Environmental Compliance and Remediation

Babb & Associates, P.A.

May 31, 2012

Mr. Ervin Lane, Hydrogeologist
Field Operations Branch
NC Solid Waste Section
Mail Service Center 1646
Raleigh, NC 27699-1646

Re: 2012 First Semi-Annual Water Quality Monitoring Results
Columbus County MSWLF – Permit No. 24-01
Whiteville, North Carolina

Dear Ervin:

Babb & Associates, P.A. has completed the 2012 first semi-annual monitoring event at the Columbus County MSWLF. On April 30, 2012, nine groundwater monitoring wells were sampled and analyzed for Appendix I parameters. Two surface water monitoring stations (US-1 and DS-1) were also sampled for Appendix I parameters during this monitoring event. The Appendix I samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B and inorganic compounds by EPA Methods 6010B. The attached Figure 1 identifies the monitoring well and surface water sample locations and the groundwater flow direction across the site, which is to the north-northeast.

Only two VOCs were detected at a concentration exceeding the Solid Waste Section Limits (SWSL) in one groundwater monitoring well (MW-11). This monitoring well reported a concentration of benzene (3.07 ug/l) and 1,4-dichlorobenzene (6.11 ug/l) above the established 2L Groundwater Standards. These concentrations slightly exceed the 2L Groundwater Standards for benzene (1.0 ug/l) and 1,4-dichlorobenzene (6.0 ug/l). The concentration of the other VOC detected in MW-11 (chlorobenzene – 14.4 ug/l) was below the established 2L Groundwater Standard. The compound acetone was reported in monitoring well MW-5A (7.33 ug/l) and MW-7 (7.49 ug/l) at concentrations well below the established 2L Groundwater Standard of 6,000 ug/l. The presence of acetone in these two samples likely represents a laboratory artifact. No other VOCs were detected in any of the other groundwater monitoring wells above the laboratory detection limits or the 2L Groundwater Standards. A summary of the detected volatile organic compounds and the respective 2L Groundwater Standards is provided on the attached Table 1.

Inorganic compounds were detected at concentrations exceeding the laboratory detection limits in all nine groundwater monitoring wells. Only two inorganic compounds were detected at a concentration that exceeded the 2L Groundwater Standards. The concentrations of arsenic in MW-3A (0.0588 mg/l) and MW-11 (0.0111 mg/l) exceeded the established 2L Groundwater Standard for arsenic of 0.01 mg/l. The reported concentration of cadmium in MW-2A (0.00261 mg/l) exceeded the established 2L Groundwater Standard for cadmium of 0.002 mg/l). A

P.O. Box 37697
Raleigh, NC 27627
(919) 325-0696

summary of the detected inorganic compounds and the respective 2L Groundwater Standards are provided on Table 1.

Surface water samples were collected from the upstream monitoring station (US-1) and the downstream monitoring station (DS-1). Only one VOC was detected above the SWSLs or the laboratory detection limits in either of the two surface water samples collected. The downstream surface water sample reported the compound acetone at a concentration of 5.46 ug/l which is below the established 2B Surface Water Standard of 2,000 ug/l. The presence of acetone in this sample is likely a laboratory artifact. Several inorganic compounds were detected in the surface water samples US-1 and DS-1 above the laboratory detection limits but none exceeded the established 2B Surface Water Standards. A summary of the detected inorganic compounds and the respective 2B Surface Water Standards are provided on Table 2.

The groundwater and surface water laboratory analytical results are summarized on Tables 1 and 2, respectively. The results for the field parameters are provided on Table 3. Also attached to this report is the laboratory analytical report (Adobe and Excel EDD format).

If there are any questions regarding the attached information, please contact the undersigned at (919) 325-0696.

Respectfully,

Babb & Associates, P.A.

Gary D. Babb, P.G.
President

NORTH CAROLINA LICENSED SEAL 488 GEOLOGIST GARY D. BABB

Attachments

Cc: Mr. Kip McClary, Director
Columbus County Public Utilities

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Babb & Associates, P.A.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Gary D. Babb Phone: 919-325-0696

E-mail: gbabb@nc.rr.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Columbus County Landfill	354 Landfill Road Whiteville, NC	24-01	.0500	April 30, 2012

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify) _____

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Gary D. Babb, P.G. Licensed Geologist 919-325-0696

Facility Representative Name (Print) Title (Area Code) Telephone Number

Gary D. Babb May 30, 2012

Signature Date

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 488 GEOLOGIST GARY D. BABB

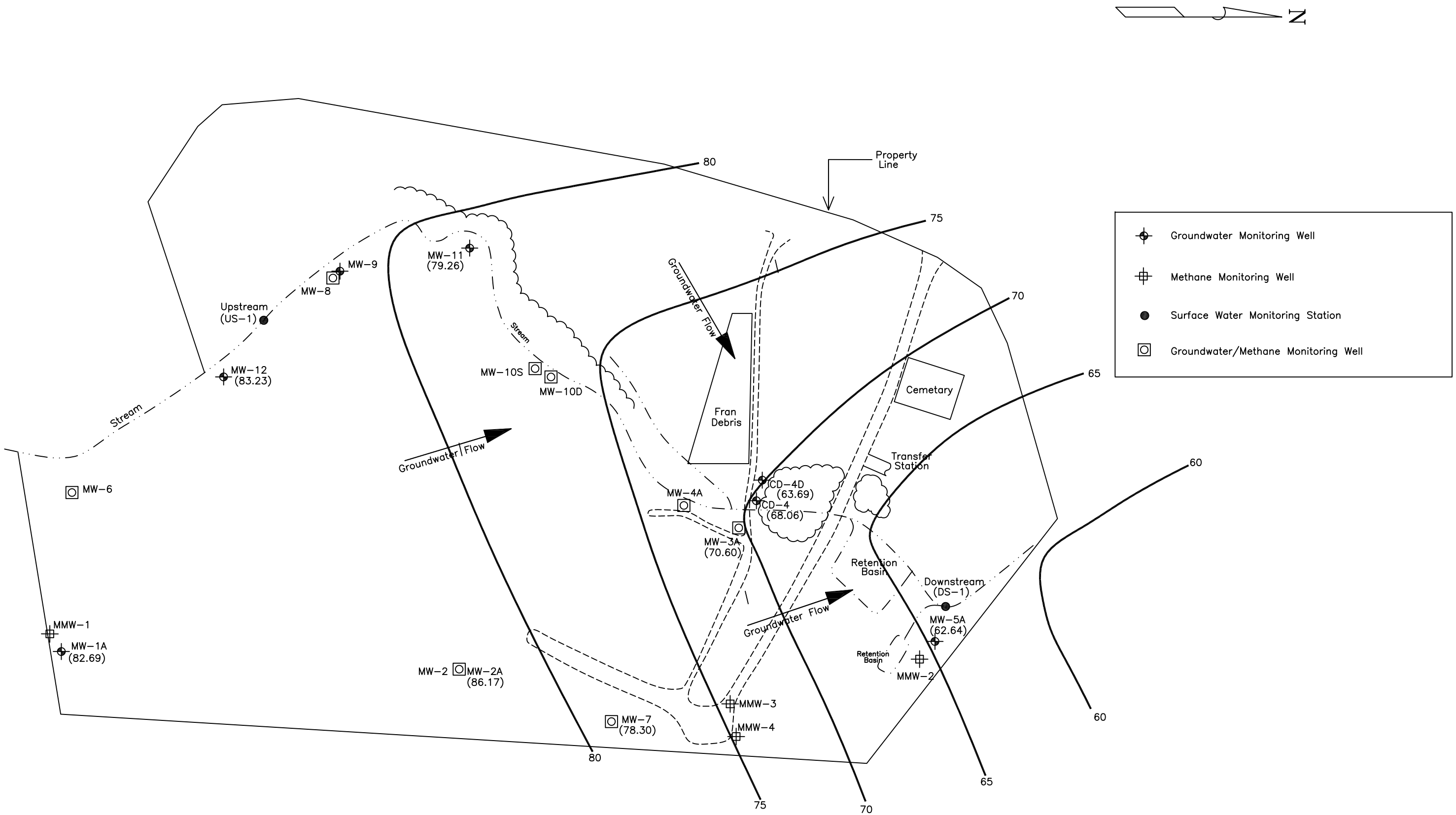
Babb & Associates, P.A., P.O. Box 37697, Raleigh, NC 27627

Facility Representative Address

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

FIGURES



Babb & Associates, P.A.

TITLE:	FIGURE NO:	SCALE:	PROJECT NO:
April 2012 Potentiometric Map Columbus County MSWLF Columbus County Whiteville, North Carolina	Figure 1	As Shown	
	CHECKED BY:	DRAWN BY:	DATE:
		G. Babb	4/30/12

TABLES

TABLE 1

2012 First Semi-Annual Laboratory Analytical Results
Columbus County Landfill
Whiteville, North Carolina

Parameter	MW-1A	MW-2A	MW-3A	CD-4	CD-4D	MW-5A	MW-7	MW-11	MW-12	2L Standards
Metals (ppm)										
Antimony	BQL	BQL	**0.00264**	BQL	BQL	BQL	**0.00967**	BQL	BQL	NE
Arsenic	BQL	0.000967 J	**0.0588**	**0.00151**	**0.00122**	**0.00276**	**0.00561**	**0.0111**	**0.00410**	0.01
Barium	**0.0287**	**0.0481**	**0.0839**	**0.151**	**0.149**	**0.191**	**0.144**	**0.175**	**0.141**	0.7
Beryllium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NE
Cadmium	BQL	0.00261	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.002
Chromium	**0.00494**	0.00161 J	BQL	0.00153 J	0.00143 J	0.00167 J	**0.00242**	**0.00208**	**0.00687**	0.01
Cobalt	**0.00182**	BQL	**0.0169**	**0.0110**	BQL	BQL	**0.00168**	**0.0117**	**0.00389**	NE
Copper	0.00135 J	0.00172 J	BQL	BQL	BQL	BQL	**0.00487**	BQL	**0.00292**	1.0
Lead	**0.0012**	0.000517 J	BQL	0.000754 J	0.000522 J	**0.00122**	**0.0144**	0.000631 J	**0.00476**	0.015
Nickel	**0.00414**	0.00323 J	**0.0339**	**0.00649**	0.00228 J	0.00291 J	**0.00996**	**0.0180**	**0.00888**	0.1
Selenium	**0.00113**	0.000901 J	**0.00145**	0.000788 J	BQL	**0.00326**	**0.00117**	**0.00727**	**0.00992**	0.02
Silver	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.02
Thallium	BQL	0.000121 J	BQL	BQL	BQL	BQL	BQL	0.000121 J	**0.000257**	NE
Vanadium	**0.00366**	**0.00150**	**0.00213**	**0.00137**	**0.00152**	**0.00269**	**0.00497**	**0.0020**	**0.00866**	NE
Zinc	**0.0527**	**0.0308**	BQL	**0.0370**	**0.0251**	0.0233 J	**0.0270**	**0.0383**	**0.160**	1.0
Method 8260B (ppb)										
Acetone	3.74 J	2.68 J	BQL	BQL	BQL	**7.33**	**7.49**	4.04 J	BQL	6,000
Benzene	BQL	BQL	BQL	BQL	BQL	BQL	BQL	**3.07**	BQL	1.0
Carbon disulfide	BQL	BQL	0.649 J	BQL	BQL	BQL	BQL	BQL	BQL	700
Chlorobenzene	BQL	BQL	BQL	BQL	BQL	BQL	BQL	**14.4**	0.236 J	50
1,2-Dichlorobenzene	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.382 J	BQL	20
1,3-Dichlorobenzene	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.262 J	BQL	200
1,4-Dichlorobenzene	BQL	BQL	BQL	BQL	BQL	BQL	BQL	**6.11**	0.225 J	6
1,1-Dichloroethane	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	6
cis-1,2-Dichloroethene	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	70
Ethyl Benzene	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	600
Methylene Chloride	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	5
Toluene	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	600
Total Xylene	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	500

Notes:

Samples collected on April 30, 2012

J - Between MDL and RL

B - Amount in Prep Blank > MDL

BQL - Below laboratory quantitation limit.

Bold concentrations equal or exceed laboratory quantitation limit.

Shaded concentrations equal or exceed established or interim standards.

NE - not established

NA - Not Analyzed

Table 2

2012 First Semi-Annual Surface Water Laboratory Analytical Results
Columbus County Landfill
Whiteville, North Carolina
Permit # 24-01

Parameter	US-1	DS-1	2B Std.
App. I Metals (ppm)			
Arsenic	0.000885 J	**0.00857**	0.05
Barium	**0.0371**	**0.0717**	1.0
Beryllium	BQL	BQL	0.0065
Cadmium	BQL	BQL	0.002
Chromium	0.00138 J	0.00191	0.05
Cobalt	BQL	**0.00135**	0.003
Copper	BQL	0.00126 J	0.007
Lead	0.00070 J	0.000957 J	0.025
Nickel	BQL	0.00394 J	0.088
Selenium	**0.00102**	0.000895 J	0.005
Silver	BQL	BQL	0.00006
Thallium	BQL	BQL	0.00024
Vanadium	**0.00152**	**0.00167**	NE
Zinc	0.0234 J	**0.0343**	0.05
Method 8260B (ppb)			
Acetone	BQL	**5.46**	2000

Notes:
Samples collected on April 30, 2012
BQL - Below laboratory quantitation limit.
J - Between MDL and RL
B - Amount in Prep Blank > MDL
Bold concentrations equal or exceed laboratory quantitation limit.
Shaded concentrations equal or exceed established or interim standards.

TABLE 3

2012 First Semi-Annual Field Parameters
Columbus County Landfill
Whiteville, North Carolina
Permit #24-01

Monitoring Well	Sample Date	Sample Time	Depth to GW	GW Elevation	Conductivity	Temperature - C	pH
MW-1A	4/30/2012	1336	21.16	82.69	4	19.5	5.8
MW-2A	4/30/2012	1350	5.18	86.17	151	17.7	5.1
MW-3A	4/30/2012	1258	7.01	70.60	923	16.9	6.8
MW-5A	4/30/2012	1421	4.52	62.64	2500	19.8	6.8
MW-7	4/30/2012	1401	3.97	78.30	216	21.0	5.9
MW-11	4/30/2012	1306	8.37	79.26	90	20.6	6.0
MW-12	4/30/2012	1330	9.57	83.23	552	18.0	6.1
CD-4	4/30/2012	1241	11.43	68.06	239	19.6	6.8
CD-4D	4/30/2012	1243	15.27	63.69	394	20.2	7.4
US-1	4/30/2012	1321	NA	NA	200	19.8	7.1
DS-1	4/30/2012	1415	NA	NA	43	20.6	6.6

Microbac

Laboratory Report Number: L12050017

Gary Babb
Babb & Associates, P.A.
PO Box 37697
Raleigh, NC 27627

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories. Review and compilation of your report was completed by Microbac's Ohio Valley Division (OVD). If you have any questions, comments, or require further assistance regarding this report, please contact your service representative listed below.

Laboratory Contact:
Stephanie Mossburg – Team Chemist/Data Specialist
(740) 373-4071
Stephanie.Mossburg@microbac.com

I certify that all test results meet all of the requirements of the accrediting authority listed below. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories. The reported results are related only to the samples analyzed as received.

This report was certified on May 08 2012

David E. Vandenberg

David Vandenberg – Managing Director

State of Origin: NC
Accrediting Authority: Department of the Environment and Natural Resources ID:583
QAPP: Microbac OVD

Microbac

Lab Report #: L12050017
Lab Project #: 3055.003
Project Name: Columbus
Lab Contact: Stephanie Mossburg

Record of Sample Receipt and Inspection

Comments/Discrepancies

This is the record of the shipment conditions and the inspection records for the samples received and reported as a sample delivery group (SDG). All of the samples were inspected and observed to conform to our receipt policies, except as noted below.

There were no discrepancies.

Discrepancy	Resolution

Coolers

Cooler #	Temperature Gun	Temperature	COC #	Airbill #
0017242	G	0.0		1002239584510004575000873013167938

Inspection Checklist

#	Question	Result
1	Were shipping coolers sealed?	Yes
2	Were custody seals intact?	Yes
3	Were cooler temperatures in range of 0-6?	Yes
4	Was ice present?	Yes
5	Were COC's received/information complete/signed and dated?	Yes
6	Were sample containers intact and match COC?	Yes
7	Were sample labels intact and match COC?	Yes
8	Were the correct containers and volumes received?	Yes
9	Were samples received within EPA hold times?	Yes
10	Were correct perservatives used? (water only)	NA
11	Were pH ranges acceptable? (voa's excluded)	NA
12	Were VOA samples free of headspace (less than 6mm)?	NA

Microbac

Lab Report #: L12050017
Lab Project #: 3055.003
Project Name: Columbus
Lab Contact: Stephanie Mossburg

Samples Received

Client ID	Laboratory ID	Date Collected	Date Received
2401 MW-1A	L12050017-01	04/30/2012 13:36	05/01/2012 10:14
2401 MW-2A	L12050017-02	04/30/2012 13:50	05/01/2012 10:14
2401 MW-3A	L12050017-03	04/30/2012 12:58	05/01/2012 10:14
2401 MW-5A	L12050017-04	04/30/2012 14:21	05/01/2012 10:14
2401 MW-7	L12050017-05	04/30/2012 14:01	05/01/2012 10:14
2401 MW-11	L12050017-06	04/30/2012 13:06	05/01/2012 10:14
2401 MW-12	L12050017-07	04/30/2012 13:30	05/01/2012 10:14
2401 CD-4	L12050017-08	04/30/2012 12:41	05/01/2012 10:14
2401 CD-4D	L12050017-09	04/30/2012 12:43	05/01/2012 10:14
2401 US-1	L12050017-10	04/30/2012 13:21	05/01/2012 10:14
2401 DS-1	L12050017-11	04/30/2012 14:15	05/01/2012 10:14
2401 TB	L12050017-12	04/30/2012 00:01	05/01/2012 10:14

Login Number: L12050017
Department: Metals
Analyst: Ji Hu

METHOD

Preparation: SW-846 3015

Analysis: SW-846 6020

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Interference Check Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

Continuing Calibration Blank: All acceptance criteria were met.

Low Level Check: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spikes: WG396772 - The post digestion spike performed on client sample 01 on 07-May-2012 yielded noncompliant results for cadmium and silver. The post digestion spike was reanalyzed on 08-May-2012 and was compliant for cadmium and silver.

Matrix Spikes: All acceptance criteria were met.

SAMPLES

Samples: WG396772 - Upon initial analysis of client sample 01, the indium internal standard yielded a recovery greater than 120%. The sample was reanalyzed for cadmium and silver.

Narrative ID: 45967
Approved By: Sheri Pfalzgraf

Certificate of Analysis

Sample #:	L12050017-01	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 MW-1A	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 18:07
Collect Date:	04/30/2012 13:36	**Dilution:**	1	**File ID:**	10M95223
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		ND	1.00	0.250
1,1,1-Trichloroethane	71-55-6		ND	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		ND	1.00	0.200
1,1,2-Trichloroethane	79-00-5		ND	1.00	0.250
1,1-Dichloroethane	75-34-3		ND	1.00	0.125
1,1-Dichloroethene	75-35-4		ND	1.00	0.500
1,1-Dichloropropene	563-58-6		ND	1.00	0.250
1,2,3-Trichloropropane	96-18-4		ND	1.00	0.500
1,2-Dibromo-3-chloropropane	96-12-8		ND	2.00	1.00
1,2-Dibromoethane	106-93-4		ND	1.00	0.250
1,2-Dichlorobenzene	95-50-1		ND	1.00	0.125
1,2-Dichloroethane	107-06-2		ND	1.00	0.250
1,2-Dichloropropane	78-87-5		ND	1.00	0.200
1,3-Dichlorobenzene	541-73-1		ND	1.00	0.250
1,4-Dichlorobenzene	106-46-7		ND	1.00	0.125
2-Butanone	78-93-3		ND	5.00	2.50
2-Hexanone	591-78-6		ND	5.00	2.50
4-Methyl-2-pentanone	108-10-1		ND	5.00	2.50
Acetone	67-64-1	3.74	J	5.00	2.50
Acetonitrile	75-05-8		ND	100	50.0
Acrylonitrile	107-13-1		ND	5.00	2.50
Benzene	71-43-2		ND	1.00	0.125
Bromochloromethane	74-97-5		ND	1.00	0.200
Bromodichloromethane	75-27-4		ND	1.00	0.250
Bromoform	75-25-2		ND	1.00	0.500
Bromomethane	74-83-9		ND	1.00	0.500
Carbon disulfide	75-15-0		ND	1.00	0.500
Carbon tetrachloride	56-23-5		ND	1.00	0.250
Chlorobenzene	108-90-7		ND	1.00	0.125
Chlorodibromomethane	124-48-1		ND	1.00	0.250
Chloroethane	75-00-3		ND	1.00	0.500
Chloroform	67-66-3		ND	1.00	0.125
Chloromethane	74-87-3		ND	1.00	0.500

Certificate of Analysis

Sample #:	L12050017-01	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 MW-1A	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 18:07
Collect Date:	04/30/2012 13:36	**Dilution:**	1	**File ID:**	10M95223
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
cis-1,2-Dichloroethene	156-59-2		ND	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		ND	1.00	0.250
Dibromomethane	74-95-3		ND	1.00	0.250
Ethylbenzene	100-41-4		ND	1.00	0.250
Iodomethane	74-88-4		ND	1.00	0.500
m-,p-Xylene	179601-23-1		ND	1.00	0.500
Methylene chloride	75-09-2		ND	1.00	0.250
o-Xylene	95-47-6		ND	1.00	0.250
Styrene	100-42-5		ND	1.00	0.125
Tetrachloroethene	127-18-4		ND	1.00	0.250
Toluene	108-88-3		ND	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		ND	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		ND	1.00	0.500
trans-1,4-Dichloro-2-Butene	110-57-6		ND	5.00	2.50
Trichloroethene	79-01-6		ND	1.00	0.250
Trichlorofluoromethane	75-69-4		ND	1.00	0.250
Vinyl acetate	108-05-4		ND	5.00	2.50
Vinyl chloride	75-01-4		ND	1.00	0.250

Surrogate	Recovery	Lower Limit	Upper Limit	Q
1,2-Dichloroethane-d4	80.9	80	120	
4-Bromofluorobenzene	94.9	86	115	
Dibromofluoromethane	87.5	86	118	
Toluene-d8	98.7	88	110	

J	Estimated value; the analyte concentration was less than the RL/LOQ.
ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-01	**PrePrep Method:**	N/A	**Instrument:**	PE-ICP2
Client ID:	2401 MW-1A	**Prep Method:**	3005A	**Prep Date:**	05/02/2012 06:50
Matrix:	Water	**Analytical Method:**	6010B	**Cal Date:**	05/02/2012 09:22
Workgroup #:	WG396792	**Analyst:**	KHR	**Run Date:**	05/02/2012 14:37
Collect Date:	04/30/2012 13:36	**Dilution:**	1	**File ID:**	P2.050212.143759
Sample Tag:	01	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Barium, Total	7440-39-3	0.0287		0.0100	0.00500
Beryllium, Total	7440-41-7		ND	0.0100	0.00500

ND	Not detected at or above the reporting limit (RL).

Sample #:	L12050017-01	**PrePrep Method:**	N/A	**Instrument:**	ICP-MS2
Client ID:	2401 MW-1A	**Prep Method:**	3015	**Prep Date:**	05/02/2012 07:07
Matrix:	Water	**Analytical Method:**	6020	**Cal Date:**	05/08/2012 09:20
Workgroup #:	WG396772	**Analyst:**	JYH	**Run Date:**	05/08/2012 09:43
Collect Date:	04/30/2012 13:36	**Dilution:**	1	**File ID:**	NI.050812.094347
Sample Tag:	03	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Cadmium, Total	7440-43-9		ND	0.000600	0.000300
Silver, Total	7440-22-4		ND	0.00100	0.000500

ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-01	**PrePrep Method:**	N/A	**Instrument:**	ICP-MS2
Client ID:	2401 MW-1A	**Prep Method:**	3015	**Prep Date:**	05/02/2012 07:07
Matrix:	Water	**Analytical Method:**	6020	**Cal Date:**	05/07/2012 15:32
Workgroup #:	WG396772	**Analyst:**	JYH	**Run Date:**	05/07/2012 16:18
Collect Date:	04/30/2012 13:36	**Dilution:**	1	**File ID:**	NI.050712.161827
Sample Tag:	02	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Antimony, Total	7440-36-0		ND	0.00100	0.000500
Arsenic, Total	7440-38-2		ND	0.00100	0.000500
Chromium, Total	7440-47-3	0.00494		0.00200	0.00100
Cobalt, Total	7440-48-4	0.00182		0.00100	0.000500
Copper, Total	7440-50-8	0.00135	J	0.00200	0.00100
Lead, Total	7439-92-1	0.00120		0.00100	0.000500
Nickel, Total	7440-02-0	0.00414		0.00400	0.00200
Selenium, Total	7782-49-2	0.00113		0.00100	0.000500
Thallium, Total	7440-28-0		ND	0.000200	0.000100
Vanadium, Total	7440-62-2	0.00366		0.00100	0.000500
Zinc, Total	7440-66-6	0.0527		0.0250	0.0125

J	Estimated value; the analyte concentration was less than the RL/LOQ.
ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-02	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 MW-2A	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 18:37
Collect Date:	04/30/2012 13:50	**Dilution:**	1	**File ID:**	10M95224
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		ND	1.00	0.250
1,1,1-Trichloroethane	71-55-6		ND	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		ND	1.00	0.200
1,1,2-Trichloroethane	79-00-5		ND	1.00	0.250
1,1-Dichloroethane	75-34-3		ND	1.00	0.125
1,1-Dichloroethene	75-35-4		ND	1.00	0.500
1,1-Dichloropropene	563-58-6		ND	1.00	0.250
1,2,3-Trichloropropane	96-18-4		ND	1.00	0.500
1,2-Dibromo-3-chloropropane	96-12-8		ND	2.00	1.00
1,2-Dibromoethane	106-93-4		ND	1.00	0.250
1,2-Dichlorobenzene	95-50-1		ND	1.00	0.125
1,2-Dichloroethane	107-06-2		ND	1.00	0.250
1,2-Dichloropropane	78-87-5		ND	1.00	0.200
1,3-Dichlorobenzene	541-73-1		ND	1.00	0.250
1,4-Dichlorobenzene	106-46-7		ND	1.00	0.125
2-Butanone	78-93-3		ND	5.00	2.50
2-Hexanone	591-78-6		ND	5.00	2.50
4-Methyl-2-pentanone	108-10-1		ND	5.00	2.50
Acetone	67-64-1	2.68	J	5.00	2.50
Acetonitrile	75-05-8		ND	100	50.0
Acrylonitrile	107-13-1		ND	5.00	2.50
Benzene	71-43-2		ND	1.00	0.125
Bromochloromethane	74-97-5		ND	1.00	0.200
Bromodichloromethane	75-27-4		ND	1.00	0.250
Bromoform	75-25-2		ND	1.00	0.500
Bromomethane	74-83-9		ND	1.00	0.500
Carbon disulfide	75-15-0		ND	1.00	0.500
Carbon tetrachloride	56-23-5		ND	1.00	0.250
Chlorobenzene	108-90-7		ND	1.00	0.125
Chlorodibromomethane	124-48-1		ND	1.00	0.250
Chloroethane	75-00-3		ND	1.00	0.500
Chloroform	67-66-3		ND	1.00	0.125
Chloromethane	74-87-3		ND	1.00	0.500

Certificate of Analysis

Sample #:	L12050017-02	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 MW-2A	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 18:37
Collect Date:	04/30/2012 13:50	**Dilution:**	1	**File ID:**	10M95224
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
cis-1,2-Dichloroethene	156-59-2		ND	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		ND	1.00	0.250
Dibromomethane	74-95-3		ND	1.00	0.250
Ethylbenzene	100-41-4		ND	1.00	0.250
Iodomethane	74-88-4		ND	1.00	0.500
m-,p-Xylene	179601-23-1		ND	1.00	0.500
Methylene chloride	75-09-2		ND	1.00	0.250
o-Xylene	95-47-6		ND	1.00	0.250
Styrene	100-42-5		ND	1.00	0.125
Tetrachloroethene	127-18-4		ND	1.00	0.250
Toluene	108-88-3		ND	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		ND	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		ND	1.00	0.500
trans-1,4-Dichloro-2-Butene	110-57-6		ND	5.00	2.50
Trichloroethene	79-01-6		ND	1.00	0.250
Trichlorofluoromethane	75-69-4		ND	1.00	0.250
Vinyl acetate	108-05-4		ND	5.00	2.50
Vinyl chloride	75-01-4		ND	1.00	0.250

Surrogate	Recovery	Lower Limit	Upper Limit	Q
1,2-Dichloroethane-d4	82.4	80	120	
4-Bromofluorobenzene	96.0	86	115	
Dibromofluoromethane	88.3	86	118	
Toluene-d8	98.9	88	110	

J	Estimated value; the analyte concentration was less than the RL/LOQ.
ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-02	**PrePrep Method:**	N/A	**Instrument:**	PE-ICP2
Client ID:	2401 MW-2A	**Prep Method:**	3005A	**Prep Date:**	05/02/2012 06:50
Matrix:	Water	**Analytical Method:**	6010B	**Cal Date:**	05/02/2012 09:22
Workgroup #:	WG396792	**Analyst:**	KHR	**Run Date:**	05/02/2012 15:49
Collect Date:	04/30/2012 13:50	**Dilution:**	1	**File ID:**	P2.050212.154925
Sample Tag:	01	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Barium, Total	7440-39-3	0.0481		0.0100	0.00500
Beryllium, Total	7440-41-7		ND	0.0100	0.00500

ND	Not detected at or above the reporting limit (RL).

Sample #:	L12050017-02	**PrePrep Method:**	N/A	**Instrument:**	ICP-MS2
Client ID:	2401 MW-2A	**Prep Method:**	3015	**Prep Date:**	05/02/2012 07:07
Matrix:	Water	**Analytical Method:**	6020	**Cal Date:**	05/07/2012 15:32
Workgroup #:	WG396772	**Analyst:**	JYH	**Run Date:**	05/07/2012 16:32
Collect Date:	04/30/2012 13:50	**Dilution:**	1	**File ID:**	NI.050712.163225
Sample Tag:	02	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Antimony, Total	7440-36-0		ND	0.00100	0.000500
Arsenic, Total	7440-38-2	0.000967	J	0.00100	0.000500
Cadmium, Total	7440-43-9	0.00261		0.000600	0.000300
Chromium, Total	7440-47-3	0.00161	J	0.00200	0.00100
Cobalt, Total	7440-48-4	0.00165		0.00100	0.000500
Copper, Total	7440-50-8	0.00172	J	0.00200	0.00100
Lead, Total	7439-92-1	0.000517	J	0.00100	0.000500
Nickel, Total	7440-02-0	0.00323	J	0.00400	0.00200
Selenium, Total	7782-49-2	0.000901	J	0.00100	0.000500
Silver, Total	7440-22-4		ND	0.00100	0.000500
Thallium, Total	7440-28-0	0.000121	J	0.000200	0.000100
Vanadium, Total	7440-62-2	0.00150		0.00100	0.000500
Zinc, Total	7440-66-6	0.0308		0.0250	0.0125

J	Estimated value; the analyte concentration was less than the RL/LOQ.
ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-03	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 MW-3A	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 19:07
Collect Date:	04/30/2012 12:58	**Dilution:**	1	**File ID:**	10M95225
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		ND	1.00	0.250
1,1,1-Trichloroethane	71-55-6		ND	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		ND	1.00	0.200
1,1,2-Trichloroethane	79-00-5		ND	1.00	0.250
1,1-Dichloroethane	75-34-3		ND	1.00	0.125
1,1-Dichloroethene	75-35-4		ND	1.00	0.500
1,1-Dichloropropene	563-58-6		ND	1.00	0.250
1,2,3-Trichloropropane	96-18-4		ND	1.00	0.500
1,2-Dibromo-3-chloropropane	96-12-8		ND	2.00	1.00
1,2-Dibromoethane	106-93-4		ND	1.00	0.250
1,2-Dichlorobenzene	95-50-1		ND	1.00	0.125
1,2-Dichloroethane	107-06-2		ND	1.00	0.250
1,2-Dichloropropane	78-87-5		ND	1.00	0.200
1,3-Dichlorobenzene	541-73-1		ND	1.00	0.250
1,4-Dichlorobenzene	106-46-7		ND	1.00	0.125
2-Butanone	78-93-3		ND	5.00	2.50
2-Hexanone	591-78-6		ND	5.00	2.50
4-Methyl-2-pentanone	108-10-1		ND	5.00	2.50
Acetone	67-64-1		ND	5.00	2.50
Acetonitrile	75-05-8		ND	100	50.0
Acrylonitrile	107-13-1		ND	5.00	2.50
Benzene	71-43-2		ND	1.00	0.125
Bromochloromethane	74-97-5		ND	1.00	0.200
Bromodichloromethane	75-27-4		ND	1.00	0.250
Bromoform	75-25-2		ND	1.00	0.500
Bromomethane	74-83-9		ND	1.00	0.500
Carbon disulfide	75-15-0	0.649	J	1.00	0.500
Carbon tetrachloride	56-23-5		ND	1.00	0.250
Chlorobenzene	108-90-7		ND	1.00	0.125
Chlorodibromomethane	124-48-1		ND	1.00	0.250
Chloroethane	75-00-3		ND	1.00	0.500
Chloroform	67-66-3		ND	1.00	0.125
Chloromethane	74-87-3		ND	1.00	0.500

Certificate of Analysis

Sample #:	L12050017-03	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 MW-3A	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 19:07
Collect Date:	04/30/2012 12:58	**Dilution:**	1	**File ID:**	10M95225
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
cis-1,2-Dichloroethene	156-59-2		ND	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		ND	1.00	0.250
Dibromomethane	74-95-3		ND	1.00	0.250
Ethylbenzene	100-41-4		ND	1.00	0.250
Iodomethane	74-88-4		ND	1.00	0.500
m-,p-Xylene	179601-23-1		ND	1.00	0.500
Methylene chloride	75-09-2		ND	1.00	0.250
o-Xylene	95-47-6		ND	1.00	0.250
Styrene	100-42-5		ND	1.00	0.125
Tetrachloroethene	127-18-4		ND	1.00	0.250
Toluene	108-88-3		ND	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		ND	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		ND	1.00	0.500
trans-1,4-Dichloro-2-Butene	110-57-6		ND	5.00	2.50
Trichloroethene	79-01-6		ND	1.00	0.250
Trichlorofluoromethane	75-69-4		ND	1.00	0.250
Vinyl acetate	108-05-4		ND	5.00	2.50
Vinyl chloride	75-01-4		ND	1.00	0.250

Surrogate	Recovery	Lower Limit	Upper Limit	Q
1,2-Dichloroethane-d4	82.2	80	120	
4-Bromofluorobenzene	98.0	86	115	
Dibromofluoromethane	90.7	86	118	
Toluene-d8	99.3	88	110	

J	Estimated value; the analyte concentration was less than the RL/LOQ.
ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-03	**PrePrep Method:**	N/A	**Instrument:**	PE-ICP2
Client ID:	2401 MW-3A	**Prep Method:**	3005A	**Prep Date:**	05/02/2012 06:50
Matrix:	Water	**Analytical Method:**	6010B	**Cal Date:**	05/02/2012 09:22
Workgroup #:	WG396792	**Analyst:**	KHR	**Run Date:**	05/02/2012 15:55
Collect Date:	04/30/2012 12:58	**Dilution:**	1	**File ID:**	P2.050212.155523
Sample Tag:	01	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Barium, Total	7440-39-3	0.0839		0.0100	0.00500
Beryllium, Total	7440-41-7		ND	0.0100	0.00500

ND	Not detected at or above the reporting limit (RL).

Sample #:	L12050017-03	**PrePrep Method:**	N/A	**Instrument:**	ICP-MS2
Client ID:	2401 MW-3A	**Prep Method:**	3015	**Prep Date:**	05/02/2012 07:07
Matrix:	Water	**Analytical Method:**	6020	**Cal Date:**	05/07/2012 15:32
Workgroup #:	WG396772	**Analyst:**	JYH	**Run Date:**	05/07/2012 16:35
Collect Date:	04/30/2012 12:58	**Dilution:**	1	**File ID:**	NI.050712.163512
Sample Tag:	02	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Antimony, Total	7440-36-0	0.00264		0.00100	0.000500
Arsenic, Total	7440-38-2	0.0588		0.00100	0.000500
Cadmium, Total	7440-43-9		ND	0.000600	0.000300
Chromium, Total	7440-47-3		ND	0.00200	0.00100
Cobalt, Total	7440-48-4	0.0169		0.00100	0.000500
Copper, Total	7440-50-8		ND	0.00200	0.00100
Lead, Total	7439-92-1		ND	0.00100	0.000500
Nickel, Total	7440-02-0	0.0339		0.00400	0.00200
Selenium, Total	7782-49-2	0.00145		0.00100	0.000500
Silver, Total	7440-22-4		ND	0.00100	0.000500
Thallium, Total	7440-28-0		ND	0.000200	0.000100
Vanadium, Total	7440-62-2	0.00213		0.00100	0.000500
Zinc, Total	7440-66-6		ND	0.0250	0.0125

ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-04	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 MW-5A	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 19:38
Collect Date:	04/30/2012 14:21	**Dilution:**	1	**File ID:**	10M95226
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		ND	1.00	0.250
1,1,1-Trichloroethane	71-55-6		ND	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		ND	1.00	0.200
1,1,2-Trichloroethane	79-00-5		ND	1.00	0.250
1,1-Dichloroethane	75-34-3		ND	1.00	0.125
1,1-Dichloroethene	75-35-4		ND	1.00	0.500
1,1-Dichloropropene	563-58-6		ND	1.00	0.250
1,2,3-Trichloropropane	96-18-4		ND	1.00	0.500
1,2-Dibromo-3-chloropropane	96-12-8		ND	2.00	1.00
1,2-Dibromoethane	106-93-4		ND	1.00	0.250
1,2-Dichlorobenzene	95-50-1		ND	1.00	0.125
1,2-Dichloroethane	107-06-2		ND	1.00	0.250
1,2-Dichloropropane	78-87-5		ND	1.00	0.200
1,3-Dichlorobenzene	541-73-1		ND	1.00	0.250
1,4-Dichlorobenzene	106-46-7		ND	1.00	0.125
2-Butanone	78-93-3		ND	5.00	2.50
2-Hexanone	591-78-6		ND	5.00	2.50
4-Methyl-2-pentanone	108-10-1		ND	5.00	2.50
Acetone	67-64-1	7.33		5.00	2.50
Acetonitrile	75-05-8		ND	100	50.0
Acrylonitrile	107-13-1		ND	5.00	2.50
Benzene	71-43-2		ND	1.00	0.125
Bromochloromethane	74-97-5		ND	1.00	0.200
Bromodichloromethane	75-27-4		ND	1.00	0.250
Bromoform	75-25-2		ND	1.00	0.500
Bromomethane	74-83-9		ND	1.00	0.500
Carbon disulfide	75-15-0		ND	1.00	0.500
Carbon tetrachloride	56-23-5		ND	1.00	0.250
Chlorobenzene	108-90-7		ND	1.00	0.125
Chlorodibromomethane	124-48-1		ND	1.00	0.250
Chloroethane	75-00-3		ND	1.00	0.500
Chloroform	67-66-3		ND	1.00	0.125
Chloromethane	74-87-3		ND	1.00	0.500

Certificate of Analysis

Sample #:	L12050017-04	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 MW-5A	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 19:38
Collect Date:	04/30/2012 14:21	**Dilution:**	1	**File ID:**	10M95226
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
cis-1,2-Dichloroethene	156-59-2		ND	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		ND	1.00	0.250
Dibromomethane	74-95-3		ND	1.00	0.250
Ethylbenzene	100-41-4		ND	1.00	0.250
Iodomethane	74-88-4		ND	1.00	0.500
m-,p-Xylene	179601-23-1		ND	1.00	0.500
Methylene chloride	75-09-2		ND	1.00	0.250
o-Xylene	95-47-6		ND	1.00	0.250
Styrene	100-42-5		ND	1.00	0.125
Tetrachloroethene	127-18-4		ND	1.00	0.250
Toluene	108-88-3		ND	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		ND	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		ND	1.00	0.500
trans-1,4-Dichloro-2-Butene	110-57-6		ND	5.00	2.50
Trichloroethene	79-01-6		ND	1.00	0.250
Trichlorofluoromethane	75-69-4		ND	1.00	0.250
Vinyl acetate	108-05-4		ND	5.00	2.50
Vinyl chloride	75-01-4		ND	1.00	0.250

Surrogate	Recovery	Lower Limit	Upper Limit	Q
1,2-Dichloroethane-d4	81.9	80	120	
4-Bromofluorobenzene	94.5	86	115	
Dibromofluoromethane	88.5	86	118	
Toluene-d8	98.0	88	110	

ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-04	**PrePrep Method:**	N/A	**Instrument:**	PE-ICP2
Client ID:	2401 MW-5A	**Prep Method:**	3005A	**Prep Date:**	05/02/2012 06:50
Matrix:	Water	**Analytical Method:**	6010B	**Cal Date:**	05/02/2012 09:22
Workgroup #:	WG396792	**Analyst:**	KHR	**Run Date:**	05/02/2012 16:01
Collect Date:	04/30/2012 14:21	**Dilution:**	1	**File ID:**	P2.050212.160122
Sample Tag:	01	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Barium, Total	7440-39-3	0.191		0.0100	0.00500
Beryllium, Total	7440-41-7		ND	0.0100	0.00500

ND	Not detected at or above the reporting limit (RL).

Sample #:	L12050017-04	**PrePrep Method:**	N/A	**Instrument:**	ICP-MS2
Client ID:	2401 MW-5A	**Prep Method:**	3015	**Prep Date:**	05/02/2012 07:07
Matrix:	Water	**Analytical Method:**	6020	**Cal Date:**	05/07/2012 15:32
Workgroup #:	WG396772	**Analyst:**	JYH	**Run Date:**	05/07/2012 16:38
Collect Date:	04/30/2012 14:21	**Dilution:**	1	**File ID:**	NI.050712.163800
Sample Tag:	02	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Antimony, Total	7440-36-0		ND	0.00100	0.000500
Arsenic, Total	7440-38-2	0.00276		0.00100	0.000500
Cadmium, Total	7440-43-9		ND	0.000600	0.000300
Chromium, Total	7440-47-3	0.00167	J	0.00200	0.00100
Cobalt, Total	7440-48-4		ND	0.00100	0.000500
Copper, Total	7440-50-8		ND	0.00200	0.00100
Lead, Total	7439-92-1	0.00122		0.00100	0.000500
Nickel, Total	7440-02-0	0.00291	J	0.00400	0.00200
Selenium, Total	7782-49-2	0.00326		0.00100	0.000500
Silver, Total	7440-22-4		ND	0.00100	0.000500
Thallium, Total	7440-28-0		ND	0.000200	0.000100
Vanadium, Total	7440-62-2	0.00269		0.00100	0.000500
Zinc, Total	7440-66-6	0.0233	J	0.0250	0.0125

J	Estimated value; the analyte concentration was less than the RL/LOQ.
ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-05	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 MW-7	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 20:08
Collect Date:	04/30/2012 14:01	**Dilution:**	1	**File ID:**	10M95227
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		ND	1.00	0.250
1,1,1-Trichloroethane	71-55-6		ND	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		ND	1.00	0.200
1,1,2-Trichloroethane	79-00-5		ND	1.00	0.250
1,1-Dichloroethane	75-34-3		ND	1.00	0.125
1,1-Dichloroethene	75-35-4		ND	1.00	0.500
1,1-Dichloropropene	563-58-6		ND	1.00	0.250
1,2,3-Trichloropropane	96-18-4		ND	1.00	0.500
1,2-Dibromo-3-chloropropane	96-12-8		ND	2.00	1.00
1,2-Dibromoethane	106-93-4		ND	1.00	0.250
1,2-Dichlorobenzene	95-50-1		ND	1.00	0.125
1,2-Dichloroethane	107-06-2		ND	1.00	0.250
1,2-Dichloropropane	78-87-5		ND	1.00	0.200
1,3-Dichlorobenzene	541-73-1		ND	1.00	0.250
1,4-Dichlorobenzene	106-46-7		ND	1.00	0.125
2-Butanone	78-93-3		ND	5.00	2.50
2-Hexanone	591-78-6		ND	5.00	2.50
4-Methyl-2-pentanone	108-10-1		ND	5.00	2.50
Acetone	67-64-1	7.49		5.00	2.50
Acetonitrile	75-05-8		ND	100	50.0
Acrylonitrile	107-13-1		ND	5.00	2.50
Benzene	71-43-2		ND	1.00	0.125
Bromochloromethane	74-97-5		ND	1.00	0.200
Bromodichloromethane	75-27-4		ND	1.00	0.250
Bromoform	75-25-2		ND	1.00	0.500
Bromomethane	74-83-9		ND	1.00	0.500
Carbon disulfide	75-15-0		ND	1.00	0.500
Carbon tetrachloride	56-23-5		ND	1.00	0.250
Chlorobenzene	108-90-7		ND	1.00	0.125
Chlorodibromomethane	124-48-1		ND	1.00	0.250
Chloroethane	75-00-3		ND	1.00	0.500
Chloroform	67-66-3		ND	1.00	0.125
Chloromethane	74-87-3		ND	1.00	0.500

Certificate of Analysis

Sample #:	L12050017-05	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 MW-7	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 20:08
Collect Date:	04/30/2012 14:01	**Dilution:**	1	**File ID:**	10M95227
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
cis-1,2-Dichloroethene	156-59-2		ND	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		ND	1.00	0.250
Dibromomethane	74-95-3		ND	1.00	0.250
Ethylbenzene	100-41-4		ND	1.00	0.250
Iodomethane	74-88-4		ND	1.00	0.500
m-,p-Xylene	179601-23-1		ND	1.00	0.500
Methylene chloride	75-09-2		ND	1.00	0.250
o-Xylene	95-47-6		ND	1.00	0.250
Styrene	100-42-5		ND	1.00	0.125
Tetrachloroethene	127-18-4		ND	1.00	0.250
Toluene	108-88-3		ND	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		ND	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		ND	1.00	0.500
trans-1,4-Dichloro-2-Butene	110-57-6		ND	5.00	2.50
Trichloroethene	79-01-6		ND	1.00	0.250
Trichlorofluoromethane	75-69-4		ND	1.00	0.250
Vinyl acetate	108-05-4		ND	5.00	2.50
Vinyl chloride	75-01-4		ND	1.00	0.250

Surrogate	Recovery	Lower Limit	Upper Limit	Q
1,2-Dichloroethane-d4	82.2	80	120	
4-Bromofluorobenzene	94.9	86	115	
Dibromofluoromethane	87.7	86	118	
Toluene-d8	98.6	88	110	

ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-05	**PrePrep Method:**	N/A	**Instrument:**	PE-ICP2
Client ID:	2401 MW-7	**Prep Method:**	3005A	**Prep Date:**	05/02/2012 06:50
Matrix:	Water	**Analytical Method:**	6010B	**Cal Date:**	05/02/2012 09:22
Workgroup #:	WG396792	**Analyst:**	KHR	**Run Date:**	05/02/2012 16:07
Collect Date:	04/30/2012 14:01	**Dilution:**	1	**File ID:**	P2.050212.160721
Sample Tag:	01	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Barium, Total	7440-39-3	0.144		0.0100	0.00500
Beryllium, Total	7440-41-7		ND	0.0100	0.00500

ND	Not detected at or above the reporting limit (RL).

Sample #:	L12050017-05	**PrePrep Method:**	N/A	**Instrument:**	ICP-MS2
Client ID:	2401 MW-7	**Prep Method:**	3015	**Prep Date:**	05/02/2012 07:07
Matrix:	Water	**Analytical Method:**	6020	**Cal Date:**	05/07/2012 15:32
Workgroup #:	WG396772	**Analyst:**	JYH	**Run Date:**	05/07/2012 16:40
Collect Date:	04/30/2012 14:01	**Dilution:**	1	**File ID:**	NI.050712.164046
Sample Tag:	02	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Antimony, Total	7440-36-0	0.00967		0.00100	0.000500
Arsenic, Total	7440-38-2	0.00561		0.00100	0.000500
Cadmium, Total	7440-43-9		ND	0.000600	0.000300
Chromium, Total	7440-47-3	0.00242		0.00200	0.00100
Cobalt, Total	7440-48-4	0.00168		0.00100	0.000500
Copper, Total	7440-50-8	0.00487		0.00200	0.00100
Lead, Total	7439-92-1	0.0144		0.00100	0.000500
Nickel, Total	7440-02-0	0.00996		0.00400	0.00200
Selenium, Total	7782-49-2	0.00117		0.00100	0.000500
Silver, Total	7440-22-4		ND	0.00100	0.000500
Thallium, Total	7440-28-0		ND	0.000200	0.000100
Vanadium, Total	7440-62-2	0.00497		0.00100	0.000500
Zinc, Total	7440-66-6	0.0270		0.0250	0.0125

ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-06	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 MW-11	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 20:38
Collect Date:	04/30/2012 13:06	**Dilution:**	1	**File ID:**	10M95228
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		ND	1.00	0.250
1,1,1-Trichloroethane	71-55-6		ND	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		ND	1.00	0.200
1,1,2-Trichloroethane	79-00-5		ND	1.00	0.250
1,1-Dichloroethane	75-34-3		ND	1.00	0.125
1,1-Dichloroethene	75-35-4		ND	1.00	0.500
1,1-Dichloropropene	563-58-6		ND	1.00	0.250
1,2,3-Trichloropropane	96-18-4		ND	1.00	0.500
1,2-Dibromo-3-chloropropane	96-12-8		ND	2.00	1.00
1,2-Dibromoethane	106-93-4		ND	1.00	0.250
1,2-Dichlorobenzene	95-50-1	0.382	J	1.00	0.125
1,2-Dichloroethane	107-06-2		ND	1.00	0.250
1,2-Dichloropropane	78-87-5		ND	1.00	0.200
1,3-Dichlorobenzene	541-73-1	0.262	J	1.00	0.250
1,4-Dichlorobenzene	106-46-7	6.11		1.00	0.125
2-Butanone	78-93-3		ND	5.00	2.50
2-Hexanone	591-78-6		ND	5.00	2.50
4-Methyl-2-pentanone	108-10-1		ND	5.00	2.50
Acetone	67-64-1	4.04	J	5.00	2.50
Acetonitrile	75-05-8		ND	100	50.0
Acrylonitrile	107-13-1		ND	5.00	2.50
Benzene	71-43-2	3.07		1.00	0.125
Bromochloromethane	74-97-5		ND	1.00	0.200
Bromodichloromethane	75-27-4		ND	1.00	0.250
Bromoform	75-25-2		ND	1.00	0.500
Bromomethane	74-83-9		ND	1.00	0.500
Carbon disulfide	75-15-0		ND	1.00	0.500
Carbon tetrachloride	56-23-5		ND	1.00	0.250
Chlorobenzene	108-90-7	14.4		1.00	0.125
Chlorodibromomethane	124-48-1		ND	1.00	0.250
Chloroethane	75-00-3		ND	1.00	0.500
Chloroform	67-66-3		ND	1.00	0.125
Chloromethane	74-87-3		ND	1.00	0.500

Certificate of Analysis

Sample #:	L12050017-06	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 MW-11	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 20:38
Collect Date:	04/30/2012 13:06	**Dilution:**	1	**File ID:**	10M95228
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
cis-1,2-Dichloroethene	156-59-2		ND	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		ND	1.00	0.250
Dibromomethane	74-95-3		ND	1.00	0.250
Ethylbenzene	100-41-4		ND	1.00	0.250
Iodomethane	74-88-4		ND	1.00	0.500
m-,p-Xylene	179601-23-1		ND	1.00	0.500
Methylene chloride	75-09-2		ND	1.00	0.250
o-Xylene	95-47-6		ND	1.00	0.250
Styrene	100-42-5		ND	1.00	0.125
Tetrachloroethene	127-18-4		ND	1.00	0.250
Toluene	108-88-3		ND	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		ND	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		ND	1.00	0.500
trans-1,4-Dichloro-2-Butene	110-57-6		ND	5.00	2.50
Trichloroethene	79-01-6		ND	1.00	0.250
Trichlorofluoromethane	75-69-4		ND	1.00	0.250
Vinyl acetate	108-05-4		ND	5.00	2.50
Vinyl chloride	75-01-4		ND	1.00	0.250

Surrogate	Recovery	Lower Limit	Upper Limit	Q
1,2-Dichloroethane-d4	81.0	80	120	
4-Bromofluorobenzene	95.8	86	115	
Dibromofluoromethane	91.4	86	118	
Toluene-d8	98.3	88	110	

J	Estimated value; the analyte concentration was less than the RL/LOQ.
ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-06	**PrePrep Method:**	N/A	**Instrument:**	PE-ICP2
Client ID:	2401 MW-11	**Prep Method:**	3005A	**Prep Date:**	05/02/2012 06:50
Matrix:	Water	**Analytical Method:**	6010B	**Cal Date:**	05/02/2012 09:22
Workgroup #:	WG396792	**Analyst:**	KHR	**Run Date:**	05/02/2012 16:13
Collect Date:	04/30/2012 13:06	**Dilution:**	1	**File ID:**	P2.050212.161321
Sample Tag:	01	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Barium, Total	7440-39-3	0.175		0.0100	0.00500
Beryllium, Total	7440-41-7		ND	0.0100	0.00500

ND	Not detected at or above the reporting limit (RL).

Sample #:	L12050017-06	**PrePrep Method:**	N/A	**Instrument:**	ICP-MS2
Client ID:	2401 MW-11	**Prep Method:**	3015	**Prep Date:**	05/02/2012 07:07
Matrix:	Water	**Analytical Method:**	6020	**Cal Date:**	05/07/2012 15:32
Workgroup #:	WG396772	**Analyst:**	JYH	**Run Date:**	05/07/2012 16:43
Collect Date:	04/30/2012 13:06	**Dilution:**	1	**File ID:**	NI.050712.164334
Sample Tag:	02	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Antimony, Total	7440-36-0		ND	0.00100	0.000500
Arsenic, Total	7440-38-2	0.0111		0.00100	0.000500
Cadmium, Total	7440-43-9		ND	0.000600	0.000300
Chromium, Total	7440-47-3	0.00208		0.00200	0.00100
Cobalt, Total	7440-48-4	0.0117		0.00100	0.000500
Copper, Total	7440-50-8		ND	0.00200	0.00100
Lead, Total	7439-92-1	0.000631	J	0.00100	0.000500
Nickel, Total	7440-02-0	0.0180		0.00400	0.00200
Selenium, Total	7782-49-2	0.00727		0.00100	0.000500
Silver, Total	7440-22-4		ND	0.00100	0.000500
Thallium, Total	7440-28-0	0.000121	J	0.000200	0.000100
Vanadium, Total	7440-62-2	0.00200		0.00100	0.000500
Zinc, Total	7440-66-6	0.0383		0.0250	0.0125

J	Estimated value; the analyte concentration was less than the RL/LOQ.
ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-07	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 MW-12	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 21:09
Collect Date:	04/30/2012 13:30	**Dilution:**	1	**File ID:**	10M95229
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		ND	1.00	0.250
1,1,1-Trichloroethane	71-55-6		ND	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		ND	1.00	0.200
1,1,2-Trichloroethane	79-00-5		ND	1.00	0.250
1,1-Dichloroethane	75-34-3		ND	1.00	0.125
1,1-Dichloroethene	75-35-4		ND	1.00	0.500
1,1-Dichloropropene	563-58-6		ND	1.00	0.250
1,2,3-Trichloropropane	96-18-4		ND	1.00	0.500
1,2-Dibromo-3-chloropropane	96-12-8		ND	2.00	1.00
1,2-Dibromoethane	106-93-4		ND	1.00	0.250
1,2-Dichlorobenzene	95-50-1		ND	1.00	0.125
1,2-Dichloroethane	107-06-2		ND	1.00	0.250
1,2-Dichloropropane	78-87-5		ND	1.00	0.200
1,3-Dichlorobenzene	541-73-1		ND	1.00	0.250
1,4-Dichlorobenzene	106-46-7	0.225	J	1.00	0.125
2-Butanone	78-93-3		ND	5.00	2.50
2-Hexanone	591-78-6		ND	5.00	2.50
4-Methyl-2-pentanone	108-10-1		ND	5.00	2.50
Acetone	67-64-1		ND	5.00	2.50
Acetonitrile	75-05-8		ND	100	50.0
Acrylonitrile	107-13-1		ND	5.00	2.50
Benzene	71-43-2		ND	1.00	0.125
Bromochloromethane	74-97-5		ND	1.00	0.200
Bromodichloromethane	75-27-4		ND	1.00	0.250
Bromoform	75-25-2		ND	1.00	0.500
Bromomethane	74-83-9		ND	1.00	0.500
Carbon disulfide	75-15-0		ND	1.00	0.500
Carbon tetrachloride	56-23-5		ND	1.00	0.250
Chlorobenzene	108-90-7	0.236	J	1.00	0.125
Chlorodibromomethane	124-48-1		ND	1.00	0.250
Chloroethane	75-00-3		ND	1.00	0.500
Chloroform	67-66-3		ND	1.00	0.125
Chloromethane	74-87-3		ND	1.00	0.500

Certificate of Analysis

Sample #:	L12050017-07	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 MW-12	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 21:09
Collect Date:	04/30/2012 13:30	**Dilution:**	1	**File ID:**	10M95229
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
cis-1,2-Dichloroethene	156-59-2		ND	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		ND	1.00	0.250
Dibromomethane	74-95-3		ND	1.00	0.250
Ethylbenzene	100-41-4		ND	1.00	0.250
Iodomethane	74-88-4		ND	1.00	0.500
m-,p-Xylene	179601-23-1		ND	1.00	0.500
Methylene chloride	75-09-2		ND	1.00	0.250
o-Xylene	95-47-6		ND	1.00	0.250
Styrene	100-42-5		ND	1.00	0.125
Tetrachloroethene	127-18-4		ND	1.00	0.250
Toluene	108-88-3		ND	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		ND	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		ND	1.00	0.500
trans-1,4-Dichloro-2-Butene	110-57-6		ND	5.00	2.50
Trichloroethene	79-01-6		ND	1.00	0.250
Trichlorofluoromethane	75-69-4		ND	1.00	0.250
Vinyl acetate	108-05-4		ND	5.00	2.50
Vinyl chloride	75-01-4		ND	1.00	0.250

Surrogate	Recovery	Lower Limit	Upper Limit	Q
1,2-Dichloroethane-d4	79.9	80	120	*
4-Bromofluorobenzene	95.1	86	115	
Dibromofluoromethane	88.9	86	118	
Toluene-d8	98.1	88	110	

*	Surrogate or spike compound out of range
J	Estimated value; the analyte concentration was less than the RL/LOQ.
ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-07	**PrePrep Method:**	N/A	**Instrument:**	PE-ICP2
Client ID:	2401 MW-12	**Prep Method:**	3005A	**Prep Date:**	05/02/2012 06:50
Matrix:	Water	**Analytical Method:**	6010B	**Cal Date:**	05/02/2012 09:22
Workgroup #:	WG396792	**Analyst:**	KHR	**Run Date:**	05/02/2012 16:19
Collect Date:	04/30/2012 13:30	**Dilution:**	1	**File ID:**	P2.050212.161923
Sample Tag:	01	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Barium, Total	7440-39-3	0.141		0.0100	0.00500
Beryllium, Total	7440-41-7		ND	0.0100	0.00500

ND	Not detected at or above the reporting limit (RL).

Sample #:	L12050017-07	**PrePrep Method:**	N/A	**Instrument:**	ICP-MS2
Client ID:	2401 MW-12	**Prep Method:**	3015	**Prep Date:**	05/02/2012 07:07
Matrix:	Water	**Analytical Method:**	6020	**Cal Date:**	05/07/2012 15:32
Workgroup #:	WG396772	**Analyst:**	JYH	**Run Date:**	05/07/2012 16:46
Collect Date:	04/30/2012 13:30	**Dilution:**	1	**File ID:**	NI.050712.164622
Sample Tag:	02	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Antimony, Total	7440-36-0		ND	0.00100	0.000500
Arsenic, Total	7440-38-2	0.00410		0.00100	0.000500
Cadmium, Total	7440-43-9		ND	0.000600	0.000300
Chromium, Total	7440-47-3	0.00687		0.00200	0.00100
Cobalt, Total	7440-48-4	0.00389		0.00100	0.000500
Copper, Total	7440-50-8	0.00292		0.00200	0.00100
Lead, Total	7439-92-1	0.00476		0.00100	0.000500
Nickel, Total	7440-02-0	0.00888		0.00400	0.00200
Selenium, Total	7782-49-2	0.00992		0.00100	0.000500
Silver, Total	7440-22-4		ND	0.00100	0.000500
Thallium, Total	7440-28-0	0.000257		0.000200	0.000100
Vanadium, Total	7440-62-2	0.00866		0.00100	0.000500
Zinc, Total	7440-66-6	0.160		0.0250	0.0125

ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-08	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 CD-4	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 21:39
Collect Date:	04/30/2012 12:41	**Dilution:**	1	**File ID:**	10M95230
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		ND	1.00	0.250
1,1,1-Trichloroethane	71-55-6		ND	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		ND	1.00	0.200
1,1,2-Trichloroethane	79-00-5		ND	1.00	0.250
1,1-Dichloroethane	75-34-3		ND	1.00	0.125
1,1-Dichloroethene	75-35-4		ND	1.00	0.500
1,1-Dichloropropene	563-58-6		ND	1.00	0.250
1,2,3-Trichloropropane	96-18-4		ND	1.00	0.500
1,2-Dibromo-3-chloropropane	96-12-8		ND	2.00	1.00
1,2-Dibromoethane	106-93-4		ND	1.00	0.250
1,2-Dichlorobenzene	95-50-1		ND	1.00	0.125
1,2-Dichloroethane	107-06-2		ND	1.00	0.250
1,2-Dichloropropane	78-87-5		ND	1.00	0.200
1,3-Dichlorobenzene	541-73-1		ND	1.00	0.250
1,4-Dichlorobenzene	106-46-7		ND	1.00	0.125
2-Butanone	78-93-3		ND	5.00	2.50
2-Hexanone	591-78-6		ND	5.00	2.50
4-Methyl-2-pentanone	108-10-1		ND	5.00	2.50
Acetone	67-64-1		ND	5.00	2.50
Acetonitrile	75-05-8		ND	100	50.0
Acrylonitrile	107-13-1		ND	5.00	2.50
Benzene	71-43-2		ND	1.00	0.125
Bromochloromethane	74-97-5		ND	1.00	0.200
Bromodichloromethane	75-27-4		ND	1.00	0.250
Bromoform	75-25-2		ND	1.00	0.500
Bromomethane	74-83-9		ND	1.00	0.500
Carbon disulfide	75-15-0		ND	1.00	0.500
Carbon tetrachloride	56-23-5		ND	1.00	0.250
Chlorobenzene	108-90-7		ND	1.00	0.125
Chlorodibromomethane	124-48-1		ND	1.00	0.250
Chloroethane	75-00-3		ND	1.00	0.500
Chloroform	67-66-3		ND	1.00	0.125
Chloromethane	74-87-3		ND	1.00	0.500

Certificate of Analysis

Sample #:	L12050017-08	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 CD-4	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 21:39
Collect Date:	04/30/2012 12:41	**Dilution:**	1	**File ID:**	10M95230
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
cis-1,2-Dichloroethene	156-59-2		ND	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		ND	1.00	0.250
Dibromomethane	74-95-3		ND	1.00	0.250
Ethylbenzene	100-41-4		ND	1.00	0.250
Iodomethane	74-88-4		ND	1.00	0.500
m-,p-Xylene	179601-23-1		ND	1.00	0.500
Methylene chloride	75-09-2		ND	1.00	0.250
o-Xylene	95-47-6		ND	1.00	0.250
Styrene	100-42-5		ND	1.00	0.125
Tetrachloroethene	127-18-4		ND	1.00	0.250
Toluene	108-88-3		ND	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		ND	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		ND	1.00	0.500
trans-1,4-Dichloro-2-Butene	110-57-6		ND	5.00	2.50
Trichloroethene	79-01-6		ND	1.00	0.250
Trichlorofluoromethane	75-69-4		ND	1.00	0.250
Vinyl acetate	108-05-4		ND	5.00	2.50
Vinyl chloride	75-01-4		ND	1.00	0.250

Surrogate	Recovery	Lower Limit	Upper Limit	Q
1,2-Dichloroethane-d4	80.8	80	120	
4-Bromofluorobenzene	94.8	86	115	
Dibromofluoromethane	90.0	86	118	
Toluene-d8	98.4	88	110	

ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-08	**PrePrep Method:**	N/A	**Instrument:**	PE-ICP2
Client ID:	2401 CD-4	**Prep Method:**	3005A	**Prep Date:**	05/02/2012 06:50
Matrix:	Water	**Analytical Method:**	6010B	**Cal Date:**	05/02/2012 09:22
Workgroup #:	WG396792	**Analyst:**	KHR	**Run Date:**	05/02/2012 16:25
Collect Date:	04/30/2012 12:41	**Dilution:**	1	**File ID:**	P2.050212.162523
Sample Tag:	01	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Barium, Total	7440-39-3	0.151		0.0100	0.00500
Beryllium, Total	7440-41-7		ND	0.0100	0.00500

ND	Not detected at or above the reporting limit (RL).

Sample #:	L12050017-08	**PrePrep Method:**	N/A	**Instrument:**	ICP-MS2
Client ID:	2401 CD-4	**Prep Method:**	3015	**Prep Date:**	05/02/2012 07:07
Matrix:	Water	**Analytical Method:**	6020	**Cal Date:**	05/07/2012 15:32
Workgroup #:	WG396772	**Analyst:**	JYH	**Run Date:**	05/07/2012 16:49
Collect Date:	04/30/2012 12:41	**Dilution:**	1	**File ID:**	NI.050712.164910
Sample Tag:	02	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Antimony, Total	7440-36-0		ND	0.00100	0.000500
Arsenic, Total	7440-38-2	0.00151		0.00100	0.000500
Cadmium, Total	7440-43-9		ND	0.000600	0.000300
Chromium, Total	7440-47-3	0.00153	J	0.00200	0.00100
Cobalt, Total	7440-48-4	0.0110		0.00100	0.000500
Copper, Total	7440-50-8		ND	0.00200	0.00100
Lead, Total	7439-92-1	0.000754	J	0.00100	0.000500
Nickel, Total	7440-02-0	0.00649		0.00400	0.00200
Selenium, Total	7782-49-2	0.000788	J	0.00100	0.000500
Silver, Total	7440-22-4		ND	0.00100	0.000500
Thallium, Total	7440-28-0		ND	0.000200	0.000100
Vanadium, Total	7440-62-2	0.00137		0.00100	0.000500
Zinc, Total	7440-66-6	0.0370		0.0250	0.0125

J	Estimated value; the analyte concentration was less than the RL/LOQ.
ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-09	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 CD-4D	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 22:09
Collect Date:	04/30/2012 12:43	**Dilution:**	1	**File ID:**	10M95231
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		ND	1.00	0.250
1,1,1-Trichloroethane	71-55-6		ND	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		ND	1.00	0.200
1,1,2-Trichloroethane	79-00-5		ND	1.00	0.250
1,1-Dichloroethane	75-34-3		ND	1.00	0.125
1,1-Dichloroethene	75-35-4		ND	1.00	0.500
1,1-Dichloropropene	563-58-6		ND	1.00	0.250
1,2,3-Trichloropropane	96-18-4		ND	1.00	0.500
1,2-Dibromo-3-chloropropane	96-12-8		ND	2.00	1.00
1,2-Dibromoethane	106-93-4		ND	1.00	0.250
1,2-Dichlorobenzene	95-50-1		ND	1.00	0.125
1,2-Dichloroethane	107-06-2		ND	1.00	0.250
1,2-Dichloropropane	78-87-5		ND	1.00	0.200
1,3-Dichlorobenzene	541-73-1		ND	1.00	0.250
1,4-Dichlorobenzene	106-46-7		ND	1.00	0.125
2-Butanone	78-93-3		ND	5.00	2.50
2-Hexanone	591-78-6		ND	5.00	2.50
4-Methyl-2-pentanone	108-10-1		ND	5.00	2.50
Acetone	67-64-1		ND	5.00	2.50
Acetonitrile	75-05-8		ND	100	50.0
Acrylonitrile	107-13-1		ND	5.00	2.50
Benzene	71-43-2		ND	1.00	0.125
Bromochloromethane	74-97-5		ND	1.00	0.200
Bromodichloromethane	75-27-4		ND	1.00	0.250
Bromoform	75-25-2		ND	1.00	0.500
Bromomethane	74-83-9		ND	1.00	0.500
Carbon disulfide	75-15-0		ND	1.00	0.500
Carbon tetrachloride	56-23-5		ND	1.00	0.250
Chlorobenzene	108-90-7		ND	1.00	0.125
Chlorodibromomethane	124-48-1		ND	1.00	0.250
Chloroethane	75-00-3		ND	1.00	0.500
Chloroform	67-66-3		ND	1.00	0.125
Chloromethane	74-87-3		ND	1.00	0.500

Certificate of Analysis

Sample #:	L12050017-09	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 CD-4D	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 22:09
Collect Date:	04/30/2012 12:43	**Dilution:**	1	**File ID:**	10M95231
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
cis-1,2-Dichloroethene	156-59-2		ND	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		ND	1.00	0.250
Dibromomethane	74-95-3		ND	1.00	0.250
Ethylbenzene	100-41-4		ND	1.00	0.250
Iodomethane	74-88-4		ND	1.00	0.500
m-,p-Xylene	179601-23-1		ND	1.00	0.500
Methylene chloride	75-09-2		ND	1.00	0.250
o-Xylene	95-47-6		ND	1.00	0.250
Styrene	100-42-5		ND	1.00	0.125
Tetrachloroethene	127-18-4		ND	1.00	0.250
Toluene	108-88-3		ND	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		ND	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		ND	1.00	0.500
trans-1,4-Dichloro-2-Butene	110-57-6		ND	5.00	2.50
Trichloroethene	79-01-6		ND	1.00	0.250
Trichlorofluoromethane	75-69-4		ND	1.00	0.250
Vinyl acetate	108-05-4		ND	5.00	2.50
Vinyl chloride	75-01-4		ND	1.00	0.250

Surrogate	Recovery	Lower Limit	Upper Limit	Q
1,2-Dichloroethane-d4	80.8	80	120	
4-Bromofluorobenzene	94.7	86	115	
Dibromofluoromethane	88.8	86	118	
Toluene-d8	99.1	88	110	

ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-09	**PrePrep Method:**	N/A	**Instrument:**	PE-ICP2
Client ID:	2401 CD-4D	**Prep Method:**	3005A	**Prep Date:**	05/02/2012 06:50
Matrix:	Water	**Analytical Method:**	6010B	**Cal Date:**	05/02/2012 09:22
Workgroup #:	WG396792	**Analyst:**	KHR	**Run Date:**	05/02/2012 16:44
Collect Date:	04/30/2012 12:43	**Dilution:**	1	**File ID:**	P2.050212.164416
Sample Tag:	01	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Barium, Total	7440-39-3	0.149		0.0100	0.00500
Beryllium, Total	7440-41-7		ND	0.0100	0.00500

ND	Not detected at or above the reporting limit (RL).

Sample #:	L12050017-09	**PrePrep Method:**	N/A	**Instrument:**	ICP-MS2
Client ID:	2401 CD-4D	**Prep Method:**	3015	**Prep Date:**	05/02/2012 07:07
Matrix:	Water	**Analytical Method:**	6020	**Cal Date:**	05/07/2012 15:32
Workgroup #:	WG396772	**Analyst:**	JYH	**Run Date:**	05/07/2012 16:51
Collect Date:	04/30/2012 12:43	**Dilution:**	1	**File ID:**	NI.050712.165157
Sample Tag:	02	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Antimony, Total	7440-36-0		ND	0.00100	0.000500
Arsenic, Total	7440-38-2	0.00122		0.00100	0.000500
Cadmium, Total	7440-43-9		ND	0.000600	0.000300
Chromium, Total	7440-47-3	0.00143	J	0.00200	0.00100
Cobalt, Total	7440-48-4		ND	0.00100	0.000500
Copper, Total	7440-50-8		ND	0.00200	0.00100
Lead, Total	7439-92-1	0.000522	J	0.00100	0.000500
Nickel, Total	7440-02-0	0.00228	J	0.00400	0.00200
Selenium, Total	7782-49-2		ND	0.00100	0.000500
Silver, Total	7440-22-4		ND	0.00100	0.000500
Thallium, Total	7440-28-0		ND	0.000200	0.000100
Vanadium, Total	7440-62-2	0.00152		0.00100	0.000500
Zinc, Total	7440-66-6	0.0251		0.0250	0.0125

J	Estimated value; the analyte concentration was less than the RL/LOQ.
ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-10	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 US-1	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 22:40
Collect Date:	04/30/2012 13:21	**Dilution:**	1	**File ID:**	10M95232
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		ND	1.00	0.250
1,1,1-Trichloroethane	71-55-6		ND	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		ND	1.00	0.200
1,1,2-Trichloroethane	79-00-5		ND	1.00	0.250
1,1-Dichloroethane	75-34-3		ND	1.00	0.125
1,1-Dichloroethene	75-35-4		ND	1.00	0.500
1,1-Dichloropropene	563-58-6		ND	1.00	0.250
1,2,3-Trichloropropane	96-18-4		ND	1.00	0.500
1,2-Dibromo-3-chloropropane	96-12-8		ND	2.00	1.00
1,2-Dibromoethane	106-93-4		ND	1.00	0.250
1,2-Dichlorobenzene	95-50-1		ND	1.00	0.125
1,2-Dichloroethane	107-06-2		ND	1.00	0.250
1,2-Dichloropropane	78-87-5		ND	1.00	0.200
1,3-Dichlorobenzene	541-73-1		ND	1.00	0.250
1,4-Dichlorobenzene	106-46-7		ND	1.00	0.125
2-Butanone	78-93-3		ND	5.00	2.50
2-Hexanone	591-78-6		ND	5.00	2.50
4-Methyl-2-pentanone	108-10-1		ND	5.00	2.50
Acetone	67-64-1		ND	5.00	2.50
Acetonitrile	75-05-8		ND	100	50.0
Acrylonitrile	107-13-1		ND	5.00	2.50
Benzene	71-43-2		ND	1.00	0.125
Bromochloromethane	74-97-5		ND	1.00	0.200
Bromodichloromethane	75-27-4		ND	1.00	0.250
Bromoform	75-25-2		ND	1.00	0.500
Bromomethane	74-83-9		ND	1.00	0.500
Carbon disulfide	75-15-0		ND	1.00	0.500
Carbon tetrachloride	56-23-5		ND	1.00	0.250
Chlorobenzene	108-90-7		ND	1.00	0.125
Chlorodibromomethane	124-48-1		ND	1.00	0.250
Chloroethane	75-00-3		ND	1.00	0.500
Chloroform	67-66-3		ND	1.00	0.125
Chloromethane	74-87-3		ND	1.00	0.500

Certificate of Analysis

Sample #:	L12050017-10	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 US-1	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 22:40
Collect Date:	04/30/2012 13:21	**Dilution:**	1	**File ID:**	10M95232
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
cis-1,2-Dichloroethene	156-59-2		ND	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		ND	1.00	0.250
Dibromomethane	74-95-3		ND	1.00	0.250
Ethylbenzene	100-41-4		ND	1.00	0.250
Iodomethane	74-88-4		ND	1.00	0.500
m-,p-Xylene	179601-23-1		ND	1.00	0.500
Methylene chloride	75-09-2		ND	1.00	0.250
o-Xylene	95-47-6		ND	1.00	0.250
Styrene	100-42-5		ND	1.00	0.125
Tetrachloroethene	127-18-4		ND	1.00	0.250
Toluene	108-88-3		ND	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		ND	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		ND	1.00	0.500
trans-1,4-Dichloro-2-Butene	110-57-6		ND	5.00	2.50
Trichloroethene	79-01-6		ND	1.00	0.250
Trichlorofluoromethane	75-69-4		ND	1.00	0.250
Vinyl acetate	108-05-4		ND	5.00	2.50
Vinyl chloride	75-01-4		ND	1.00	0.250

Surrogate	Recovery	Lower Limit	Upper Limit	Q
1,2-Dichloroethane-d4	80.7	80	120	
4-Bromofluorobenzene	94.7	86	115	
Dibromofluoromethane	90.7	86	118	
Toluene-d8	97.6	88	110	

ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-10	**PrePrep Method:**	N/A	**Instrument:**	PE-ICP2
Client ID:	2401 US-1	**Prep Method:**	3005A	**Prep Date:**	05/02/2012 06:50
Matrix:	Water	**Analytical Method:**	6010B	**Cal Date:**	05/02/2012 09:22
Workgroup #:	WG396792	**Analyst:**	KHR	**Run Date:**	05/02/2012 16:50
Collect Date:	04/30/2012 13:21	**Dilution:**	1	**File ID:**	P2.050212.165015
Sample Tag:	01	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Barium, Total	7440-39-3	0.0371		0.0100	0.00500
Beryllium, Total	7440-41-7		ND	0.0100	0.00500

ND	Not detected at or above the reporting limit (RL).

Sample #:	L12050017-10	**PrePrep Method:**	N/A	**Instrument:**	ICP-MS2
Client ID:	2401 US-1	**Prep Method:**	3015	**Prep Date:**	05/02/2012 07:07
Matrix:	Water	**Analytical Method:**	6020	**Cal Date:**	05/07/2012 15:32
Workgroup #:	WG396772	**Analyst:**	JYH	**Run Date:**	05/07/2012 16:54
Collect Date:	04/30/2012 13:21	**Dilution:**	1	**File ID:**	NI.050712.165445
Sample Tag:	02	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Antimony, Total	7440-36-0		ND	0.00100	0.000500
Arsenic, Total	7440-38-2	0.000885	J	0.00100	0.000500
Cadmium, Total	7440-43-9		ND	0.000600	0.000300
Chromium, Total	7440-47-3	0.00138	J	0.00200	0.00100
Cobalt, Total	7440-48-4		ND	0.00100	0.000500
Copper, Total	7440-50-8		ND	0.00200	0.00100
Lead, Total	7439-92-1	0.000700	J	0.00100	0.000500
Nickel, Total	7440-02-0		ND	0.00400	0.00200
Selenium, Total	7782-49-2	0.00102		0.00100	0.000500
Silver, Total	7440-22-4		ND	0.00100	0.000500
Thallium, Total	7440-28-0		ND	0.000200	0.000100
Vanadium, Total	7440-62-2	0.00152		0.00100	0.000500
Zinc, Total	7440-66-6	0.0234	J	0.0250	0.0125

J	Estimated value; the analyte concentration was less than the RL/LOQ.
ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-11	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 DS-1	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 23:11
Collect Date:	04/30/2012 14:15	**Dilution:**	1	**File ID:**	10M95233
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		ND	1.00	0.250
1,1,1-Trichloroethane	71-55-6		ND	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		ND	1.00	0.200
1,1,2-Trichloroethane	79-00-5		ND	1.00	0.250
1,1-Dichloroethane	75-34-3		ND	1.00	0.125
1,1-Dichloroethene	75-35-4		ND	1.00	0.500
1,1-Dichloropropene	563-58-6		ND	1.00	0.250
1,2,3-Trichloropropane	96-18-4		ND	1.00	0.500
1,2-Dibromo-3-chloropropane	96-12-8		ND	2.00	1.00
1,2-Dibromoethane	106-93-4		ND	1.00	0.250
1,2-Dichlorobenzene	95-50-1		ND	1.00	0.125
1,2-Dichloroethane	107-06-2		ND	1.00	0.250
1,2-Dichloropropane	78-87-5		ND	1.00	0.200
1,3-Dichlorobenzene	541-73-1		ND	1.00	0.250
1,4-Dichlorobenzene	106-46-7		ND	1.00	0.125
2-Butanone	78-93-3		ND	5.00	2.50
2-Hexanone	591-78-6		ND	5.00	2.50
4-Methyl-2-pentanone	108-10-1		ND	5.00	2.50
Acetone	67-64-1	5.46		5.00	2.50
Acetonitrile	75-05-8		ND	100	50.0
Acrylonitrile	107-13-1		ND	5.00	2.50
Benzene	71-43-2		ND	1.00	0.125
Bromochloromethane	74-97-5		ND	1.00	0.200
Bromodichloromethane	75-27-4		ND	1.00	0.250
Bromoform	75-25-2		ND	1.00	0.500
Bromomethane	74-83-9		ND	1.00	0.500
Carbon disulfide	75-15-0		ND	1.00	0.500
Carbon tetrachloride	56-23-5		ND	1.00	0.250
Chlorobenzene	108-90-7		ND	1.00	0.125
Chlorodibromomethane	124-48-1		ND	1.00	0.250
Chloroethane	75-00-3		ND	1.00	0.500
Chloroform	67-66-3		ND	1.00	0.125
Chloromethane	74-87-3		ND	1.00	0.500

Certificate of Analysis

Sample #:	L12050017-11	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 DS-1	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 23:11
Collect Date:	04/30/2012 14:15	**Dilution:**	1	**File ID:**	10M95233
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
cis-1,2-Dichloroethene	156-59-2		ND	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		ND	1.00	0.250
Dibromomethane	74-95-3		ND	1.00	0.250
Ethylbenzene	100-41-4		ND	1.00	0.250
Iodomethane	74-88-4		ND	1.00	0.500
m-,p-Xylene	179601-23-1		ND	1.00	0.500
Methylene chloride	75-09-2		ND	1.00	0.250
o-Xylene	95-47-6		ND	1.00	0.250
Styrene	100-42-5		ND	1.00	0.125
Tetrachloroethene	127-18-4		ND	1.00	0.250
Toluene	108-88-3		ND	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		ND	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		ND	1.00	0.500
trans-1,4-Dichloro-2-Butene	110-57-6		ND	5.00	2.50
Trichloroethene	79-01-6		ND	1.00	0.250
Trichlorofluoromethane	75-69-4		ND	1.00	0.250
Vinyl acetate	108-05-4		ND	5.00	2.50
Vinyl chloride	75-01-4		ND	1.00	0.250

Surrogate	Recovery	Lower Limit	Upper Limit	Q
1,2-Dichloroethane-d4	80.5	80	120	
4-Bromofluorobenzene	97.8	86	115	
Dibromofluoromethane	89.0	86	118	
Toluene-d8	99.7	88	110	

ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-11	**PrePrep Method:**	N/A	**Instrument:**	PE-ICP2
Client ID:	2401 DS-1	**Prep Method:**	3005A	**Prep Date:**	05/02/2012 06:50
Matrix:	Water	**Analytical Method:**	6010B	**Cal Date:**	05/02/2012 09:22
Workgroup #:	WG396792	**Analyst:**	KHR	**Run Date:**	05/02/2012 16:56
Collect Date:	04/30/2012 14:15	**Dilution:**	1	**File ID:**	P2.050212.165612
Sample Tag:	01	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Barium, Total	7440-39-3	0.0717		0.0100	0.00500
Beryllium, Total	7440-41-7		ND	0.0100	0.00500

ND	Not detected at or above the reporting limit (RL).

Sample #:	L12050017-11	**PrePrep Method:**	N/A	**Instrument:**	ICP-MS2
Client ID:	2401 DS-1	**Prep Method:**	3015	**Prep Date:**	05/02/2012 07:07
Matrix:	Water	**Analytical Method:**	6020	**Cal Date:**	05/07/2012 15:32
Workgroup #:	WG396772	**Analyst:**	JYH	**Run Date:**	05/07/2012 16:57
Collect Date:	04/30/2012 14:15	**Dilution:**	1	**File ID:**	NI.050712.165732
Sample Tag:	02	**Units:**	mg/L		

Analyte	CAS #	Result	Qual	RL	MDL
Antimony, Total	7440-36-0		ND	0.00100	0.000500
Arsenic, Total	7440-38-2	0.00857		0.00100	0.000500
Cadmium, Total	7440-43-9		ND	0.000600	0.000300
Chromium, Total	7440-47-3	0.00191	J	0.00200	0.00100
Cobalt, Total	7440-48-4	0.00135		0.00100	0.000500
Copper, Total	7440-50-8	0.00126	J	0.00200	0.00100
Lead, Total	7439-92-1	0.000957	J	0.00100	0.000500
Nickel, Total	7440-02-0	0.00394	J	0.00400	0.00200
Selenium, Total	7782-49-2	0.000895	J	0.00100	0.000500
Silver, Total	7440-22-4		ND	0.00100	0.000500
Thallium, Total	7440-28-0		ND	0.000200	0.000100
Vanadium, Total	7440-62-2	0.00167		0.00100	0.000500
Zinc, Total	7440-66-6	0.0343		0.0250	0.0125

J	Estimated value; the analyte concentration was less than the RL/LOQ.
ND	Not detected at or above the reporting limit (RL).

Certificate of Analysis

Sample #:	L12050017-12	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 TB	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 17:36
Collect Date:	04/30/2012 00:01	**Dilution:**	1	**File ID:**	10M95222
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		ND	1.00	0.250
1,1,1-Trichloroethane	71-55-6		ND	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		ND	1.00	0.200
1,1,2-Trichloroethane	79-00-5		ND	1.00	0.250
1,1-Dichloroethane	75-34-3		ND	1.00	0.125
1,1-Dichloroethene	75-35-4		ND	1.00	0.500
1,1-Dichloropropene	563-58-6		ND	1.00	0.250
1,2,3-Trichloropropane	96-18-4		ND	1.00	0.500
1,2-Dibromo-3-chloropropane	96-12-8		ND	2.00	1.00
1,2-Dibromoethane	106-93-4		ND	1.00	0.250
1,2-Dichlorobenzene	95-50-1		ND	1.00	0.125
1,2-Dichloroethane	107-06-2		ND	1.00	0.250
1,2-Dichloropropane	78-87-5		ND	1.00	0.200
1,3-Dichlorobenzene	541-73-1		ND	1.00	0.250
1,4-Dichlorobenzene	106-46-7		ND	1.00	0.125
2-Butanone	78-93-3		ND	5.00	2.50
2-Hexanone	591-78-6		ND	5.00	2.50
4-Methyl-2-pentanone	108-10-1		ND	5.00	2.50
Acetone	67-64-1		ND	5.00	2.50
Acetonitrile	75-05-8		ND	100	50.0
Acrylonitrile	107-13-1		ND	5.00	2.50
Benzene	71-43-2		ND	1.00	0.125
Bromochloromethane	74-97-5		ND	1.00	0.200
Bromodichloromethane	75-27-4		ND	1.00	0.250
Bromoform	75-25-2		ND	1.00	0.500
Bromomethane	74-83-9		ND	1.00	0.500
Carbon disulfide	75-15-0		ND	1.00	0.500
Carbon tetrachloride	56-23-5		ND	1.00	0.250
Chlorobenzene	108-90-7		ND	1.00	0.125
Chlorodibromomethane	124-48-1		ND	1.00	0.250
Chloroethane	75-00-3		ND	1.00	0.500
Chloroform	67-66-3		ND	1.00	0.125
Chloromethane	74-87-3		ND	1.00	0.500

Certificate of Analysis

Sample #:	L12050017-12	**PrePrep Method:**	N/A	**Instrument:**	HPMS10
Client ID:	2401 TB	**Prep Method:**	5030B/5030C/5035A	**Prep Date:**	N/A
Matrix:	Water	**Analytical Method:**	8260B	**Cal Date:**	04/17/2012 20:46
Workgroup #:	WG397115	**Analyst:**	MES	**Run Date:**	05/05/2012 17:36
Collect Date:	04/30/2012 00:01	**Dilution:**	1	**File ID:**	10M95222
Sample Tag:	01	**Units:**	ug/L		

Analyte	CAS #	Result	Qual	RL	MDL
cis-1,2-Dichloroethene	156-59-2		ND	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		ND	1.00	0.250
Dibromomethane	74-95-3		ND	1.00	0.250
Ethylbenzene	100-41-4		ND	1.00	0.250
Iodomethane	74-88-4		ND	1.00	0.500
m-,p-Xylene	179601-23-1		ND	1.00	0.500
Methylene chloride	75-09-2		ND	1.00	0.250
o-Xylene	95-47-6		ND	1.00	0.250
Styrene	100-42-5		ND	1.00	0.125
Tetrachloroethene	127-18-4		ND	1.00	0.250
Toluene	108-88-3		ND	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		ND	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		ND	1.00	0.500
trans-1,4-Dichloro-2-Butene	110-57-6		ND	5.00	2.50
Trichloroethene	79-01-6		ND	1.00	0.250
Trichlorofluoromethane	75-69-4		ND	1.00	0.250
Vinyl acetate	108-05-4		ND	5.00	2.50
Vinyl chloride	75-01-4		ND	1.00	0.250

Surrogate	Recovery	Lower Limit	Upper Limit	Q
1,2-Dichloroethane-d4	80.9	80	120	
4-Bromofluorobenzene	97.5	86	115	
Dibromofluoromethane	88.7	86	118	
Toluene-d8	99.7	88	110	

ND	Not detected at or above the reporting limit (RL).

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L12050017
Blank File ID: 10M95218
Prep Date: 05/05/12 15:35
Analyzed Date: 05/05/12 15:35
Analyst: MES

Work Group: WG397115
Blank Sample ID: WG397115-01
Instrument ID: HPMS10
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG397115-02	10M95219	05/05/12 16:05	01
LCS2	WG397115-03	10M95220	05/05/12 16:36	01
2401 TB	L12050017-12	10M95222	05/05/12 17:36	01
2401 MW-1A	L12050017-01	10M95223	05/05/12 18:07	01
2401 MW-2A	L12050017-02	10M95224	05/05/12 18:37	01
2401 MW-3A	L12050017-03	10M95225	05/05/12 19:07	01
2401 MW-5A	L12050017-04	10M95226	05/05/12 19:38	01
2401 MW-7	L12050017-05	10M95227	05/05/12 20:08	01
2401 MW-11	L12050017-06	10M95228	05/05/12 20:38	01
2401 MW-12	L12050017-07	10M95229	05/05/12 21:09	01
2401 CD-4	L12050017-08	10M95230	05/05/12 21:39	01
2401 CD-4D	L12050017-09	10M95231	05/05/12 22:09	01
2401 US-1	L12050017-10	10M95232	05/05/12 22:40	01
2401 DS-1	L12050017-11	10M95233	05/05/12 23:11	01

Report Name: BLANK_SUMMARY
PDF File ID: 2406008
Report generated 05/08/2012 14:18

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L12050017
Blank File ID: 10M95241
Prep Date: 05/06/12 03:16
Analyzed Date: 05/06/12 03:16
Analyst: MES

Work Group: WG397115
Blank Sample ID: WG397115-04
Instrument ID: HPMS10
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG397115-02	10M95219	05/05/12 16:05	01
LCS2	WG397115-03	10M95220	05/05/12 16:36	01
2401 TB	L12050017-12	10M95222	05/05/12 17:36	01
2401 MW-1A	L12050017-01	10M95223	05/05/12 18:07	01
2401 MW-2A	L12050017-02	10M95224	05/05/12 18:37	01
2401 MW-3A	L12050017-03	10M95225	05/05/12 19:07	01
2401 MW-5A	L12050017-04	10M95226	05/05/12 19:38	01
2401 MW-7	L12050017-05	10M95227	05/05/12 20:08	01
2401 MW-11	L12050017-06	10M95228	05/05/12 20:38	01
2401 MW-12	L12050017-07	10M95229	05/05/12 21:09	01
2401 CD-4	L12050017-08	10M95230	05/05/12 21:39	01
2401 CD-4D	L12050017-09	10M95231	05/05/12 22:09	01
2401 US-1	L12050017-10	10M95232	05/05/12 22:40	01
2401 DS-1	L12050017-11	10M95233	05/05/12 23:11	01

Report Name: BLANK_SUMMARY
PDF File ID: 2406008
Report generated 05/08/2012 14:18

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L12050017 Prep Date: 05/05/12 15:35 Sample ID: WG397115-01
Instrument ID: HPMS10 Run Date: 05/05/12 15:35 Prep Method: 5030B/5030C/503
File ID: 10M95218 Analyst: MES Method: 8260B
Workgroup (AAB#): WG397115 Matrix: Water Units: ug/L
Contract #: Cal ID: HPMS10 - 17-APR-12

Analytes	MDL	RL	Concentration	Dilution	Qualifier
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.200	1.00	0.200	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.500	1.00	0.500	1	U
1,2-Dibromo-3-chloropropane	1.00	2.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.200	1.00	0.200	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
2-Butanone	2.50	5.00	2.50	1	U
2-Hexanone	2.50	5.00	2.50	1	U
4-Methyl-2-pentanone	2.50	5.00	2.50	1	U
Acetone	2.50	5.00	2.50	1	U
Acetonitrile	50.0	100	50.0	1	U
Acrylonitrile	2.50	5.00	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.500	1.00	0.500	1	U
Bromomethane	0.500	1.00	0.500	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
Iodomethane	0.500	1.00	0.500	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U
Methylene chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
Styrene	0.125	1.00	0.125	1	U

Report Name: BLANK
PDF ID: 2406009
08-MAY-2012 14:18

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L12050017 Prep Date: 05/05/12 15:35 Sample ID: WG397115-01
Instrument ID: HPMS10 Run Date: 05/05/12 15:35 Prep Method: 5030B/5030C/503
File ID: 10M95218 Analyst: MES Method: 8260B
Workgroup (AAB#): WG397115 Matrix: Water Units: ug/L
Contract #: Cal ID: HPMS10 - 17-APR-12

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
trans-1,4-Dichloro-2-Butene	2.50	5.00	2.50	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	5.00	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
1,2-Dichloroethane-d4	80.1	80 - 120	PASS
4-Bromofluorobenzene	95.6	86 - 115	PASS
Dibromofluoromethane	88.8	86 - 118	PASS
Toluene-d8	97.9	88 - 110	PASS

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > RL

Report Name: BLANK
PDF ID: 2406009
08-MAY-2012 14:18

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L12050017 Prep Date: 05/06/12 03:16 Sample ID: WG397115-04
Instrument ID: HPMS10 Run Date: 05/06/12 03:16 Prep Method: 5030B/5030C/503
File ID: 10M95241 Analyst: MES Method: 8260B
Workgroup (AAB#): WG397115 Matrix: Water Units: ug/L
Contract #: Cal ID: HPMS10-17-APR-12

Analytes	MDL	RL	Concentration	Dilution	Qualifier
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.200	1.00	0.200	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.500	1.00	0.500	1	U
1,2-Dibromo-3-chloropropane	1.00	2.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.200	1.00	0.200	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
2-Butanone	2.50	5.00	2.50	1	U
2-Hexanone	2.50	5.00	2.50	1	U
4-Methyl-2-pentanone	2.50	5.00	2.50	1	U
Acetone	2.50	5.00	2.50	1	U
Acetonitrile	50.0	100	50.0	1	U
Acrylonitrile	2.50	5.00	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.500	1.00	0.500	1	U
Bromomethane	0.500	1.00	0.500	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
Iodomethane	0.500	1.00	0.500	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U
Methylene chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
Styrene	0.125	1.00	0.125	1	U

Report Name: BLANK
PDF ID: 2406009
08-MAY-2012 14:18

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L12050017 Prep Date: 05/06/12 03:16 Sample ID: WG397115-04
Instrument ID: HPMS10 Run Date: 05/06/12 03:16 Prep Method: 5030B/5030C/503
File ID: 10M95241 Analyst: MES Method: 8260B
Workgroup (AAB#): WG397115 Matrix: Water Units: ug/L
Contract #: Cal ID: HPMS10 - 17-APR-12

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
trans-1,4-Dichloro-2-Butene	2.50	5.00	2.50	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	5.00	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
1,2-Dichloroethane-d4	81.7	80 - 120	PASS
4-Bromofluorobenzene	94.9	86 - 115	PASS
Dibromofluoromethane	89.2	86 - 118	PASS
Toluene-d8	97.5	88 - 110	PASS

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > RL

Report Name: BLANK
PDF ID: 2406009
08-MAY-2012 14:18

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L12050017 Analyst: MES Prep Method: 5030B/5030C/503
Instrument ID: HPMS10 Matrix: Water Method: 8260B
Workgroup (AAB#): WG397115 Units: ug/L
QC Key: STD Lot #: STD51427

Sample ID: WG397115-02 LCS File ID: 10M95219 Run Date: 05/05/2012 16:05
Sample ID: WG397115-03 LCS2 File ID: 10M95220 Run Date: 05/05/2012 16:36

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
1,1,1,2-Tetrachloroethane	20.0	20.4	102	20.0	19.9	99.7	2.42	80 - 130	20	
1,1,1-Trichloroethane	20.0	18.1	90.5	20.0	17.2	86.1	4.96	80 - 134	20	
1,1,2,2-Tetrachloroethane	20.0	17.7	88.5	20.0	17.9	89.5	1.02	79 - 125	20	
1,1,2-Trichloroethane	20.0	19.6	97.8	20.0	19.3	96.7	1.16	80 - 125	20	
1,1-Dichloroethane	20.0	18.1	90.5	20.0	17.7	88.4	2.39	80 - 125	20	
1,1-Dichloroethene	20.0	17.6	88.0	20.0	17.1	85.4	3.00	80 - 132	20	
1,1-Dichloropropene	20.0	17.9	89.7	20.0	17.2	86.1	4.06	75 - 130	20	
1,2,3-Trichloropropane	20.0	18.5	92.3	20.0	18.2	91.2	1.23	75 - 125	20	
1,2-Dibromo-3-chloropropane	20.0	18.0	90.0	20.0	18.3	91.3	1.53	50 - 130	20	
1,2-Dibromoethane	20.0	19.3	96.6	20.0	19.4	97.0	0.401	80 - 129	20	
1,2-Dichlorobenzene	20.0	19.8	99.2	20.0	19.6	97.9	1.35	80 - 125	20	
1,2-Dichloroethane	20.0	16.5	82.4	20.0	16.2	80.8	1.93	80 - 129	20	
1,2-Dichloropropane	20.0	18.8	93.9	20.0	18.6	93.0	0.885	80 - 120	20	
1,3-Dichlorobenzene	20.0	20.0	99.9	20.0	19.6	98.0	1.92	80 - 120	20	
1,4-Dichlorobenzene	20.0	19.6	98.1	20.0	19.3	96.3	1.86	80 - 120	20	
2-Butanone	20.0	17.0	84.8	20.0	17.3	86.3	1.82	10 - 170	20	
2-Hexanone	20.0	17.7	88.5	20.0	18.1	90.6	2.41	55 - 130	20	
4-Methyl-2-pentanone	20.0	17.6	88.1	20.0	17.4	87.2	1.02	64 - 140	20	
Acetone	20.0	15.3	76.3	20.0	15.7	78.7	3.06	40 - 180	20	
Acrylonitrile	20.0	18.6	93.0	20.0	19.3	96.3	3.48	50 - 150	20	
Benzene	20.0	18.8	94.2	20.0	18.3	91.3	3.05	80 - 121	20	
Bromochloromethane	20.0	19.8	99.2	20.0	19.6	97.8	1.43	65 - 130	20	
Bromodichloromethane	20.0	18.1	90.6	20.0	17.6	88.1	2.77	80 - 131	20	
Bromoform	20.0	17.8	89.0	20.0	17.9	89.4	0.484	70 - 130	20	
Bromomethane	20.0	16.3	81.4	20.0	15.8	79.1	2.88	30 - 145	20	
Carbon disulfide	20.0	18.1	90.4	20.0	17.6	88.1	2.54	58 - 128	20	
Carbon tetrachloride	20.0	15.9	79.7	20.0	15.3	76.4	4.13	65 - 140	20	
Chlorobenzene	20.0	19.0	94.8	20.0	18.5	92.3	2.69	80 - 120	20	
Chlorodibromomethane	20.0	19.3	96.5	20.0	19.0	94.8	1.73	60 - 135	20	
Chloroethane	20.0	19.6	97.9	20.0	18.7	93.3	4.87	60 - 135	20	
Chloroform	20.0	18.3	91.7	20.0	17.9	89.7	2.19	80 - 125	20	
Chloromethane	20.0	15.2	75.9	20.0	15.0	74.9	1.31	40 - 125	20	
cis-1,2-Dichloroethene	20.0	19.3	96.3	20.0	18.8	94.0	2.40	70 - 125	20	
cis-1,3-Dichloropropene	20.0	17.9	89.7	20.0	17.7	88.7	1.13	70 - 130	20	
Dibromomethane	20.0	17.5	87.7	20.0	17.6	87.8	0.124	75 - 125	20	
Ethylbenzene	20.0	19.9	99.7	20.0	19.5	97.6	2.18	80 - 122	20	
Iodomethane	20.0	14.8	74.1	20.0	15.3	76.6	3.34	10 - 160	20	
m-,p-Xylene	40.0	39.2	98.0	40.0	37.9	94.7	3.47	80 - 122	20	
Methylene chloride	20.0	18.5	92.3	20.0	18.2	90.9	1.48	80 - 123	20	
o-Xylene	20.0	19.3	96.5	20.0	18.9	94.3	2.38	80 - 122	20	

LCS_LCS2 - Modified 03/06/2008
PDF File ID: 2404675
Report generated: 05/08/2012 14:18

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L12050017 Analyst: MES Prep Method: 5030B/5030C/503
Instrument ID: HPMS10 Matrix: Water Method: 8260B
Workgroup (AAB#): WG397115 Units: ug/L
QC Key: STD Lot #: STD51427

Sample ID: WG397115-02 LCS File ID: 10M95219 Run Date: 05/05/2012 16:05
Sample ID: WG397115-03 LCS2 File ID: 10M95220 Run Date: 05/05/2012 16:36

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Styrene	20.0	17.9	89.6	20.0	17.7	88.5	1.26	80 - 123	20	
Tetrachloroethene	20.0	21.8	109	20.0	21.4	107	1.94	80 - 124	20	
Toluene	20.0	19.6	97.9	20.0	19.0	95.0	2.99	80 - 124	20	
trans-1,2-Dichloroethene	20.0	18.9	94.3	20.0	18.4	91.9	2.57	80 - 127	20	
trans-1,3-Dichloropropene	20.0	16.5	82.3	20.0	16.3	81.4	1.11	80 - 130	20	
trans-1,4-Dichloro-2-Butene	20.0	13.5	67.5	20.0	13.0	65.1	3.55	50 - 150	20	
Trichloroethene	20.0	20.1	100	20.0	19.4	97.2	3.35	80 - 122	20	
Trichlorofluoromethane	20.0	17.8	88.8	20.0	16.7	83.5	6.14	62 - 151	20	
Vinyl acetate	20.0	10.2	50.8	20.0	10.7	53.5	5.22	10 - 190	20	
Vinyl chloride	20.0	22.6	113	20.0	19.7	98.6	13.6	50 - 170	20	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
1,2-Dichloroethane-d4	79.3	79.9	80 - 120	FAIL
Dibromofluoromethane	92.4	92.3	86 - 118	PASS
4-Bromofluorobenzene	94.5	94.3	86 - 115	PASS
Toluene-d8	98.1	98.5	88 - 110	PASS

* EXCEEDS %REC LIMIT

\# EXCEEDS RPD LIMIT

LCS_LCS2 - Modified 03/06/2008
PDF File ID: 2404675
Report generated: 05/08/2012 14:18

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L12050017
Blank File ID: P2.050212.132119
Prep Date: 05/02/12 06:50
Analyzed Date: 05/02/12 13:21
Analyst: KHR

Work Group: WG396792
Blank Sample ID: WG396753-02
Instrument ID: PE-ICP2
Method: 6010B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG396753-03	P2.050212.132814	05/02/12 13:28	01
2401 MW-1A	L12050017-01	P2.050212.143759	05/02/12 14:37	01
2401 MW-2A	L12050017-02	P2.050212.154925	05/02/12 15:49	01
2401 MW-3A	L12050017-03	P2.050212.155523	05/02/12 15:55	01
2401 MW-5A	L12050017-04	P2.050212.160122	05/02/12 16:01	01
2401 MW-7	L12050017-05	P2.050212.160721	05/02/12 16:07	01
2401 MW-11	L12050017-06	P2.050212.161321	05/02/12 16:13	01
2401 MW-12	L12050017-07	P2.050212.161923	05/02/12 16:19	01
2401 CD-4	L12050017-08	P2.050212.162523	05/02/12 16:25	01
2401 CD-4D	L12050017-09	P2.050212.164416	05/02/12 16:44	01
2401 US-1	L12050017-10	P2.050212.165015	05/02/12 16:50	01
2401 DS-1	L12050017-11	P2.050212.165612	05/02/12 16:56	01

Report Name: BLANK_SUMMARY
PDF File ID: 2400953
Report generated 05/03/2012 11:32

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L12050017 Prep Date: 05/02/12 06:50 Sample ID: WG396753-02
Instrument ID: PE-ICP2 Run Date: 05/02/12 13:21 Prep Method: 3005A
File ID: P2.050212.132119 Analyst: KHR Method: 6010B
Workgroup (AAB#): WG396792 Matrix: Water Units: mg/L
Contract #: Cal ID: PE-ICP - 02-MAY-12

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Barium, Total	0.00500	0.0100	0.00500	1	U
Beryllium, Total	0.00500	0.0100	0.00500	1	U

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > RL

Report Name: BLANK
PDF ID: 2400954
03-MAY-2012 11:32

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L12050017 Run Date: 05/02/2012 Sample ID: WG396753-03
Instrument ID: PE-ICP2 Run Time: 13:28 Prep Method: 3005A
File ID: P2.050212.132814 Analyst: KHR Method: 6010B
Workgroup (AAB#): WG396792 Matrix: Water Units: mg/L
QC Key: STD Lot#: STD51356 Cal ID: PE-ICP - 02-MAY-12

Analytes	Expected	Found	% Rec	LCS Limits	Q
Barium, Total	0.500	0.496	99.2	85 - 115	
Beryllium, Total	0.0250	0.0233	93.4	85 - 115	

LCS - Modified 03/06/2008
PDF File ID: 2400955
Report generated: 05/03/2012 11:32

Microbac Laboratories Inc.
MATRIX SPIKE AND MATRIX SPIKE DUP (MS/MSD)

Loginnum: L12050017 Cal ID: PE-ICP2- Worknum: WG396792
Instrument ID: PE-ICP2 Contract #: Method: 6010B
Parent ID: WG396753-01 File ID: P2.050212.143759 Dil: 1 Matrix: WATER
Sample ID: WG396753-04 MS File ID: P2.050212.144356 Dil: 1 Units: mg/L
Sample ID: WG396753-05 MSD File ID: P2.050212.144953 Dil: 1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Barium, Total	0.0287	0.500	0.512	96.6	0.500	0.538	102	4.92	80 - 120	20	
Beryllium, Total	ND	0.0250	0.0229	91.7	0.0250	0.0240	96.0	4.55	80 - 120	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

WG_MS_MSD_DRYWT - Modified 05/26/2011
PDF File ID: 2400956
Report generated 05/03/2012 11:32

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L12050017
Blank File ID: NI.050712.160109
Prep Date: 05/02/12 07:07
Analyzed Date: 05/07/12 16:01
Analyst: JYH

Work Group: WG396772
Blank Sample ID: WG396746-02
Instrument ID: ICP-MS2
Method: 6020

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG396746-03	NI.050312.111452	05/03/12 11:14	01
LCS	WG396746-03	NI.050712.160356	05/07/12 16:03	02
2401 MW-1A	L12050017-01	NI.050712.161827	05/07/12 16:18	02
2401 MW-2A	L12050017-02	NI.050712.163225	05/07/12 16:32	02
2401 MW-3A	L12050017-03	NI.050712.163512	05/07/12 16:35	02
2401 MW-5A	L12050017-04	NI.050712.163800	05/07/12 16:38	02
2401 MW-7	L12050017-05	NI.050712.164046	05/07/12 16:40	02
2401 MW-11	L12050017-06	NI.050712.164334	05/07/12 16:43	02
2401 MW-12	L12050017-07	NI.050712.164622	05/07/12 16:46	02
2401 CD-4	L12050017-08	NI.050712.164910	05/07/12 16:49	02
2401 CD-4D	L12050017-09	NI.050712.165157	05/07/12 16:51	02
2401 US-1	L12050017-10	NI.050712.165445	05/07/12 16:54	02
2401 DS-1	L12050017-11	NI.050712.165732	05/07/12 16:57	02
2401 MW-1A	L12050017-01	NI.050812.094347	05/08/12 09:43	03

Report Name: BLANK_SUMMARY
PDF File ID: 2404879
Report generated 05/08/2012 10:11

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L12050017 Prep Date: 05/02/12 07:07 Sample ID: WG396746-02
Instrument ID: ICP-MS2 Run Date: 05/07/12 16:01 Prep Method: 3015
File ID: NI.050712.160109 Analyst: JYH Method: 6020
Workgroup (AAB#): WG396772 Matrix: Water Units: mg/L
Contract #: Cal ID: ICP-MS-07-MAY-12

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Antimony, Total	0.000500	0.00100	0.000500	1	U
Arsenic, Total	0.000500	0.00100	0.000500	1	U
Cadmium, Total	0.000300	0.000600	0.000300	1	U
Chromium, Total	0.00100	0.00200	0.00100	1	U
Cobalt, Total	0.000500	0.00100	0.000500	1	U
Copper, Total	0.00100	0.00200	0.00100	1	U
Lead, Total	0.000500	0.00100	0.000500	1	U
Nickel, Total	0.00200	0.00400	0.00200	1	U
Selenium, Total	0.000500	0.00100	0.000500	1	U
Silver, Total	0.000500	0.00100	0.000500	1	U
Thallium, Total	0.000100	0.000200	0.000100	1	U
Vanadium, Total	0.000500	0.00100	0.000500	1	U
Zinc, Total	0.0125	0.0250	0.0125	1	U

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > RL

Report Name: BLANK
PDF ID: 2404880
08-MAY-2012 10:11

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L12050017 Run Date: 05/07/2012 Sample ID: WG396746-03
Instrument ID: ICP-MS2 Run Time: 16:03 Prep Method: 3015
File ID: NI.050712.160356 Analyst: JYH Method: 6020
Workgroup (AAB#): WG396772 Matrix: Water Units: mg/L
QC Key: STD Lot#: STD49281 Cal ID: ICP-MS-07-MAY-12

Analytes	Expected	Found	% Rec	LCS Limits	Q
Antimony, Total	0.0625	0.0592	94.7	80 - 120	
Arsenic, Total	0.0625	0.0611	97.7	80 - 120	
Cadmium, Total	0.0625	0.0597	95.5	80 - 120	
Chromium, Total	0.0625	0.0653	105	80 - 120	
Cobalt, Total	0.0625	0.0629	101	80 - 120	
Copper, Total	0.0625	0.0642	103	80 - 120	
Lead, Total	0.0625	0.0623	99.7	80 - 120	
Nickel, Total	0.0625	0.0630	101	80 - 120	
Selenium, Total	0.0625	0.0650	104	80 - 120	
Silver, Total	0.0625	0.0715	114	80 - 120	
Thallium, Total	0.0625	0.0610	97.6	80 - 120	
Vanadium, Total	0.0625	0.0637	102	80 - 120	
Zinc, Total	0.0625	0.0616	98.5	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 2404881
Report generated: 05/08/2012 10:11

Microbac Laboratories Inc.
MATRIX SPIKE AND MATRIX SPIKE DUP (MS/MSD)

Loginnum: L12050017 Cal ID: ICP-MS2- Worknum: WG396772
Instrument ID: ICP-MS2 Contract #: Method: 6020
Parent ID: WG396746-01 File ID: NI.050712.161003 Dil: 5 Matrix: WATER
Sample ID: WG396746-04 MS File ID: NI.050712.161251 Dil: 5 Units: mg/L
Sample ID: WG396746-05 MSD File ID: NI.050712.161539 Dil: 5

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Antimony, Dissolved	ND	0.0625	0.0696	111	0.0625	0.0693	111	0.373	75 - 125	20	
Arsenic, Dissolved	0.00655	0.0625	0.0743	108	0.0625	0.0768	112	3.30	75 - 125	20	
Cadmium, Dissolved	0.00106	0.0625	0.0689	109	0.0625	0.0694	109	0.746	75 - 125	20	
Chromium, Dissolved	0.00264	0.0625	0.0662	102	0.0625	0.0670	103	1.32	75 - 125	20	
Cobalt, Dissolved	ND	0.0625	0.0585	93.7	0.0625	0.0606	96.9	3.40	75 - 125	20	
Copper, Dissolved	0.00321	0.0625	0.0618	93.7	0.0625	0.0637	96.8	3.08	75 - 125	20	
Lead, Dissolved	ND	0.0625	0.0639	102	0.0625	0.0603	96.5	5.75	75 - 125	20	
Nickel, Dissolved	0.00912	0.0625	0.0663	91.6	0.0625	0.0697	97.0	4.96	75 - 125	20	
Selenium, Dissolved	0.0318	0.0625	0.0987	107	0.0625	0.101	111	2.54	75 - 125	20	
Silver, Dissolved	ND	0.0625	0.0531	84.9	0.0625	0.0518	82.9	2.41	75 - 125	20	
Thallium, Dissolved	0.000304	0.0625	0.0633	101	0.0625	0.0608	96.8	3.97	75 - 125	20	
Vanadium, Dissolved	0.00223	0.0625	0.0654	101	0.0625	0.0663	103	1.39	75 - 125	20	
Zinc, Dissolved	0.0286	0.0625	0.0924	102	0.0625	0.0962	108	3.94	75 - 125	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

WG_MS_MSD_DRYWT - Modified 05/26/2011
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Microbac Laboratories Inc.
Ohio Valley Division Analyst List
May 8, 2012

ADC - ANTHONY D. CANTER	AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BROWN
ALV - AMY L. VALENTINE	AML - TONY M. LONG	AZH - AFTER HOURS
BLG - BRENDA L. GREENWALT	BRG - BRENDA R. GREGORY	CAA - CASSIE A. AUGENSTEIN
CAF - CHERYL A. FLOWERS	CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CPD - CHAD P. DAVIS
CS - CODY M. STRAHLER	CSH - CHRIS S. HILL	DDE - DEBRA D. ELLIOTT
DEV - DAVID E. VANDENBERG	DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON
DLB - DAVID L. BUMGARNER	DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH
DSM - DAVID S. MOSSOR	ECL - ERIC C. LAWSON	EDL - ERIN D. LONG
ERP - ERIN R. PORTER	FJB - FRANCES J. BOLDEN	HAV - HEMA VILASAGAR
HJR - HOLLY J. REED	JAL - JOHN A. LENT	JBK - JEREMY B. KINNEY
JDH - JUSTIN D. HESSON	JKS - JANE K. SCHAAD	JLL - JOHN L. LENT
JWR - JOHN W. RICHARDS	JWS - JACK W. SHEAVES	JYH - JI Y. HU
KEB - KATIE E. BARNES	KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON
LKN - LINDA K. NEDEFF	LSB - LESLIE S. BUCINA	MDA - MIKE D. ALBERTSON
MDC - MIKE D. COCHRAN	MES - MARY E. SCHILLING	MMB - MAREN M. BEERY
MRT - MICHELLE R. TAYLOR	MSW - MATT S. WILSON	PDM - PIERCE D. MORRIS
PWD - PAUL W. DENT	QX - QIN XU	RAH - ROY A. HALSTEAD
REK - BOB E. KYER	RLB - BOB BUCHANAN	RLK - ROBIN L. KLINGER
RS - ROSEMARY SCOTT	RWC - RODNEY W. CAMPBELL	SJP - SUZANNE J. PAUGH
SLM - STEPHANIE L. MOSSBURG	SLP - SHERI L. PFALZGRAF	TIP - TAE I. PARRISH
TMB - TIFFANY M. BAILEY	TMM - TAMMY M. MORRIS	VC - VICKI COLLIER
WJB - WILL J. BEASLEY	WTD - WADE T. DELONG	XXX - UNAVAILABLE OR SUBCONTRACT

Microbac Laboratories Inc.
List of Valid Qualifiers
May 08, 2012

Qualkey: STD

Qualifier	Description
*	Surrogate or spike compound out of range
+	Correlation coefficient for the MSA is less than 0.995
<	Result is less than the associated numerical value.
>	Result is greater than the associated numerical value.
A	See the report narrative
B	Analyte present in method blank
B1	Target analyte detected in method blank at or above the method reporting limit
B3	Target analyte detected in calibration blank at or above the method reporting limit
B4	The BOD unseeded dilution water blank exceeded 0.2 mg/L
C	Confirmed by GC/MS
CG	Confluent growth
DL	Surrogate or spike compound was diluted out
E	Estimated concentration due to sample matrix interference
EDL	Elevated sample reporting limits, presence of non-target analytes
EMPC	Estimated Maximum Possible Concentration
F, S	Estimated result below quantitation limit; method of standard additions(MSA)
FL	Free Liquid
H1	Sample analysis performed past holding time.
I	Semiquantitative result (out of instrument calibration range)
J	Estimated value; the analyte concentration was less than the RL/LOQ.
J,B	Analyte detected in both the method blank and sample above the MDL.
J,P	Estimate; columns don't agree to within 40%
J,S	Estimated concentration; analyzed by method of standard addition (MSA)
L	Sample reporting limits elevated due to matrix interference
L1	The associated blank spike (LCS) recovery was above the laboratory acceptance limits.
L2	The associated blank spike (LCS) recovery was below the laboratory acceptance limits.
M	Matrix effect; the concentration is an estimate due to matrix effect.
N	Tentatively identified compound(TIC)
NA	Not applicable
ND	Not detected at or above the reporting limit (RL).
ND, L	Not detected; sample reporting limit (RL) elevated due to interference
ND, S	Not detected; analyzed by method of standard addition (MSA)
NF	Not found by library search
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentrations >40% difference between the two GC columns
Q	One or more quality control criteria failed. See narrative.
QNS	Quantity of sample not sufficient to perform analysis
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition (MSA)
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TIC	Library Search Compound
TNTC	Too numerous to count
U	Analyte was not detected. The concentration is below the reported MDL.
UJ	Undetected; the MDL and RL are estimated due to quality control discrepancies.
UJ	Undetected; the analyte was analyzed for, but not detected.
UQ	Undetected; the analyte was analyzed for, but not detected.
W	Post-digestion spike for furnace AA out of control limits
X	Exceeds regulatory limit
X, S	Exceeds regulatory limit; method of standard additions (MSA)
Z	Cannot be resolved from isomer - see below

COC No. A 30148

158 Starlite Drive
Marietta, OH 45750

Microbac

CHAIN-OF-CUSTODY RECORD

Phone: 740-373-4071
Fax: 740-373-4835

Company Name: Babb + Associates, P.A.

Project Contact: Gary Babb

Contact Phone #: (919) 325-0496

Turn Around Requirements:

Location: Columbus Co.

Project ID: Columbus

Sampler (print): Blair Huffman

Signature: [signature]

Program: ☐ CWA ☐ RCRA ☐ DOD ☐ AFCEE ☐ Other _____

Sample I.D. No.	Comp	Grab	Date	Time	Matrix*	NUMBER OF CONTAINERS	Hold	Appendix 8260 VOCs	Appendix Metals	TOTAL # (LAB USE)	ADDITIONAL REQUIREMENTS
2401 MW-1A		–	4-30-12	1336	W	3		X	X		
2401 MW-2A		–		1350		3		X	X		
2401 MW-3A		–		1258		3		X	X		
2401 MW-5A		–		1421		3		X	X		
2401 MW-7		–		1401		3		X	X		
2401 MW-11		–		1306		3		X	X		
2401 MW-12		–		1330		3		X	X		
2401 CD-4		–		1241		3		X	X		
2401 CD-4D		–		1243		3		X	X		
2401 US-1		–		1321		3		X	X		
2401 DS-1		–		1415		3		X	X		
2401 TB						2		X			

Relinquished by: (Signature)	Date	Time
[signature]	4-30-12	1615
Relinquished by: (Signature)	Date	Time

Microbac OVD
Received: 05/01/2012 10:14
By: CARA STRICKLER
221000024596

Cara Strickler

Date	Time	Received by: (Signature)

Remarks: 1 cooler
Fedex #
8730 1316 7938

*Water (W), Soil (S), Solid Waste (SD), Unknown (X)

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