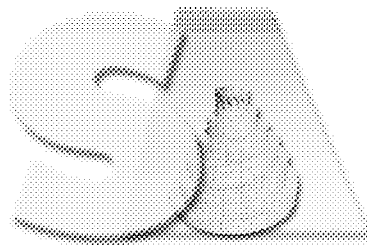
Date: 01/18/12



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Data Flag/Qualifiers:

- U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).
- J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
 - estimated concentration for Tentatively Identified Compound
- B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a “trace” concentration below the reporting limit and equal to or above the detection limit.
- D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis
- E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.
- P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.
- A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.
- N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.
- * For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.



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Sample ID Suffixes

- DL** Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution
- RE** Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.
- RA** Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.
- RX** Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.
- MS** Matrix Spike.
- MSD** Matrix Spike Duplicate
- DUP** Duplicate analysis
- SD** Serial Dilution
- PS** Post-digestion or Post-distillation spike. For metals or inorganic analyses

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-101

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-01A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4850.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/30/2011
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	0.57	J
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	1.0	J
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-102

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-02A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4851.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/30/2011
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	1.0	J
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-103

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-03A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4852.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/30/2011
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-105

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-04A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4853.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/30/2011
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	0.76	J
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-107

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-05A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4854.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/30/2011
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	0.70	J
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	1.1	J
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	3.0	J
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-106

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-06A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4855.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/30/2011
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	27	
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	0.69	J
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	51	
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	7.3	
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	6.4	
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-104

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-07A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4856.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/30/2011
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-5S

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-08A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4857.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/30/2011
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.6	J
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	4.6	J
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	59	
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-108

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-09A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4858.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/30/2011
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	1.8	J
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-X

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-10A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4859.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/30/2011
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	0.52	J
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	1.1	J
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-Y

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-11A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4860.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/30/2011
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	1.5	J
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-109

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-12A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4861.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/30/2011
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	0.99	J
156-59-2	cis-1,2-Dichloroethene	2.0	J
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	2.1	J
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	0.75	J
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-111

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-13A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4862.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/30/2011
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-2S

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-14A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4863.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/30/2011
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	2.2	J
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	290	E
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.7	
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	9.4	
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-2SDL

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-14ADL
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4881.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/30/2011
% Moisture: not dec.	Date Analyzed: 01/05/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 4.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	20	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl chloride	20	U
74-83-9	Bromomethane	20	U
75-00-3	Chloroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
75-35-4	1,1-Dichloroethene	20	U
75-09-2	Methylene chloride	20	U
156-60-5	trans-1,2-Dichloroethene	20	U
75-34-3	1,1-Dichloroethane	20	U
156-59-2	cis-1,2-Dichloroethene	370	D
67-66-3	Chloroform	20	U
71-55-6	1,1,1-Trichloroethane	20	U
56-23-5	Carbon tetrachloride	20	U
107-06-2	1,2-Dichloroethane	20	U
79-01-6	Trichloroethene	6.6	DJ
78-87-5	1,2-Dichloropropane	20	U
75-27-4	Bromodichloromethane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
79-00-5	1,1,2-Trichloroethane	20	U
127-18-4	Tetrachloroethene	9.8	DJ
124-48-1	Dibromochloromethane	20	U
108-90-7	Chlorobenzene	20	U
75-25-2	Bromoform	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
110-75-8	2-Chloroethyl vinyl ether	20	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RW-2

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-15A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4864.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/30/2011
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.4	J
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	0.61	J
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

INFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-16A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4865.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/31/2011
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	0.79	J
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	1.1	J
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	46	
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	140	
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
EFFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K2740-17A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4866.D
Level: (TRACE/LOW/MED) LOW	Date Received: 12/31/2011
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	8.6	
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	0.83	J
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	2.3	J
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-64026

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K2740	Mod. Ref No.: SDG No.: SK2740
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: MB-64026
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I4848.D
Level: (TRACE/LOW/MED) LOW	Date Received:
% Moisture: not dec.	Date Analyzed: 01/04/2012
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-64058

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____

Lab Code: MITKEM Case No.: K2740 Mod. Ref No.: _____ SDG No.: SK2740

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-64058

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4878.D

Level: (TRACE/LOW/MED) LOW Date Received: _____

% Moisture: not dec. Date Analyzed: 01/05/2012

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
110-75-8	2-Chloroethyl vinyl ether	5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
LCS-64026

Lab Name: <u>SPECTRUM ANALYTICAL, INC.</u>	Contract: _____
Lab Code: <u>MITKEM</u> Case No.: <u>K2740</u>	Mod. Ref No.: _____ SDG No.: <u>SK2740</u>
Matrix: (SOIL/SED/WATER) <u>WATER</u>	Lab Sample ID: <u>LCS-64026</u>
Sample wt/vol: <u>5.00</u> (g/mL) <u>ML</u>	Lab File ID: <u>V6I4844.D</u>
Level: (TRACE/LOW/MED) <u>LOW</u>	Date Received: _____
% Moisture: not dec. _____	Date Analyzed: <u>01/04/2012</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: <u>1.0</u>
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)
Purge Volume: <u>5.0</u> (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
75-71-8	Dichlorodifluoromethane	48	
74-87-3	Chloromethane	45	
75-01-4	Vinyl chloride	56	
74-83-9	Bromomethane	51	
75-00-3	Chloroethane	57	
75-69-4	Trichlorofluoromethane	58	
75-35-4	1,1-Dichloroethene	55	
75-09-2	Methylene chloride	54	
156-60-5	trans-1,2-Dichloroethene	54	
75-34-3	1,1-Dichloroethane	56	
156-59-2	cis-1,2-Dichloroethene	55	
67-66-3	Chloroform	56	
71-55-6	1,1,1-Trichloroethane	57	
56-23-5	Carbon tetrachloride	57	
107-06-2	1,2-Dichloroethane	55	
79-01-6	Trichloroethene	55	
78-87-5	1,2-Dichloropropane	54	
75-27-4	Bromodichloromethane	56	
10061-01-5	cis-1,3-Dichloropropene	57	
10061-02-6	trans-1,3-Dichloropropene	58	
79-00-5	1,1,2-Trichloroethane	54	
127-18-4	Tetrachloroethene	47	
124-48-1	Dibromochloromethane	51	
108-90-7	Chlorobenzene	49	
75-25-2	Bromoform	53	
79-34-5	1,1,2,2-Tetrachloroethane	47	
541-73-1	1,3-Dichlorobenzene	47	
106-46-7	1,4-Dichlorobenzene	46	
95-50-1	1,2-Dichlorobenzene	47	
110-75-8	2-Chloroethyl vinyl ether	41	

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
LCS-64058

Lab Name: <u>SPECTRUM ANALYTICAL, INC.</u>	Contract: _____
Lab Code: <u>MITKEM</u> Case No.: <u>K2740</u>	Mod. Ref No.: _____ SDG No.: <u>SK2740</u>
Matrix: (SOIL/SED/WATER) <u>WATER</u>	Lab Sample ID: <u>LCS-64058</u>
Sample wt/vol: <u>5.00</u> (g/mL) <u>ML</u>	Lab File ID: <u>V6I4874.D</u>
Level: (TRACE/LOW/MED) <u>LOW</u>	Date Received: _____
% Moisture: not dec. _____	Date Analyzed: <u>01/05/2012</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: <u>1.0</u>
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)
Purge Volume: <u>5.0</u> (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
75-71-8	Dichlorodifluoromethane	53	
74-87-3	Chloromethane	53	
75-01-4	Vinyl chloride	61	
74-83-9	Bromomethane	44	
75-00-3	Chloroethane	63	
75-69-4	Trichlorofluoromethane	59	
75-35-4	1,1-Dichloroethene	61	
75-09-2	Methylene chloride	61	
156-60-5	trans-1,2-Dichloroethene	61	
75-34-3	1,1-Dichloroethane	63	
156-59-2	cis-1,2-Dichloroethene	62	
67-66-3	Chloroform	62	
71-55-6	1,1,1-Trichloroethane	61	
56-23-5	Carbon tetrachloride	61	
107-06-2	1,2-Dichloroethane	62	
79-01-6	Trichloroethene	61	
78-87-5	1,2-Dichloropropane	61	
75-27-4	Bromodichloromethane	64	
10061-01-5	cis-1,3-Dichloropropene	63	
10061-02-6	trans-1,3-Dichloropropene	64	
79-00-5	1,1,2-Trichloroethane	61	
127-18-4	Tetrachloroethene	44	
124-48-1	Dibromochloromethane	48	
108-90-7	Chlorobenzene	47	
75-25-2	Bromoform	49	
79-34-5	1,1,2,2-Tetrachloroethane	43	
541-73-1	1,3-Dichlorobenzene	43	
106-46-7	1,4-Dichlorobenzene	43	
95-50-1	1,2-Dichlorobenzene	43	
110-75-8	2-Chloroethyl vinyl ether	29	

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
LCSD-64026

Lab Name: <u>SPECTRUM ANALYTICAL, INC.</u>	Contract: _____
Lab Code: <u>MITKEM</u> Case No.: <u>K2740</u>	Mod. Ref No.: _____ SDG No.: <u>SK2740</u>
Matrix: (SOIL/SED/WATER) <u>WATER</u>	Lab Sample ID: <u>LCSD-64026</u>
Sample wt/vol: <u>5.00</u> (g/mL) <u>ML</u>	Lab File ID: <u>V6I4845.D</u>
Level: (TRACE/LOW/MED) <u>LOW</u>	Date Received: _____
% Moisture: not dec. _____	Date Analyzed: <u>01/04/2012</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: <u>1.0</u>
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)
Purge Volume: <u>5.0</u> (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
75-71-8	Dichlorodifluoromethane	49	
74-87-3	Chloromethane	48	
75-01-4	Vinyl chloride	56	
74-83-9	Bromomethane	49	
75-00-3	Chloroethane	55	
75-69-4	Trichlorofluoromethane	55	
75-35-4	1,1-Dichloroethene	54	
75-09-2	Methylene chloride	53	
156-60-5	trans-1,2-Dichloroethene	52	
75-34-3	1,1-Dichloroethane	54	
156-59-2	cis-1,2-Dichloroethene	53	
67-66-3	Chloroform	53	
71-55-6	1,1,1-Trichloroethane	55	
56-23-5	Carbon tetrachloride	55	
107-06-2	1,2-Dichloroethane	54	
79-01-6	Trichloroethene	53	
78-87-5	1,2-Dichloropropane	53	
75-27-4	Bromodichloromethane	55	
10061-01-5	cis-1,3-Dichloropropene	55	
10061-02-6	trans-1,3-Dichloropropene	55	
79-00-5	1,1,2-Trichloroethane	52	
127-18-4	Tetrachloroethene	47	
124-48-1	Dibromochloromethane	49	
108-90-7	Chlorobenzene	48	
75-25-2	Bromoform	53	
79-34-5	1,1,2,2-Tetrachloroethane	48	
541-73-1	1,3-Dichlorobenzene	46	
106-46-7	1,4-Dichlorobenzene	45	
95-50-1	1,2-Dichlorobenzene	46	
110-75-8	2-Chloroethyl vinyl ether	38	

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
LCSD-64058

Lab Name: <u>SPECTRUM ANALYTICAL, INC.</u>	Contract: _____
Lab Code: <u>MITKEM</u> Case No.: <u>K2740</u>	Mod. Ref No.: _____ SDG No.: <u>SK2740</u>
Matrix: (SOIL/SED/WATER) <u>WATER</u>	Lab Sample ID: <u>LCSD-64058</u>
Sample wt/vol: <u>5.00</u> (g/mL) <u>ML</u>	Lab File ID: <u>V6I4875.D</u>
Level: (TRACE/LOW/MED) <u>LOW</u>	Date Received: _____
% Moisture: not dec. _____	Date Analyzed: <u>01/05/2012</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: <u>1.0</u>
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)
Purge Volume: <u>5.0</u> (mL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
75-71-8	Dichlorodifluoromethane	49	
74-87-3	Chloromethane	49	
75-01-4	Vinyl chloride	56	
74-83-9	Bromomethane	40	
75-00-3	Chloroethane	57	
75-69-4	Trichlorofluoromethane	54	
75-35-4	1,1-Dichloroethene	56	
75-09-2	Methylene chloride	57	
156-60-5	trans-1,2-Dichloroethene	56	
75-34-3	1,1-Dichloroethane	59	
156-59-2	cis-1,2-Dichloroethene	57	
67-66-3	Chloroform	58	
71-55-6	1,1,1-Trichloroethane	57	
56-23-5	Carbon tetrachloride	57	
107-06-2	1,2-Dichloroethane	58	
79-01-6	Trichloroethene	56	
78-87-5	1,2-Dichloropropane	58	
75-27-4	Bromodichloromethane	59	
10061-01-5	cis-1,3-Dichloropropene	59	
10061-02-6	trans-1,3-Dichloropropene	60	
79-00-5	1,1,2-Trichloroethane	58	
127-18-4	Tetrachloroethene	42	
124-48-1	Dibromochloromethane	45	
108-90-7	Chlorobenzene	44	
75-25-2	Bromoform	46	
79-34-5	1,1,2,2-Tetrachloroethane	42	
541-73-1	1,3-Dichlorobenzene	41	
106-46-7	1,4-Dichlorobenzene	40	
95-50-1	1,2-Dichlorobenzene	40	
110-75-8	2-Chloroethyl vinyl ether	28	

2B - FORM II VOA-2
WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: K2740 Mod. Ref No.: _____ SDG No.: SK2740
 Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	LCS-64026	105	101	94	101				0
02	LCSD-64026	101	95	94	102				0
03	MB-64026	104	99	93	99				0
04	MW-101	106	99	93	100				0
05	MW-102	104	101	93	100				0
06	MW-103	106	98	92	98				0
07	MW-105	105	100	92	99				0
08	MW-107	108	100	91	99				0
09	MW-106	105	101	90	100				0
10	MW-104	106	103	91	99				0
11	MW-5S	108	98	91	98				0
12	MW-108	108	97	90	100				0
13	MW-X	109	100	91	100				0
14	MW-Y	106	100	91	99				0
15	MW-109	109	101	91	99				0
16	MW-111	107	102	89	99				0
17	MW-2S	107	102	91	99				0
18	RW-2	107	103	91	99				0
19	INFLUENT	108	102	90	98				0
20	EFFLUENT	107	99	91	100				0
21	LCS-64058	111	108	87	103				0
22	LCSD-64058	110	102	86	104				0
23	MB-64058	111	102	85 *	101				1
24	MW-2SDL	111	99	84 *	103				1

QC LIMITS
 (85-115)
 (70-120)
 (85-120)
 (75-120)

VDMC1 (DBFM) Dibromofluoromethane
 VDMC2 (DCE) = 1,2-Dichloroethane-d4
 VDMC3 (TOL) = Toluene-d8
 VDMC4 (BFB) = Bromofluorobenzene
 # Column to be used to flag recovery values
 * Values outside of contract required QC limits

som111.10.27.A

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.

LCS-64026

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
Lab Code: MITKEM Case No.: K2740 Mod. Ref No.: _____ SDG No.: SK2740
Lab Sample ID: LCS-64026 LCS Lot No.: _____
Date Extracted: 01/04/2012 Date Analyzed (1): 01/04/2012

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	48.4713	97		48 - 135
Chloromethane	50.0000	0.0000	44.7693	90		1 - 273
Vinyl chloride	50.0000	0.0000	56.4884	113		1 - 251
Bromomethane	50.0000	0.0000	51.1774	102		1 - 242
Chloroethane	50.0000	0.0000	56.8483	114		14 - 230
Trichlorofluoromethane	50.0000	0.0000	58.2406	116		17 - 181
1,1-Dichloroethene	50.0000	0.0000	55.3791	111		1 - 234
Methylene chloride	50.0000	0.0000	53.8133	108		1 - 221
trans-1,2-Dichloroethene	50.0000	0.0000	54.1316	108		54 - 156
1,1-Dichloroethane	50.0000	0.0000	56.2435	112		59 - 155
cis-1,2-Dichloroethene	50.0000	0.0000	55.4583	111		83 - 120
Chloroform	50.0000	0.0000	55.5290	111		51 - 138
1,1,1-Trichloroethane	50.0000	0.0000	57.1889	114		52 - 162
Carbon tetrachloride	50.0000	0.0000	57.2633	115		70 - 140
1,2-Dichloroethane	50.0000	0.0000	55.4757	111		49 - 155
Trichloroethene	50.0000	0.0000	54.5401	109		71 - 157
1,2-Dichloropropane	50.0000	0.0000	54.4556	109		1 - 210
Bromodichloromethane	50.0000	0.0000	55.5320	111		35 - 155
cis-1,3-Dichloropropene	50.0000	0.0000	57.2456	114		1 - 227
trans-1,3-Dichloropropene	50.0000	0.0000	57.5469	115		17 - 183
1,1,2-Trichloroethane	50.0000	0.0000	54.0463	108		52 - 150
Tetrachloroethene	50.0000	0.0000	46.9995	94		64 - 148
Dibromochloromethane	50.0000	0.0000	50.7566	102		53 - 149
Chlorobenzene	50.0000	0.0000	49.1057	98		37 - 150
Bromoform	50.0000	0.0000	53.2132	106		45 - 169
1,1,2,2-Tetrachloroethane	50.0000	0.0000	46.9732	94		46 - 157
1,3-Dichlorobenzene	50.0000	0.0000	47.0360	94		59 - 156
1,4-Dichlorobenzene	50.0000	0.0000	46.2290	92		18 - 190
1,2-Dichlorobenzene	50.0000	0.0000	46.5009	93		18 - 190
2-Chloroethyl vinyl ether	50.0000	0.0000	41.4552	83		1 - 305

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

* Values outside of QC limits

Spike Recovery: 0 out of 30 outside limits

COMMENTS: _____

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.

LCS-64058

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
Lab Code: MITKEM Case No.: K2740 Mod. Ref No.: _____ SDG No.: SK2740
Lab Sample ID: LCS-64058 LCS Lot No.: _____
Date Extracted: 01/05/2012 Date Analyzed (1): 01/05/2012

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	53.1069	106		48 - 135
Chloromethane	50.0000	0.0000	53.0575	106		1 - 273
Vinyl chloride	50.0000	0.0000	60.7332	121		1 - 251
Bromomethane	50.0000	0.0000	43.7636	88		1 - 242
Chloroethane	50.0000	0.0000	62.5119	125		14 - 230
Trichlorofluoromethane	50.0000	0.0000	58.7755	118		17 - 181
1,1-Dichloroethene	50.0000	0.0000	60.7223	121		1 - 234
Methylene chloride	50.0000	0.0000	60.9139	122		1 - 221
trans-1,2-Dichloroethene	50.0000	0.0000	61.1937	122		54 - 156
1,1-Dichloroethane	50.0000	0.0000	63.4759	127		59 - 155
cis-1,2-Dichloroethene	50.0000	0.0000	62.0367	124	*	83 - 120
Chloroform	50.0000	0.0000	62.2257	124		51 - 138
1,1,1-Trichloroethane	50.0000	0.0000	61.1899	122		52 - 162
Carbon tetrachloride	50.0000	0.0000	60.9638	122		70 - 140
1,2-Dichloroethane	50.0000	0.0000	61.7918	124		49 - 155
Trichloroethene	50.0000	0.0000	61.4555	123		71 - 157
1,2-Dichloropropane	50.0000	0.0000	61.0275	122		1 - 210
Bromodichloromethane	50.0000	0.0000	63.9064	128		35 - 155
cis-1,3-Dichloropropene	50.0000	0.0000	63.3191	127		1 - 227
trans-1,3-Dichloropropene	50.0000	0.0000	63.7278	127		17 - 183
1,1,2-Trichloroethane	50.0000	0.0000	60.6503	121		52 - 150
Tetrachloroethene	50.0000	0.0000	44.0630	88		64 - 148
Dibromochloromethane	50.0000	0.0000	47.8538	96		53 - 149
Chlorobenzene	50.0000	0.0000	46.8524	94		37 - 150
Bromoform	50.0000	0.0000	49.4180	99		45 - 169
1,1,2,2-Tetrachloroethane	50.0000	0.0000	43.0777	86		46 - 157
1,3-Dichlorobenzene	50.0000	0.0000	43.1682	86		59 - 156
1,4-Dichlorobenzene	50.0000	0.0000	42.5896	85		18 - 190
1,2-Dichlorobenzene	50.0000	0.0000	42.7169	85		18 - 190
2-Chloroethyl vinyl ether	50.0000	0.0000	29.2003	58		1 - 305

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

* Values outside of QC limits

Spike Recovery: 1 out of 30 outside limits

COMMENTS: _____

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

LCSD-64026

Lab Name: SPECTRUM ANALYTICAL, INC.

Contract:

Lab Code: MITKEM Case No.: K2740

Mod. Ref No.:

SDG No.: SK2740

Lab Sample ID: LCSD-64026

LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS	
							RPD	REC.
Dichlorodifluoromethane	50.0000	48.5666	97		0		40	48 - 135
Chloromethane	50.0000	48.4578	97		7		40	1 - 273
Vinyl chloride	50.0000	56.2687	113		0		40	1 - 251
Bromomethane	50.0000	49.2623	99		3		40	1 - 242
Chloroethane	50.0000	54.7120	109		4		40	14 - 230
Trichlorofluoromethane	50.0000	55.3588	111		4		40	17 - 181
1,1-Dichloroethene	50.0000	54.3895	109		2		40	1 - 234
Methylene chloride	50.0000	52.7687	106		2		40	1 - 221
trans-1,2-Dichloroethene	50.0000	51.8362	104		4		40	54 - 156
1,1-Dichloroethane	50.0000	54.2013	108		4		40	59 - 155
cis-1,2-Dichloroethene	50.0000	53.4833	107		4		40	83 - 120
Chloroform	50.0000	53.0761	106		5		40	51 - 138
1,1,1-Trichloroethane	50.0000	55.1140	110		4		40	52 - 162
Carbon tetrachloride	50.0000	54.7000	109		5		40	70 - 140
1,2-Dichloroethane	50.0000	53.9143	108		3		40	49 - 155
Trichloroethene	50.0000	53.1477	106		3		40	71 - 157
1,2-Dichloropropane	50.0000	52.9315	106		3		40	1 - 210
Bromodichloromethane	50.0000	54.7468	109		2		40	35 - 155
cis-1,3-Dichloropropene	50.0000	54.5731	109		4		40	1 - 227
trans-1,3-Dichloropropene	50.0000	55.2976	111		4		40	17 - 183
1,1,2-Trichloroethane	50.0000	52.4852	105		3		40	52 - 150
Tetrachloroethene	50.0000	47.2782	95		1		40	64 - 148
Dibromochloromethane	50.0000	49.3185	99		3		40	53 - 149
Chlorobenzene	50.0000	48.0910	96		2		40	37 - 150
Bromoform	50.0000	52.6330	105		1		40	45 - 169
1,1,2,2-Tetrachloroethane	50.0000	47.6668	95		1		40	46 - 157
1,3-Dichlorobenzene	50.0000	46.4926	93		1		40	59 - 156
1,4-Dichlorobenzene	50.0000	45.3376	91		1		40	18 - 190
1,2-Dichlorobenzene	50.0000	46.0540	92		1		40	18 - 190
2-Chloroethyl vinyl ether	50.0000	38.1954	76		9		40	1 - 305

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

* Values outside of QC limits

RPD: 0 out of 30 outside limits

Spike Recovery: 0 out of 30 outside limits

COMMENTS:

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

LCSD-64058

Lab Name: SPECTRUM ANALYTICAL, INC.

Contract:

Lab Code: MITKEM Case No.: K2740

Mod. Ref No.:

SDG No.: SK2740

Lab Sample ID: LCSD-64058

LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC #		%RPD #		QC LIMITS	
							RPD	REC.
Dichlorodifluoromethane	50.0000	48.5055	97		9		40	48 - 135
Chloromethane	50.0000	48.7895	98		8		40	1 - 273
Vinyl chloride	50.0000	56.0389	112		8		40	1 - 251
Bromomethane	50.0000	39.8643	80		10		40	1 - 242
Chloroethane	50.0000	57.4548	115		8		40	14 - 230
Trichlorofluoromethane	50.0000	54.1314	108		9		40	17 - 181
1,1-Dichloroethene	50.0000	55.8340	112		8		40	1 - 234
Methylene chloride	50.0000	57.0551	114		7		40	1 - 221
trans-1,2-Dichloroethene	50.0000	56.0184	112		9		40	54 - 156
1,1-Dichloroethane	50.0000	59.0903	118		7		40	59 - 155
cis-1,2-Dichloroethene	50.0000	57.1829	114		8		40	83 - 120
Chloroform	50.0000	57.6564	115		8		40	51 - 138
1,1,1-Trichloroethane	50.0000	56.9488	114		7		40	52 - 162
Carbon tetrachloride	50.0000	57.1187	114		7		40	70 - 140
1,2-Dichloroethane	50.0000	57.9883	116		7		40	49 - 155
Trichloroethene	50.0000	56.4228	113		8		40	71 - 157
1,2-Dichloropropane	50.0000	57.8223	116		5		40	1 - 210
Bromodichloromethane	50.0000	58.9454	118		8		40	35 - 155
cis-1,3-Dichloropropene	50.0000	58.5344	117		8		40	1 - 227
trans-1,3-Dichloropropene	50.0000	59.5091	119		7		40	17 - 183
1,1,2-Trichloroethane	50.0000	57.5215	115		5		40	52 - 150
Tetrachloroethene	50.0000	41.7540	84		5		40	64 - 148
Dibromochloromethane	50.0000	44.6007	89		8		40	53 - 149
Chlorobenzene	50.0000	44.0313	88		7		40	37 - 150
Bromoform	50.0000	45.6088	91		8		40	45 - 169
1,1,2,2-Tetrachloroethane	50.0000	41.6084	83		4		40	46 - 157
1,3-Dichlorobenzene	50.0000	41.1740	82		5		40	59 - 156
1,4-Dichlorobenzene	50.0000	40.0844	80		6		40	18 - 190
1,2-Dichlorobenzene	50.0000	40.3102	81		5		40	18 - 190
2-Chloroethyl vinyl ether	50.0000	28.1225	56		4		40	1 - 305

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

* Values outside of QC limits

RPD: 0 out of 30 outside limits

Spike Recovery: 0 out of 30 outside limits

COMMENTS:

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-64026

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____

Lab Code: MITKEM Case No.: K2740 Mod. Ref No.: _____ SDG No.: SK2740

Lab File ID: V6I4848.D Lab Sample ID: MB-64026

Instrument ID: V6

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 01/04/2012

Level: (TRACE or LOW/MED) LOW Time Analyzed: 14:23

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-64026	LCS-64026	V6I4844.D	12:49
02	LCSD-64026	LCSD-64026	V6I4845.D	13:12
03	MW-101	K2740-01A	V6I4850.D	15:10
04	MW-102	K2740-02A	V6I4851.D	15:33
05	MW-103	K2740-03A	V6I4852.D	15:57
06	MW-105	K2740-04A	V6I4853.D	16:20
07	MW-107	K2740-05A	V6I4854.D	16:44
08	MW-106	K2740-06A	V6I4855.D	17:07
09	MW-104	K2740-07A	V6I4856.D	17:31
10	MW-5S	K2740-08A	V6I4857.D	17:54
11	MW-108	K2740-09A	V6I4858.D	18:18
12	MW-X	K2740-10A	V6I4859.D	18:41
13	MW-Y	K2740-11A	V6I4860.D	19:05
14	MW-109	K2740-12A	V6I4861.D	19:28
15	MW-111	K2740-13A	V6I4862.D	19:52
16	MW-2S	K2740-14A	V6I4863.D	20:15
17	RW-2	K2740-15A	V6I4864.D	20:39
18	INFLUENT	K2740-16A	V6I4865.D	21:02
19	EFFLUENT	K2740-17A	V6I4866.D	21:26

COMMENTS:

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-64058

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
Lab Code: MITKEM Case No.: K2740 Mod. Ref No.: _____ SDG No.: SK2740
Lab File ID: V6I4878.D Lab Sample ID: MB-64058
Instrument ID: V6
Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 01/05/2012
Level: (TRACE or LOW/MED) LOW Time Analyzed: 12:52
GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-64058	LCS-64058	V6I4874.D	11:10
02	LCSD-64058	LCSD-64058	V6I4875.D	11:34
03	MW-2SDL	K2740-14ADL	V6I4881.D	14:02

COMMENTS:

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: K2740 Mod. Ref No.: _____ SDG No.: SK2740
 GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 01/03/2012 01/03/2012
 EPA Sample No.(VSTD#####): VSTD0506I Date Analyzed: 01/04/2012
 Lab File ID (Standard): V6I4842.D Time Analyzed: 10:56
 Instrument ID: V6 Heated Purge: (Y/N) N

	IS1 (S1)	AREA	#	RT	#	IS2 (S2)	AREA	#	RT	#	IS3 (S3)	AREA	#	RT	#
12 HOUR STD	942193			5.06		961859			8.03		616376			10.562	
UPPER LIMIT	1884386			5.56		1923718			8.53		1232752			11.062	
LOWER LIMIT	471097			4.56		480930			7.53		308188			10.062	
SAMPLE NO.															
01 LCS-64026	951434			5.060		987096			8.030		635021			10.562	
02 LCSD-64026	953671			5.058		977488			8.028		625541			10.561	
03 MB-64026	915131			5.057		947586			8.027		585355			10.560	
04 MW-101	867865			5.058		931975			8.029		594683			10.561	
05 MW-102	869958			5.058		921594			8.028		577753			10.560	
06 MW-103	858296			5.057		917572			8.027		572972			10.559	
07 MW-105	847156			5.057		899767			8.028		568370			10.560	
08 MW-107	836320			5.060		900514			8.030		568722			10.562	
09 MW-106	817467			5.057		892140			8.027		574456			10.559	
10 MW-104	824540			5.058		895910			8.028		561476			10.560	
11 MW-5S	825911			5.060		891175			8.030		556611			10.562	
12 MW-108	809562			5.060		879672			8.030		555624			10.563	
13 MW-X	801793			5.059		871371			8.029		558913			10.561	
14 MW-Y	800442			5.059		869239			8.029		562228			10.561	
15 MW-109	790756			5.061		869299			8.019		556907			10.563	

IS1 () = Fluorobenzene

IS2 () = Chlorobenzene-d5

IS3 () = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: K2740 Mod. Ref No.: _____ SDG No.: SK2740
 GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 01/03/2012 01/03/2012
 EPA Sample No.(VSTD#####): VSTD0506I Date Analyzed: 01/04/2012
 Lab File ID (Standard): V6I4842.D Time Analyzed: 10:56
 Instrument ID: V6 Heated Purge: (Y/N) N

		IS1 (S1)		IS2 (S2)		IS3 (S3)	
		AREA	#	AREA	#	AREA	#
12	12 HOUR STD	942193	5.06	961859	8.03	616376	10.562
	UPPER LIMIT	1884386	5.56	1923718	8.53	1232752	11.062
	LOWER LIMIT	471097	4.56	480930	7.53	308188	10.062
	SAMPLE NO.						
16	MW-111	792967	5.057	879458	8.027	558521	10.560
17	MW-2S	782414	5.057	866785	8.027	556299	10.559
18	RW-2	785551	5.057	862769	8.027	544012	10.559
19	INFLUENT	774584	5.057	873196	8.027	550706	10.559
20	EFFLUENT	769191	5.060	855835	8.030	547416	10.562

IS1 () = Fluorobenzene

IS2 () = Chlorobenzene-d5

IS3 () = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: K2740 Mod. Ref No.: _____ SDG No.: SK2740
 GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 01/03/2012 01/03/2012
 EPA Sample No.(VSTD#####): VSTD0506J Date Analyzed: 01/05/2012
 Lab File ID (Standard): V6I4873.D Time Analyzed: 10:29
 Instrument ID: V6 Heated Purge: (Y/N) N

		IS1 (S1)		IS2 (S2)		IS3 (S3)	
		AREA	#	AREA	#	AREA	#
	12 HOUR STD	758651	5.061	924762	8.031	614464	10.563
	UPPER LIMIT	1517302	5.561	1849524	8.531	1228928	11.063
	LOWER LIMIT	379326	4.561	462381	7.531	307232	10.063
	SAMPLE NO.						
01	LCS-64058	766959	5.059	940940	8.029	628671	10.561
02	LCSD-64058	762873	5.057	944373	8.027	624699	10.559
03	MB-64058	736744	5.058	926081	8.028	597475	10.560
04	MW-2SDL	694310	5.057	888022	8.027	581506	10.559

IS1 () = Fluorobenzene

IS2 () = Chlorobenzene-d5

IS3 () = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

*** Metals ***

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : Dvirka & Bartilucci

Project: Active Industrial

Laboratory Workorder / SDG #: K2740

SW846 6010C, SW846 7470A

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code:
SW846 6010C, SW846 7470A

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005A
Aqueous Samples were prepared following procedures in laboratory test code: SW7470A

V. INSTRUMENTATION

The following instrumentation was used to perform

Instrument Code: FIMS2
Instrument Type: CVAA
Description: FIMS
Manufacturer: Perkin-Elmer
Model: FIMS100

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

A matrix spike was not performed on any sample in this SDG.

D. Post Digestion Spike (PDS):

A post-digestion spike was not performed on any sample in this SDG.

E. Duplicate sample:

A duplicate analysis was not performed on any sample in this SDG.

F. Serial Dilution (SD):

A serial dilution was not performed on any sample in this SDG.

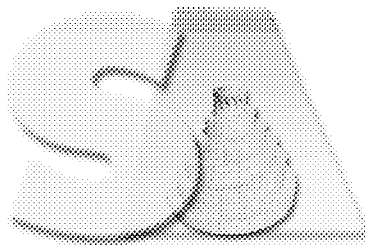
G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed:  _____

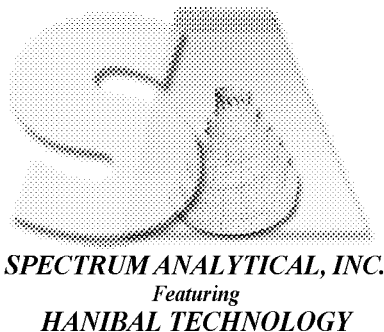
Date: 01/17/12



SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

Data Flag/Qualifiers:

- U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).
- J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
 - estimated concentration for Tentatively Identified Compound
- B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a “trace” concentration below the reporting limit and equal to or above the detection limit.
- D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis
- E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.
- P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.
- A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.
- N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.
- * For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.



Sample ID Suffixes

- DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution
- RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.
- RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.
- RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.
- MS Matrix Spike.
- MSD Matrix Spike Duplicate
- DUP Duplicate analysis
- SD Serial Dilution
- PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

U.S. EPA - CLP

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

EFFLUENT

Lab Name: Spectrum Analytical, Inc.

Contract: 152125

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: SK2740

Matrix (soil/water): WATER

Lab Sample ID: K2740-17

Level (low/med): MED

Date Received: 12/31/2011

% 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	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	18.9	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	20900			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	1500			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	3380			P
7439-96-5	Manganese	1070			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	2700			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	25500			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	7.8	B		P

Comments:

U.S. EPA - CLP

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

INFLUENT

Lab Name: Spectrum Analytical, Inc.

Contract: 152125

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: SK2740

Matrix (soil/water): WATER

Lab Sample ID: K2740-16

Level (low/med): MED

Date Received: 12/31/2011

% 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	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	16.5	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	21300			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.82	B		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	186	B		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	3380			P
7439-96-5	Manganese	935			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	2870			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	25200			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P

Comments:

U.S. EPA - CLP
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LABORATORY CONTROL SAMPLE

Lab Name:	Spectrum Analytical, Inc.	Contract:	152125
Lab Code:	MITKEM	Case No.:	
		SAS No.:	
		SDG No.:	SK2740
Solid LCS Source:			
			LCS(D) ID:
Aqueous LCS Source:			LCS-64020

	Aqueous (ug/L)			Solid (mg/Kg)					
Analyte	True	Found	%R	True	Found	C	Limits	%R	
Aluminum	9100.0	9168.90	100.8						
Antimony	455.0	449.99	98.9						
Arsenic	455.0	462.01	101.5						
Barium	9100.0	9156.33	100.6						
Beryllium	227.0	218.79	96.4						
Cadmium	227.0	217.94	96.0						
Calcium	22700.0	22814.85	100.5						
Chromium	910.0	908.24	99.8						
Cobalt	2270.0	2160.88	95.2						
Copper	1130.0	1119.10	99.0						
Iron	4550.0	4534.00	99.6						
Lead	455.0	458.11	100.7						
Magnesium	22700.0	22459.28	98.9						
Manganese	2270.0	2198.61	96.9						
Nickel	2270.0	2321.46	102.3						
Potassium	22700.0	22756.99	100.3						
Selenium	455.0	464.36	102.1						
Silver	1130.0	1152.11	102.0						
Sodium	22700.0	22544.38	99.3						
Thallium	455.0	448.37	98.5						
Vanadium	2270.0	2285.03	100.7						
Zinc	2270.0	2184.88	96.3						

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LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc.	Contract: 152125
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: SK2740
Solid LCS Source:	LCS(D) ID:
Aqueous LCS Source:	LCS-64101

	Aqueous (ug/L)			Solid (mg/Kg)					
Analyte	True	Found	%R	True	Found	C	Limits	%R	
Mercury	4.6	4.75	103.3						

U.S. EPA - CLP
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LABORATORY CONTROL SAMPLE

Lab Name:	Spectrum Analytical, Inc.	Contract:	152125				
Lab Code:	MITKEM	Case No.:		SAS No.:		SDG No.:	SK2740
Solid LCS Source:						LCS(D) ID:	
Aqueous LCS Source:						LCSD-64020	

	Aqueous (ug/L)			Solid (mg/Kg)					
Analyte	True	Found	%R	True	Found	C	Limits	%R	
Aluminum	9100.0	9245.16	101.6						
Antimony	455.0	452.22	99.4						
Arsenic	455.0	470.44	103.4						
Barium	9100.0	9272.38	101.9						
Beryllium	227.0	222.25	97.9						
Cadmium	227.0	220.71	97.2						
Calcium	22700.0	22853.01	100.7						
Chromium	910.0	920.76	101.2						
Cobalt	2270.0	2196.65	96.8						
Copper	1130.0	1135.76	100.5						
Iron	4550.0	4591.36	100.9						
Lead	455.0	464.56	102.1						
Magnesium	22700.0	22749.72	100.2						
Manganese	2270.0	2232.26	98.3						
Nickel	2270.0	2349.89	103.5						
Potassium	22700.0	22353.21	98.5						
Selenium	455.0	464.20	102.0						
Silver	1130.0	1163.56	103.0						
Sodium	22700.0	22006.12	96.9						
Thallium	455.0	450.18	98.9						
Vanadium	2270.0	2314.39	102.0						
Zinc	2270.0	2221.58	97.9						

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LABORATORY CONTROL SAMPLE

Lab Name:	Spectrum Analytical, Inc.	Contract:	152125				
Lab Code:	MITKEM	Case No.:		SAS No.:		SDG No.:	SK2740
Solid LCS Source:		LCS(D) ID:					
Aqueous LCS Source:		LCSD-64101					

	Aqueous (ug/L)			Solid (mg/Kg)					
Analyte	True	Found	%R	True	Found	C	Limits	%R	
Mercury	4.6	4.73	102.8						

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 152125Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK2740Preparation Blank Matrix (soil/water): WATER Method Blank ID:Preparation Blank Concentration Units (ug/L or mg/kg): UG/L **MB-64101****FIMS2_120111A**

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	01/11/12 11:01	C		C		C		C	
Mercury	0.028	U	0.028	U					0.028	U	CV

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 152125Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK2740Preparation Blank Matrix (soil/water): WATER Method Blank ID:Preparation Blank Concentration Units (ug/L or mg/kg): UG/L **MB-64089****FIMS2_120111A**

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)				Preparation Blank		C	M
		C		C		C		C		
Mercury								0.028	U	CV

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 152125

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK2740

Preparation Blank Matrix (soil/water): WATER

Method Blank ID:

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

MB-64020

OPTIMA3_120105A

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	01/05/12 8:33	C	01/05/12 8:55	C	01/05/12 9:28	C		C	
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	66.000	U	P
Antimony	9.3	U	9.3	U	11.2	B	9.3	U	10.752	B	P
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	4.300	U	P
Barium	1.1	U	1.3	B	1.1	B	1.1	U	1.100	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.260	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.890	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	110.000	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.640	U	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.670	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	3.600	U	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	31.000	U	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	76.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.850	U	P
Potassium	97.0	B	76.0	U	111.7	B	76.0	U	76.000	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	12.000	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	6.900	U	P
Sodium	36.2	B	51.7	B	29.0	U	29.0	U	29.000	U	P
Thallium	6.2	U	-6.6	B	6.2	U	-7.3	B	6.200	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	4.900	U	P