Report Date:
18-Jan-12 15:47

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

Dvirka & Bartilucci
330 Crossways Park Drive
Woodbury, NY 11797

Work Order: K2741
Project : Franklin Cleaners
Project #:

Attn: Robbin Petrella

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
K2741-01	ASMW-4	Aqueous	28-Dec-11 10:50	30-Dec-11 10:00
K2741-02	ASMW-5	Aqueous	28-Dec-11 11:00	30-Dec-11 10:00
K2741-03	ASMW-2	Aqueous	28-Dec-11 12:12	30-Dec-11 10:00
K2741-04	ASMW-3	Aqueous	28-Dec-11 12:27	30-Dec-11 10:00
K2741-05	ASMW-X	Aqueous	28-Dec-11 00:00	30-Dec-11 10:00
K2741-06	ASMW-6	Aqueous	27-Dec-11 11:48	30-Dec-11 10:00
K2741-07	ASMW-1	Aqueous	27-Dec-11 12:25	30-Dec-11 10:00
K2741-08	ASMW-7	Aqueous	29-Dec-11 13:30	31-Dec-11 08:40
K2741-09	AS	Aqueous	29-Dec-11 11:15	31-Dec-11 08:40
K2741-10	EW-1	Aqueous	29-Dec-11 11:35	31-Dec-11 08:40
K2741-11	EW-2	Aqueous	29-Dec-11 11:25	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 requirments have been meet.

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.

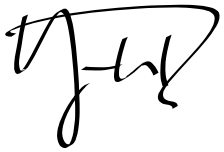
Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:



Yihai Ding
Laboratory Director

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

* Data Summary Pack *

175 Metro Center Boulevard · Warwick, RI 02886-1755 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

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

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

Project Name : Franklin Cleaners **SDG :** K2741

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
ASMW-4	K2741-01	E624				
ASMW-5	K2741-02	E624				
ASMW-2	K2741-03	E624				
ASMW-3	K2741-04	E624				
ASMW-X	K2741-05	E624				
ASMW-6	K2741-06	E624				
ASMW-1	K2741-07	E624				
ASMW-7	K2741-08	E624				
AS	K2741-09	E624			SW6010_W	
EW-1	K2741-10	E624				
EW-2	K2741-11	E624				

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

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

Project Name : Franklin Cleaners **SDG :** K2741

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
E624					
K2741-01A	AQ	12/28/2011	12/30/2011	NA	1/3/2012
K2741-02A	AQ	12/28/2011	12/30/2011	NA	1/3/2012
K2741-03A	AQ	12/28/2011	12/30/2011	NA	1/3/2012
K2741-04A	AQ	12/28/2011	12/30/2011	NA	1/3/2012
K2741-05A	AQ	12/28/2011	12/30/2011	NA	1/3/2012
K2741-06A	AQ	12/27/2011	12/30/2011	NA	1/3/2012
K2741-07A	AQ	12/27/2011	12/30/2011	NA	1/4/2012
K2741-08A	AQ	12/29/2011	12/31/2011	NA	1/4/2012
K2741-09A	AQ	12/29/2011	12/31/2011	NA	1/4/2012
K2741-10A	AQ	12/29/2011	12/31/2011	NA	1/4/2012
K2741-11A	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 : Franklin Cleaners **SDG :** K2741

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
E624					
K2741-01A	AQ	E624	NA	LOW	1
K2741-02A	AQ	E624	NA	LOW	1
K2741-03A	AQ	E624	NA	LOW	1
K2741-04A	AQ	E624	NA	LOW	1
K2741-05A	AQ	E624	NA	LOW	1
K2741-06A	AQ	E624	NA	LOW	1
K2741-07A	AQ	E624	NA	LOW	1
K2741-08A	AQ	E624	NA	LOW	1
K2741-09A	AQ	E624	NA	LOW	1
K2741-10A	AQ	E624	NA	LOW	1
K2741-11A	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 : Franklin Cleaners **SDG :** K2741

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_W				
K2741-09B	AQ	SW6010_W	12/31/2011	1/5/2012

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

WorkOrder: K2741

Client ID: DVIRKA_WOODBURY
Project: Franklin Cleaners
WO Name: Franklin Cleaners
Location: FRANKLIN_CLEANERS,
Comments: N/A

Case:
SDG:
PO: 130050

HC Due: 01/19/12
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQUIIS_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
K2741-01A	ASMW-4	12/28/2011 10:50	12/30/2011	Aqueous	E624	/				Y	VOA
K2741-02A	ASMW-5	12/28/2011 11:00	12/30/2011	Aqueous	E624	/				Y	VOA
K2741-03A	ASMW-2	12/28/2011 12:12	12/30/2011	Aqueous	E624	/				Y	VOA
K2741-04A	ASMW-3	12/28/2011 12:27	12/30/2011	Aqueous	E624	/				Y	VOA
K2741-05A	ASMW-X	12/28/2011 00:00	12/30/2011	Aqueous	E624	/				Y	VOA
K2741-06A	ASMW-6	12/27/2011 11:48	12/30/2011	Aqueous	E624	/				Y	VOA
K2741-07A	ASMW-1	12/27/2011 12:25	12/30/2011	Aqueous	E624	/				Y	VOA
K2741-08A	ASMW-7	12/29/2011 13:30	12/31/2011	Aqueous	E624	/				Y	VOA
K2741-09A	AS	12/29/2011 11:15	12/31/2011	Aqueous	E624	/				Y	VOA
K2741-09B	AS	12/29/2011 11:15	12/31/2011	Aqueous	SW6010_W	/ Fe,Mn				Y	M6
K2741-10A	EW-1	12/29/2011 11:35	12/31/2011	Aqueous	E624	/				Y	VOA
K2741-11A	EW-2	12/29/2011 11:25	12/31/2011	Aqueous	E624	/				Y	VOA

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

HT = Test logged in but has been placed on hold

* Volatiles *

REPORT NARRATIVE

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

Client : Dvirka & Bartilucci

Project: Franklin Cleaners

Laboratory Workorder / SDG #: K2741

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

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.

D. Spikes:

1. Laboratory Control Spikes (LCS):

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

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.

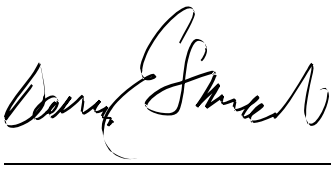
F. Dilutions:

No sample in this SDG required analysis at dilution.

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

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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ASMW-4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2741-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4817.D

Level: (TRACE/LOW/MED) LOW Date Received: 12/30/2011

% Moisture: not dec. Date Analyzed: 01/03/2012

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.

ASMW-5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2741-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4818.D

Level: (TRACE/LOW/MED) LOW Date Received: 12/30/2011

% Moisture: not dec. Date Analyzed: 01/03/2012

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.

ASMW-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2741-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4819.D

Level: (TRACE/LOW/MED) LOW Date Received: 12/30/2011

% Moisture: not dec. Date Analyzed: 01/03/2012

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.

ASMW-3

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2741-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4820.D

Level: (TRACE/LOW/MED) LOW Date Received: 12/30/2011

% Moisture: not dec. Date Analyzed: 01/03/2012

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.

ASMW-X

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2741-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4821.D

Level: (TRACE/LOW/MED) LOW Date Received: 12/30/2011

% Moisture: not dec. Date Analyzed: 01/03/2012

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.

ASMW-6

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2741-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4822.D

Level: (TRACE/LOW/MED) LOW Date Received: 12/30/2011

% Moisture: not dec. Date Analyzed: 01/03/2012

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.

ASMW-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2741-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4823.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	2.6	J
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	24	
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.

ASMW-7

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2741-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4824.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	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.

AS

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2741-09A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4825.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	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.

EW-1

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2741-10A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4826.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	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	14	
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.

EW-2

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2741-11A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4827.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	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	39	
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-64012

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-64012

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4809.D

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

% Moisture: not dec. Date Analyzed: 01/03/2012

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-64012

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-64012

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4805.D

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

% Moisture: not dec. Date Analyzed: 01/03/2012

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	48	
74-87-3	Chloromethane	50	
75-01-4	Vinyl chloride	53	
74-83-9	Bromomethane	49	
75-00-3	Chloroethane	54	
75-69-4	Trichlorofluoromethane	53	
75-35-4	1,1-Dichloroethene	51	
75-09-2	Methylene chloride	52	
156-60-5	trans-1,2-Dichloroethene	52	
75-34-3	1,1-Dichloroethane	53	
156-59-2	cis-1,2-Dichloroethene	53	
67-66-3	Chloroform	53	
71-55-6	1,1,1-Trichloroethane	54	
56-23-5	Carbon tetrachloride	53	
107-06-2	1,2-Dichloroethane	52	
79-01-6	Trichloroethene	52	
78-87-5	1,2-Dichloropropane	54	
75-27-4	Bromodichloromethane	54	
10061-01-5	cis-1,3-Dichloropropene	55	
10061-02-6	trans-1,3-Dichloropropene	55	
79-00-5	1,1,2-Trichloroethane	53	
127-18-4	Tetrachloroethene	50	
124-48-1	Dibromochloromethane	54	
108-90-7	Chlorobenzene	52	
75-25-2	Bromoform	56	
79-34-5	1,1,2,2-Tetrachloroethane	51	
541-73-1	1,3-Dichlorobenzene	51	
106-46-7	1,4-Dichlorobenzene	50	
95-50-1	1,2-Dichlorobenzene	50	
110-75-8	2-Chloroethyl vinyl ether	47	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCSD-64012

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-64012

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4806.D

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

% Moisture: not dec. Date Analyzed: 01/03/2012

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	43	
74-87-3	Chloromethane	48	
75-01-4	Vinyl chloride	52	
74-83-9	Bromomethane	49	
75-00-3	Chloroethane	51	
75-69-4	Trichlorofluoromethane	49	
75-35-4	1,1-Dichloroethene	52	
75-09-2	Methylene chloride	53	
156-60-5	trans-1,2-Dichloroethene	50	
75-34-3	1,1-Dichloroethane	51	
156-59-2	cis-1,2-Dichloroethene	53	
67-66-3	Chloroform	52	
71-55-6	1,1,1-Trichloroethane	53	
56-23-5	Carbon tetrachloride	52	
107-06-2	1,2-Dichloroethane	53	
79-01-6	Trichloroethene	52	
78-87-5	1,2-Dichloropropane	52	
75-27-4	Bromodichloromethane	53	
10061-01-5	cis-1,3-Dichloropropene	55	
10061-02-6	trans-1,3-Dichloropropene	55	
79-00-5	1,1,2-Trichloroethane	51	
127-18-4	Tetrachloroethene	50	
124-48-1	Dibromochloromethane	53	
108-90-7	Chlorobenzene	52	
75-25-2	Bromoform	55	
79-34-5	1,1,2,2-Tetrachloroethane	53	
541-73-1	1,3-Dichlorobenzene	51	
106-46-7	1,4-Dichlorobenzene	51	
95-50-1	1,2-Dichlorobenzene	51	
110-75-8	2-Chloroethyl vinyl ether	50	

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	LCS-64012	103	96	99	100				0
02	LCSD-64012	101	98	99	99				0
03	MB-64012	102	97	97	98				0
04	ASMW-4	102	99	95	97				0
05	ASMW-5	103	93	97	97				0
06	ASMW-2	103	96	96	97				0
07	ASMW-3	103	98	95	98				0
08	ASMW-X	103	98	96	97				0
09	ASMW-6	104	98	96	98				0
10	ASMW-1	103	103	96	98				0
11	ASMW-7	104	99	95	98				0
12	AS	104	96	96	98				0
13	EW-1	103	96	95	97				0
14	EW-2	104	97	94	96				0

		QC LIMITS
VDMC1	(DBFM) Dibromofluoromethane	(85-115)
VDMC2	(DCE) = 1,2-Dichloroethane-d4	(70-120)
VDMC3	(TOL) = Toluene-d8	(85-120)
VDMC4	(BFB) = Bromofluorobenzene	(75-120)

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-64012

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Lab Sample ID: LCS-64012 LCS Lot No.:

Date Extracted: 01/03/2012 Date Analyzed (1): 01/03/2012

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	47.9764	96		48 - 135
Chloromethane	50.0000	0.0000	49.7822	100		1 - 273
Vinyl chloride	50.0000	0.0000	52.7788	106		1 - 251
Bromomethane	50.0000	0.0000	48.8025	98		1 - 242
Chloroethane	50.0000	0.0000	54.3986	109		14 - 230
Trichlorofluoromethane	50.0000	0.0000	53.4016	107		17 - 181
1,1-Dichloroethene	50.0000	0.0000	50.8763	102		1 - 234
Methylene chloride	50.0000	0.0000	52.2582	105		1 - 221
trans-1,2-Dichloroethene	50.0000	0.0000	51.5773	103		54 - 156
1,1-Dichloroethane	50.0000	0.0000	52.5604	105		59 - 155
cis-1,2-Dichloroethene	50.0000	0.0000	52.7412	105		83 - 120
Chloroform	50.0000	0.0000	52.8583	106		51 - 138
1,1,1-Trichloroethane	50.0000	0.0000	53.8731	108		52 - 162
Carbon tetrachloride	50.0000	0.0000	53.0983	106		70 - 140
1,2-Dichloroethane	50.0000	0.0000	52.3298	105		49 - 155
Trichloroethene	50.0000	0.0000	52.4720	105		71 - 157
1,2-Dichloropropane	50.0000	0.0000	53.5675	107		1 - 210
Bromodichloromethane	50.0000	0.0000	53.8122	108		35 - 155
cis-1,3-Dichloropropene	50.0000	0.0000	54.6134	109		1 - 227
trans-1,3-Dichloropropene	50.0000	0.0000	55.3473	111		17 - 183
1,1,2-Trichloroethane	50.0000	0.0000	52.9103	106		52 - 150
Tetrachloroethene	50.0000	0.0000	49.8600	100		64 - 148
Dibromochloromethane	50.0000	0.0000	53.6083	107		53 - 149
Chlorobenzene	50.0000	0.0000	51.8246	104		37 - 150
Bromoform	50.0000	0.0000	55.8814	112		45 - 169
1,1,2,2-Tetrachloroethane	50.0000	0.0000	51.4337	103		46 - 157
1,3-Dichlorobenzene	50.0000	0.0000	51.0761	102		59 - 156
1,4-Dichlorobenzene	50.0000	0.0000	49.8218	100		18 - 190
1,2-Dichlorobenzene	50.0000	0.0000	50.3434	101		18 - 190
2-Chloroethyl vinyl ether	50.0000	0.0000	46.9370	94		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 DUPLICATE RECOVERY

EPA SAMPLE NO.

LCSD-64012

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Lab Sample ID: LCSD-64012 LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	50.0000	43.2067	86		11		40	48 - 135
Chloromethane	50.0000	47.8231	96		4		40	1 - 273
Vinyl chloride	50.0000	51.9775	104		2		40	1 - 251
Bromomethane	50.0000	49.2901	99		1		40	1 - 242
Chloroethane	50.0000	51.4484	103		6		40	14 - 230
Trichlorofluoromethane	50.0000	49.3994	99		8		40	17 - 181
1,1-Dichloroethene	50.0000	52.3909	105		3		40	1 - 234
Methylene chloride	50.0000	52.6158	105		0		40	1 - 221
trans-1,2-Dichloroethene	50.0000	49.7571	100		3		40	54 - 156
1,1-Dichloroethane	50.0000	51.4769	103		2		40	59 - 155
cis-1,2-Dichloroethene	50.0000	52.8924	106		1		40	83 - 120
Chloroform	50.0000	51.6629	103		3		40	51 - 138
1,1,1-Trichloroethane	50.0000	53.3768	107		1		40	52 - 162
Carbon tetrachloride	50.0000	51.7260	103		3		40	70 - 140
1,2-Dichloroethane	50.0000	52.6084	105		0		40	49 - 155
Trichloroethene	50.0000	52.0359	104		1		40	71 - 157
1,2-Dichloropropane	50.0000	52.3275	105		2		40	1 - 210
Bromodichloromethane	50.0000	53.3543	107		1		40	35 - 155
cis-1,3-Dichloropropene	50.0000	54.8859	110		1		40	1 - 227
trans-1,3-Dichloropropene	50.0000	54.5527	109		2		40	17 - 183
1,1,2-Trichloroethane	50.0000	51.2499	102		4		40	52 - 150
Tetrachloroethene	50.0000	49.9267	100		0		40	64 - 148
Dibromochloromethane	50.0000	53.0887	106		1		40	53 - 149
Chlorobenzene	50.0000	51.8243	104		0		40	37 - 150
Bromoform	50.0000	54.9668	110		2		40	45 - 169
1,1,2,2-Tetrachloroethane	50.0000	52.8501	106		3		40	46 - 157
1,3-Dichlorobenzene	50.0000	51.2716	103		1		40	59 - 156
1,4-Dichlorobenzene	50.0000	50.6500	101		1		40	18 - 190
1,2-Dichlorobenzene	50.0000	50.9359	102		1		40	18 - 190
2-Chloroethyl vinyl ether	50.0000	49.9986	100		6		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-64012

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

Lab File ID: V6I4809.D Lab Sample ID: MB-64012

Instrument ID: V6

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 01/03/2012

Level: (TRACE or LOW/MED) LOW Time Analyzed: 18:46

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-64012	LCS-64012	V6I4805.D	17:13
02	LCSD-64012	LCSD-64012	V6I4806.D	17:37
03	ASMW-4	K2741-01A	V6I4817.D	21:53
04	ASMW-5	K2741-02A	V6I4818.D	22:17
05	ASMW-2	K2741-03A	V6I4819.D	22:40
06	ASMW-3	K2741-04A	V6I4820.D	23:04
07	ASMW-X	K2741-05A	V6I4821.D	23:27
08	ASMW-6	K2741-06A	V6I4822.D	23:51
09	ASMW-1	K2741-07A	V6I4823.D	0:14
10	ASMW-7	K2741-08A	V6I4824.D	0:38
11	AS	K2741-09A	V6I4825.D	1:01
12	EW-1	K2741-10A	V6I4826.D	1:25
13	EW-2	K2741-11A	V6I4827.D	1:48

COMMENTS:

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K2741 Mod. Ref No.: SDG No.: SK2741

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 01/03/2012 01/03/2012

EPA Sample No.(VSTD#####): VSTD0506H Date Analyzed: 01/03/2012

Lab File ID (Standard): V6I4804.D Time Analyzed: 16:35

Instrument ID: V6 Heated Purge: (Y/N) N

		IS1 (S1)		IS2 (S2)		IS3 (S3)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	1064302	5.057	1018874	8.027	630027	10.559
	UPPER LIMIT	2128604	5.557	2037748	8.527	1260054	11.059
	LOWER LIMIT	532151	4.557	509437	7.527	315014	10.059
	SAMPLE NO.						
01	LCS-64012	1059359	5.060	1006760	8.030	630534	10.562
02	LCSD-64012	1054812	5.057	994363	8.027	622860	10.559
03	MB-64012	1005278	5.057	975716	8.027	604760	10.560
04	ASMW-4	947100	5.058	928562	8.028	572482	10.561
05	ASMW-5	941794	5.061	919128	8.031	570259	10.563
06	ASMW-2	948324	5.060	929298	8.030	567555	10.562
07	ASMW-3	930978	5.060	919596	8.030	570730	10.562
08	ASMW-X	936088	5.061	915144	8.031	569378	10.563
09	ASMW-6	929752	5.057	916927	8.027	571146	10.560
10	ASMW-1	927025	5.059	911498	8.030	564238	10.562
11	ASMW-7	905747	5.058	901614	8.028	568347	10.560
12	AS	913050	5.060	900534	8.018	568016	10.562
13	EW-1	909634	5.058	905651	8.028	555960	10.561
14	EW-2	915145	5.058	915966	8.028	560887	10.560

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.

* Metals *

REPORT NARRATIVE

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

Client : Dvirka & Bartilucci

Project: Franklin Cleaners

Laboratory Workorder / SDG #: K2741

SW846 6010C

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

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005

V. INSTRUMENTATION

The following instrumentation was used to perform

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):

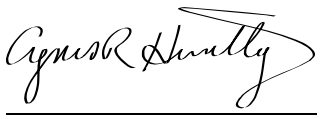
Serial Dilution analysis was performed on sample: AS (K2741-09BSD).

Percent differences were within the QC limits.

G. Samples:

No 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 RI, 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

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

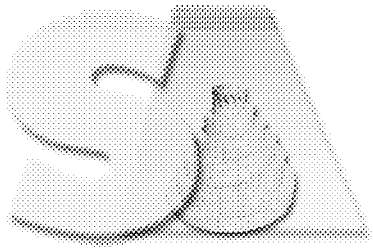
E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

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.



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

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

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

AS

Lab Name: Spectrum Analytical, Inc. Contract: 130050

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK2741

Matrix (soil/water): WATER Lab Sample ID: K2741-09

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
7439-89-6	Iron	63.4	B		P
7439-96-5	Manganese	14.1	B		P

Comments:

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 130050

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK2741

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-64020

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Iron	4550.0	4534.00	99.6						
Manganese	2270.0	2198.61	96.9						

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LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 130050

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK2741

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCSD-64020

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Iron	4550.0	4591.36	100.9						
Manganese	2270.0	2232.26	98.3						

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 130050

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK2741

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-64020**

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

OPTIMA3_120105A

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	01/05/12 8:33	C	01/05/12 8:55	C	01/05/12 9:28	C		C	M
Iron	31.0	U	31.0	U	31.0	U	31.0	U	31.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P