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NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

RECEIVED OCT - 4 2011 WASTE SECTION

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):

Buxton Environmental, Inc.

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

Name: Ross Klingman, P.G. Phone: 704-344-1450

E-mail: buxtonenv@bellsouth.net

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Alamance Co. - Closed Swepsonville Landfill	Alfred Road Graham, NC		.0500	September 12, 2011

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.

Ross Klingman, P.G. | President | 704-344-1450

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

Affix NC Licensed/ Professional Geologist Seal

Signature | 10-3-11 Date

1101 South Blvd., Suite 101, Charlotte, NC 28203

Facility Representative Address

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

NORTH CAROLINA LICENSED SEAL 1266 GEOLOGIST CHARLES ROSS KLINGMAN

Revised 6/2009

SECOND SEMI-ANNUAL 2011
GROUNDWATER AND SURFACE WATER MONITORING EVENT
CLOSED SWEPSONVILLE LANDFILL
ALAMANCE COUNTY, NORTH CAROLINA

TABLE OF CONTENTS

1.0	*Introduction*	*1*
2.0	*Background Information*	*1*
3.0	*Groundwater and Surface Water Monitoring Activities*	*1*
4.0	*Groundwater and Surface Water Analytical Results*	*2*
5.0	*Conclusions*	*3*
6.0	*Recommendations*	*3*

LIST OF FIGURES

1. Site Layout Map

LIST OF TABLES

1. Groundwater Gauging Data
2. Groundwater and Surface Water Field Parameter Data
3. Groundwater Analytical Results
4. Surface Water Analytical Results

APPENDICES

A. Laboratory Data Sheets

SECOND SEMI-ANNUAL 2011
GROUNDWATER AND SURFACE WATER MONITORING EVENT
CLOSED SWEPSONVILLE LANDFILL
ALAMANCE COUNTY, NORTH CAROLINA

1.0 INTRODUCTION

Buxton Environmental, Inc. respectfully submits the methods and results of the second semi-annual 2011 groundwater and surface water monitoring activities conducted at the closed Swepsonville Landfill located in Alamance County, North Carolina. The purpose for conducting the assessment was to monitor water quality at the subject site. A site layout map is provided in Figure 1.

The monitoring activities were conducted in general accordance with the North Carolina Department of Environment and Natural Resources, Division of Waste Management-Solid Waste Section (NCDWM) rules, and NCDWM memorandums dated October 27, 2006, February 23, 2007 and October 16, 2007 concerning changes to laboratory detection limits and reporting requirements, and the NCDWM groundwater and surface water sampling guidelines dated April 2008. In addition, the North Carolina Ground Water Protection Standards (NCGPS's) presented in this report have been updated to reflect current standards.

A summary of background information, and the methods, results, conclusions and recommendations of this investigation are outlined below.

2.0 BACKGROUND INFORMATION

The Swepsonville Landfill operated as a municipal solid waste landfill until it was closed in 1993. To comply with NCDWM rules, semi-annual groundwater and surface water monitoring has been conducted at the site since October 1995. Water samples have been analyzed for Appendix I volatile organic compounds (VOC's) and metals plus mercury. Historical groundwater samples have indicated VOC's and metals above the North Carolina Groundwater Protection Standards (NCGPS's).

3.0 GROUNDWATER AND SURFACE WATER MONITORING ACTIVITIES

On September 12, 2011, Buxton Environmental, Inc. conducted the second semi-annual 2011 groundwater and surface water monitoring event at the subject site. Groundwater monitoring activities were conducted at eleven monitor wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7A, MW-7B, MW-8A, MW-8B and MW-9. Monitor well MW-2 was dry due to recent drought conditions, therefore, was unable to be sampled. Two surface water samples SW-1 and SW-2 were collected from Haw Creek located to the east the landfill.

Prior to conducting the sampling activities, groundwater levels were obtained from each monitor well with a depth-to-water electrode to the nearest 0.01 foot. Following the gauging activities, each well was purged of three well bore volumes of water or until dryness with a disposable Teflon bailer attached to new nylon rope. Field parameters including pH, conductivity and temperature were collected at each well following purging and at surface water sample locations. Purge water was poured on the ground surface at respective well heads. Groundwater gauging and field parameter data are provided in Tables 1 and 2, respectively.

The groundwater and surface water samples were analyzed for Appendix I VOC's by EPA Method 8260B, Appendix I metals by EPA Method 6020A, and mercury by EPA Method 7470A. Only Appendix I VOC's were analyzed at monitor well MW-8B, due to limited water conditions. For quality control purposes, one trip blank was analyzed for Appendix I VOC's. The trip blank was prepared by the laboratory. The laboratory analyses were conducted by Shealy Environmental Services, Inc. in West Columbia, South Carolina. The water samples were collected in general accordance with accepted protocol, including chain-of-custody documentation.

4.0 GROUNDWATER AND SURFACE WATER ANALYTICAL RESULTS

The groundwater and surface water analytical results for the second semi-annual 2011 event are presented in Tables 2 and 3, respectively. Laboratory data sheets are presented in Appendix A.

Groundwater Analytical Results

Groundwater samples MW-1, MW-4, MW-7A, MW-7B and MW-9 indicated target constituents above NCGPS's, which are summarized below.

Groundwater sample MW-1 indicated the presence of 1.5 micrograms per liter (ug/l) tetrachloroethene.

Groundwater sample MW-4 indicated the presence of 12 ug/l 1,4-dichlorobenzene, 68 ug/l 1,1-dichloroethane, 250 ug/l cis-1,2-dichlroethene, 1.8 ug/l 1,2-dichloropropane, 16 ug/l vinyl chloride, 87 ug/l cobalt and 5.1 ug/l vanadium.

Groundwater sample MW-7A indicated the presence of 5 ug/l benzene, 24 ug/l 1,1-dichloroethane, 13 ug/l tetrachloroethene, 16 ug/l trichloroethene and 3.9 ug/l vinyl chloride.

Groundwater sample MW-7B indicated the presence of 8.9 ug/l benzene, 33 ug/l 1,1-dichloroethane, 73 ug/l cis-1,2-dichloroethene, 18 ug/l tetrachloroethene, 21 ug/l trichloroethene and 5.7 ug/l vinyl chloride.

Groundwater sample MW-9 indicated the presence of 6.4 ug/l cobalt.

The remaining groundwater samples MW-3, MW-5, MW-6, MW-8A and MW-8B did not indicate target constituents above NCGPS's.

Surface Water Analytical Results

Surface water samples SW-1 and SW-2 did not indicated the presence of Appendix I constituents above established North Carolina Surface Water and Wetland Standards (15A NCAC 02B) for Haw Creek (Class WS-V water) or EPA National Criteria standards (utilized by North Carolina Division of Water Quality as default standards for non listed parameters) (NCSWWS's).

Quality Control Analytical Results

The trip blank did not indicate target VOC's above method detection limits.

5.0 CONCLUSIONS

On September 12, 2011, Buxton Environmental, Inc. conducted the second semi-annual 2011 groundwater and surface water monitoring activities at the closed Swepsonville Landfill located in Alamance County, North Carolina. A summary of the findings of this investigation is provided below.

- Groundwater samples collected at MW-1, MW-4, MW-7A, MW-7B and MW-9 indicated target constituents above NCGPS's.
- The surface water samples did not indicate target constituents above the NCSWWS's.

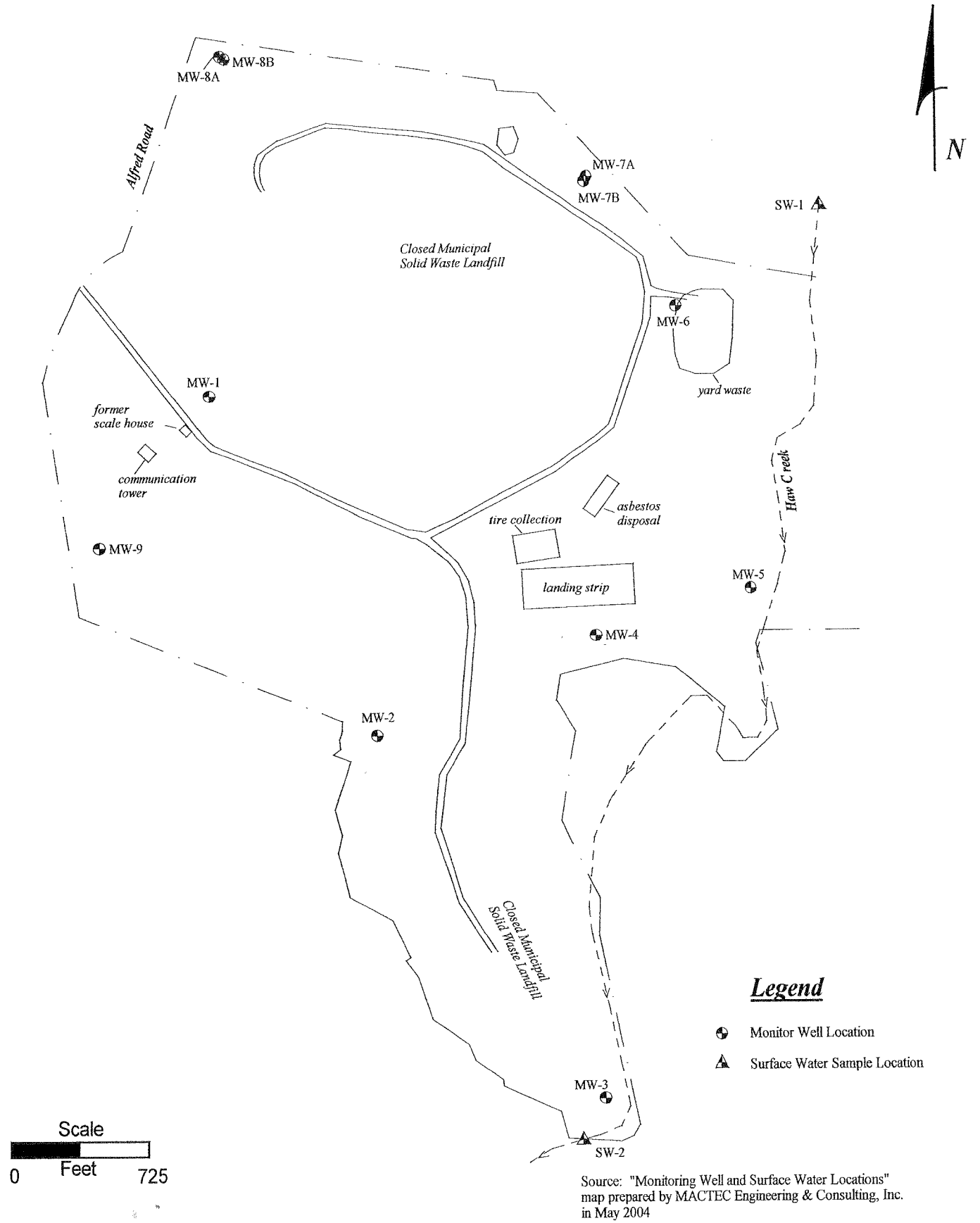
6.0 RECOMMENDATIONS

Based on the findings of this assessment, Buxton Environmental, Inc. makes the following recommendations.

- Semi-annual groundwater and surface water monitoring should continue to be conducted at the closed Swepsonville Landfill. The next sampling event is anticipated to be conducted in March 2012.
- A copy of this report should be forwarded to the NCDWM for their review.

rk:reports:swepsonville.911

FIGURES



Source: "Monitoring Well and Surface Water Locations" map prepared by MACTEC Engineering & Consulting, Inc. in May 2004

Closed Swepsonville Landfill Alamance County, NC	Buxton Environmental, Inc.	Figure 1. Site Layout Map

TABLES

TABLE 1
GROUNDWATER GAUGING DATA
CLOSED SWEPSONVILLE LANDFILL
ALAMANCE COUNTY, NORTH CAROLINA
SEPTEMBER 12, 2011

Well ID	*TD BTOC (ft)*	*TOC Elevation (ft)*	*DTW BTOC (ft)*	*DTW Elevation (ft)*
MW-1	33.00	574.67	26.45	548.22
MW-2	29.90	510.67	dry	dry
MW-3	24.10	466.63	12.14	454.49
MW-4	50.00	497.57	31.61	465.96
MW-5	19.00	476.56	17.48	459.08
MW-6	50.00	529.50	23.60	505.90
MW-7A	31.05	554.12	25.52	528.60
MW-7B	64.02	553.09	25.36	527.73
MW-8A	65.00	591.08	27.53	563.55
MW-8B	26.00	591.25	25.90	565.35
MW-9	27.50	568.78	23.40	545.38

Notes:
Depth to water measurements obtained on September 12, 2011 to the nearest 0.01 foot with a depth to water meter.
TD=total depth;BTOC=below top of casing;TOC=top of casing;DTW=depth to water;ft=feet
TD and TOC elevation data obtained from the "Report of Semi-Annual Water Quality Monitoring, Swepsonville Landfill, Graham, Alamance Co., North Carolina" report prepared by MACTEC in April 2005

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TABLE 2
GROUNDWATER AND SURFACE WATER FIELD PARAMETER DATA
CLOSED SWEPSONVILLE LANDFILL
ALAMANCE COUNTY, NORTH CAROLINA
SEPTEMBER 12, 2011

Sample ID	*Field Parameters*		
	pH (standard units)	*K (uS)*	*T (fahrenheit)*
MW-1	5.79	113	67.9
MW-2	dry	dry	dry
MW-3	6.50	122	63.7
MW-4	6.29	1,022	61.5
MW-5	6.42	259	63.5
MW-6	6.42	151	61.8
MW-7A	6.14	234	62.2
MW-7B	6.00	230	63.4
MW-8A	6.61	52	61.9
MW-8B	--	--	--
MW-9	6.21	56	62.1
SW-1	7.14	76	70.5
SW-2	7.05	92	69.9

Notes:
Field parameters collected on September 12, 2011 by Buxton Environmental, Inc. utilizing EXTECH ExStik and ExStik II meters. Field parameters at monitor wells collected after purging 3 well volumes of water. Leachate and surface water field parameters collected immediately prior to sampling.
K = conductivity
T = temperature
uS = microsiemens
'--' = limited water, no data

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TABLE 3
GROUNDWATER ANALYTICAL DATA
CLOSED SWEPSONVILLE LANDFILL
ALAMANCE COUNTY, NORTH CAROLINA
SEPTEMBER 12, 2011

Sample ID	*MW-1*	*MW-2*	*MW-3*	*MW-4*	*MW-5*	*MW-6*	*MW-7A*	*MW-7B*	*MW-8A*	*MW-8B*	*MW-9*	*NCGPS*
VOC's												
Benzene	BDL	NT	BDL	0.84J	BDL	BDL	**5**	**8.9**	BDL	BDL	BDL	1
2-Butanone	BDL	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	11	BDL	4,000
Chlorobenzene	BDL	NT	BDL	1.3	BDL	BDL	0.35J	0.53J	BDL	BDL	BDL	50
Chloroethane	BDL	NT	BDL	6.4	BDL	BDL	3.7	5	BDL	BDL	BDL	3,000
1,2-Dichlorobenzene	BDL	NT	BDL	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	20
1,4-Dichlorobenzene	BDL	NT	BDL	**12**	BDL	BDL	2.9	5.9	BDL	BDL	BDL	6
1,1-Dichloroethane	BDL	NT	0.28J	**68**	BDL	BDL	**24**	**33**	BDL	BDL	BDL	6
1,2-Dichloroethane	BDL	NT	BDL	1.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.4
1,1-Dichloroethene	BDL	NT	BDL	0.39J	BDL	BDL	0.25J	0.42J	BDL	BDL	BDL	7
cis-1,2-Dichloroethene	BDL	NT	1.7	**250**	BDL	BDL	48	**73**	BDL	BDL	BDL	70
trans-1,2-Dichloroethene	BDL	NT	BDL	1.8	BDL	BDL	0.33J	0.48J	BDL	BDL	BDL	100
1,2-Dichloropropane	BDL	NT	BDL	**1.8**	BDL	BDL	BDL	0.31J	BDL	BDL	BDL	0.6
2-Hexanone	BDL	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.3J	BDL	40
Methylene Chloride	BDL	NT	BDL	BDL	BDL	BDL	1.3	1.2	BDL	BDL	BDL	5
Tetrachloroethene	**1.5**	NT	0.19J	BDL	BDL	BDL	**13**	**18**	BDL	BDL	BDL	0.7
Trichloroethene	BDL	NT	BDL	1.3	BDL	BDL	**16**	**21**	BDL	BDL	BDL	3
Vinyl Chloride	BDL	NT	BDL	**16**	BDL	BDL	**3.9**	**5.7**	BDL	BDL	BDL	0.03
Metals												
Antimony	0.31J	NT	BDL	0.15J	0.63J	BDL	BDL	BDL	BDL	NT	BDL	1
Arsenic	0.59BJ	NT	0.81BJ	1.5B	0.82BJ	0.81BJ	0.45BJ	0.38BJ	BDL	NT	0.56BJ	10
Barium	130	NT	62	120	62	110	120	150	14	NT	54	700
Beryllium	0.48	NT	BDL	0.034J	BDL	0.17J	BDL	BDL	BDL	NT	0.039J	4
Cadmium	0.51	NT	0.6	0.43	0.2	0.22	0.24	0.072J	0.17	NT	0.77	2
Chromium	BDL	NT	BDL	BDL	0.61J	1.3J	BDL	BDL	BDL	NT	0.48J	10
Cobalt	2.5J	NT	1.1J	**87**	0.48J	3.6J	0.94J	0.45J	BDL	NT	**6.4**	1
Copper	2.4	NT	0.66J	3.2	2	0.67J	0.77J	1.9	BDL	NT	2.2	1,000
Lead	0.67J	NT	0.21J	0.34J	0.55J	0.45J	0.11J	0.078J	BDL	NT	0.55J	15
Mercury	BDL	NT	BDL	BDL	BDL	BDL	0.21	0.065J	BDL	NT	BDL	1
Nickel	0.93J	NT	1.1J	6.1	0.95J	1.8J	1.5J	1.5J	BDL	NT	2.4J	100
Selenium	BDL	NT	BDL	1.4	BDL	BDL	BDL	BDL	BDL	NT	BDL	20
Silver	0.023J	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	BDL	20
Vanadium	1.7J	NT	BDL	**5.1**	2.3J	4J	2.1J	BDL	BDL	NT	2.1J	0.3
Zinc	12	NT	3.7J	29	4.7J	9.1J	3.4J	2.5J	1.9J	NT	6.2J	1,000

Notes:
Groundwater samples collected on September 12, 2011 and analyzed for Appendix I volatile organic compounds (VOC's) by EPA Method 8260B, Appendix I metals by EPA 6020A and mercury by EPA Method 7470A.
Analyses by Shealy Environmental Services, Inc. in West Columbia, SC.
NCGPS=North Carolina Groundwater Protection Standard
BDL=below detection limit
Bold and shade denotes above NCGPS
data presented in micrograms per liter (ug/l)
NT = not tested (limited water or dry well)
B = detected in method blank
J = estimated result <PQL and >=MDL

TABLE 4
SURFACE WATER ANALYTICAL DATA
CLOSED SWEPSONVILLE LANDFILL
ALAMANCE COUNTY, NORTH CAROLINA
SEPTEMBER 12, 2011

Sample ID	*SW-1*	*SW-2*	*NCSWWS*
Volatile Organic Compounds			
1,2-Dichloroethane	BDL	0.19J	0.38
cis-1,2-Dichloroethene	BDL	0.7J	330
Metals			
Arsenic	0.81BJ	0.71BJ	10
Barium	27	39	1,000
Chromium	0.92J	0.47J	50
Cobalt	0.28J	0.78J	3
Copper	1.8	1.8	7
Lead	0.35J	0.34J	25
Mercury	BDL	BDL	0.012
Nickel	0.6J	0.63J	25
Vanadium	3.3J	3.3J	NS
Zinc	3.5J	5.1J	50

Notes:
Surface water samples collected on September 12, 2011 and analyzed for Appendix I volatile organic compounds (VOC's) by EPA Method 8260B, Appendix I metals by EPA 6020A, & mercury by EPA Method 7470A. Analyses by Shealy Environmental Services, Inc. in West Columbia, SC.
BDL=below detection limit; NA = not applicable
NCGPS=North Carolina Groundwater Protection Standard
NCSWWS = North Carolina Surface Water and Wetland Standards (15A NCAC 02B) for Haw Creek (Class WS-V Water) or are EPA National Criteria.
Bold and shade denotes above established NCSWWS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL
NS = no standard

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APPENDIX A
LABORATORY DATA SHEETS

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

Buxton Environmental
PO Box 11550
Charlotte, NC 28220
Attention: Ross Klingman

Project Name: **Alamance Co-Swepsonville Landfills**

Lot Number: **MI13042**
Date Completed: **09/19/2011**

N. Saikaly

Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
Buxton Environmental
Lot Number: MI13042

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

Shealy is not NELAC certified for Phosphorus by 365.1 but is certified in SC and NC.

Shealy is not NELAC certified for VPH, but is certified for VPH in NC.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary
Buxton Environmental
Lot Number: MI13042

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-1	Aqueous	09/12/2011 1500	09/13/2011
002	MW-3	Aqueous	09/12/2011 1820	09/13/2011
003	MW-4	Aqueous	09/12/2011 1900	09/13/2011
004	MW-5	Aqueous	09/12/2011 1920	09/13/2011
005	MW-6	Aqueous	09/12/2011 1545	09/13/2011
006	MW-7A	Aqueous	09/12/2011 1630	09/13/2011
007	MW-7B	Aqueous	09/12/2011 1645	09/13/2011
008	MW-8A	Aqueous	09/12/2011 1715	09/13/2011
009	MW-8B	Aqueous	09/12/2011 1730	09/13/2011
010	MW-9	Aqueous	09/12/2011 1520	09/13/2011
011	SW-1	Aqueous	09/12/2011 1615	09/13/2011
012	SW-2	Aqueous	09/12/2011 1830	09/13/2011
013	Trip Blank	Aqueous	09/12/2011	09/13/2011

(13 samples)

Executive Summary
Buxton Environmental
Lot Number: MI13042

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-1	Aqueous	Tetrachloroethene	8260B	1.5		ug/L	8
001	MW-1	Aqueous	Antimony	6020A	0.31	J	ug/L	10
001	MW-1	Aqueous	Arsenic	6020A	0.59	BJ	ug/L	10
001	MW-1	Aqueous	Barium	6020A	130		ug/L	10
001	MW-1	Aqueous	Beryllium	6020A	0.48		ug/L	10
001	MW-1	Aqueous	Cadmium	6020A	0.51		ug/L	10
001	MW-1	Aqueous	Cobalt	6020A	2.5	J	ug/L	10
001	MW-1	Aqueous	Copper	6020A	2.4		ug/L	10
001	MW-1	Aqueous	Lead	6020A	0.67	J	ug/L	10
001	MW-1	Aqueous	Nickel	6020A	0.93	J	ug/L	10
001	MW-1	Aqueous	Silver	6020A	0.023	J	ug/L	10
001	MW-1	Aqueous	Vanadium	6020A	1.7	J	ug/L	10
001	MW-1	Aqueous	Zinc	6020A	12		ug/L	10
002	MW-3	Aqueous	1,1-Dichloroethane	8260B	0.28	J	ug/L	12
002	MW-3	Aqueous	cis-1,2-Dichloroethene	8260B	1.7		ug/L	12
002	MW-3	Aqueous	Tetrachloroethene	8260B	0.19	J	ug/L	12
002	MW-3	Aqueous	Arsenic	6020A	0.81	BJ	ug/L	14
002	MW-3	Aqueous	Barium	6020A	62		ug/L	14
002	MW-3	Aqueous	Cadmium	6020A	0.60		ug/L	14
002	MW-3	Aqueous	Cobalt	6020A	1.1	J	ug/L	14
002	MW-3	Aqueous	Copper	6020A	0.66	J	ug/L	14
002	MW-3	Aqueous	Lead	6020A	0.21	J	ug/L	14
002	MW-3	Aqueous	Nickel	6020A	1.1	J	ug/L	14
002	MW-3	Aqueous	Zinc	6020A	3.7	J	ug/L	14
003	MW-4	Aqueous	Benzene	8260B	0.84	J	ug/L	16
003	MW-4	Aqueous	Chlorobenzene	8260B	1.3		ug/L	16
003	MW-4	Aqueous	Chloroethane	8260B	6.4		ug/L	16
003	MW-4	Aqueous	1,2-Dichlorobenzene	8260B	2.0		ug/L	16
003	MW-4	Aqueous	1,4-Dichlorobenzene	8260B	12		ug/L	16
003	MW-4	Aqueous	1,1-Dichloroethane	8260B	68		ug/L	16
003	MW-4	Aqueous	1,2-Dichloroethane	8260B	1.5		ug/L	16
003	MW-4	Aqueous	1,1-Dichloroethene	8260B	0.39	J	ug/L	16
003	MW-4	Aqueous	cis-1,2-Dichloroethene	8260B	250		ug/L	16
003	MW-4	Aqueous	trans-1,2-Dichloroethene	8260B	1.8		ug/L	16
003	MW-4	Aqueous	1,2-Dichloropropane	8260B	1.8		ug/L	16
003	MW-4	Aqueous	Trichloroethene	8260B	1.3		ug/L	16
003	MW-4	Aqueous	Vinyl chloride	8260B	16		ug/L	17
003	MW-4	Aqueous	Antimony	6020A	0.15	J	ug/L	18
003	MW-4	Aqueous	Arsenic	6020A	1.5	B	ug/L	18
003	MW-4	Aqueous	Barium	6020A	120		ug/L	18
003	MW-4	Aqueous	Beryllium	6020A	0.034	J	ug/L	18
003	MW-4	Aqueous	Cadmium	6020A	0.43		ug/L	18
003	MW-4	Aqueous	Cobalt	6020A	87		ug/L	18
003	MW-4	Aqueous	Copper	6020A	3.2		ug/L	18
003	MW-4	Aqueous	Lead	6020A	0.34	J	ug/L	18

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
003	MW-4	Aqueous	Nickel	6020A	6.1		ug/L	18
003	MW-4	Aqueous	Selenium	6020A	1.4		ug/L	18
003	MW-4	Aqueous	Vanadium	6020A	5.1		ug/L	18
003	MW-4	Aqueous	Zinc	6020A	29		ug/L	18
004	MW-5	Aqueous	Antimony	6020A	0.63	J	ug/L	22
004	MW-5	Aqueous	Arsenic	6020A	0.82	BJ	ug/L	22
004	MW-5	Aqueous	Barium	6020A	62		ug/L	22
004	MW-5	Aqueous	Cadmium	6020A	0.20		ug/L	22
004	MW-5	Aqueous	Chromium	6020A	0.61	J	ug/L	22
004	MW-5	Aqueous	Cobalt	6020A	0.48	J	ug/L	22
004	MW-5	Aqueous	Copper	6020A	2.0		ug/L	22
004	MW-5	Aqueous	Lead	6020A	0.55	J	ug/L	22
004	MW-5	Aqueous	Nickel	6020A	0.95	J	ug/L	22
004	MW-5	Aqueous	Vanadium	6020A	2.3	J	ug/L	22
004	MW-5	Aqueous	Zinc	6020A	4.7	J	ug/L	22
005	MW-6	Aqueous	Arsenic	6020A	0.81	BJ	ug/L	26
005	MW-6	Aqueous	Barium	6020A	110		ug/L	26
005	MW-6	Aqueous	Beryllium	6020A	0.17	J	ug/L	26
005	MW-6	Aqueous	Cadmium	6020A	0.22		ug/L	26
005	MW-6	Aqueous	Chromium	6020A	1.3	J	ug/L	26
005	MW-6	Aqueous	Cobalt	6020A	3.6	J	ug/L	26
005	MW-6	Aqueous	Copper	6020A	0.67	J	ug/L	26
005	MW-6	Aqueous	Lead	6020A	0.45	J	ug/L	26
005	MW-6	Aqueous	Nickel	6020A	1.8	J	ug/L	26
005	MW-6	Aqueous	Vanadium	6020A	4.0	J	ug/L	26
005	MW-6	Aqueous	Zinc	6020A	9.1	J	ug/L	26
006	MW-7A	Aqueous	Benzene	8260B	5.0		ug/L	28
006	MW-7A	Aqueous	Chlorobenzene	8260B	0.35	J	ug/L	28
006	MW-7A	Aqueous	Chloroethane	8260B	3.7		ug/L	28
006	MW-7A	Aqueous	1,4-Dichlorobenzene	8260B	2.9		ug/L	28
006	MW-7A	Aqueous	1,1-Dichloroethane	8260B	24		ug/L	28
006	MW-7A	Aqueous	1,1-Dichloroethene	8260B	0.25	J	ug/L	28
006	MW-7A	Aqueous	cis-1,2-Dichloroethene	8260B	48		ug/L	28
006	MW-7A	Aqueous	trans-1,2-Dichloroethene	8260B	0.33	J	ug/L	28
006	MW-7A	Aqueous	Methylene chloride	8260B	1.3		ug/L	28
006	MW-7A	Aqueous	Tetrachloroethene	8260B	13		ug/L	28
006	MW-7A	Aqueous	Trichloroethene	8260B	16		ug/L	28
006	MW-7A	Aqueous	Vinyl chloride	8260B	3.9		ug/L	29
006	MW-7A	Aqueous	Arsenic	6020A	0.45	BJ	ug/L	30
006	MW-7A	Aqueous	Barium	6020A	120		ug/L	30
006	MW-7A	Aqueous	Cadmium	6020A	0.24		ug/L	30
006	MW-7A	Aqueous	Cobalt	6020A	0.94	J	ug/L	30
006	MW-7A	Aqueous	Copper	6020A	0.77	J	ug/L	30
006	MW-7A	Aqueous	Lead	6020A	0.11	J	ug/L	30
006	MW-7A	Aqueous	Nickel	6020A	1.5	J	ug/L	30
006	MW-7A	Aqueous	Vanadium	6020A	2.1	J	ug/L	30
006	MW-7A	Aqueous	Zinc	6020A	3.4	J	ug/L	30
006	MW-7A	Aqueous	Mercury	7470A	0.00021		mg/L	31

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
007	MW-7B	Aqueous	Benzene	8260B	8.9		ug/L	32
007	MW-7B	Aqueous	Chlorobenzene	8260B	0.53	J	ug/L	32
007	MW-7B	Aqueous	Chloroethane	8260B	5.0		ug/L	32
007	MW-7B	Aqueous	1,4-Dichlorobenzene	8260B	5.9		ug/L	32
007	MW-7B	Aqueous	1,1-Dichloroethane	8260B	33		ug/L	32
007	MW-7B	Aqueous	1,1-Dichloroethene	8260B	0.42	J	ug/L	32
007	MW-7B	Aqueous	cis-1,2-Dichloroethene	8260B	73		ug/L	32
007	MW-7B	Aqueous	trans-1,2-Dichloroethene	8260B	0.48	J	ug/L	32
007	MW-7B	Aqueous	1,2-Dichloropropane	8260B	0.31	J	ug/L	32
007	MW-7B	Aqueous	Methylene chloride	8260B	1.2		ug/L	32
007	MW-7B	Aqueous	Tetrachloroethene	8260B	18		ug/L	32
007	MW-7B	Aqueous	Trichloroethene	8260B	21		ug/L	32
007	MW-7B	Aqueous	Vinyl chloride	8260B	5.7		ug/L	33
007	MW-7B	Aqueous	Arsenic	6020A	0.38	BJ	ug/L	34
007	MW-7B	Aqueous	Barium	6020A	150		ug/L	34
007	MW-7B	Aqueous	Cadmium	6020A	0.072	J	ug/L	34
007	MW-7B	Aqueous	Cobalt	6020A	0.45	J	ug/L	34
007	MW-7B	Aqueous	Copper	6020A	1.9		ug/L	34
007	MW-7B	Aqueous	Lead	6020A	0.078	J	ug/L	34
007	MW-7B	Aqueous	Nickel	6020A	1.5	J	ug/L	34
007	MW-7B	Aqueous	Zinc	6020A	2.5	J	ug/L	34
007	MW-7B	Aqueous	Mercury	7470A	0.000065	J	mg/L	35
008	MW-8A	Aqueous	Barium	6020A	14		ug/L	38
008	MW-8A	Aqueous	Cadmium	6020A	0.17		ug/L	38
008	MW-8A	Aqueous	Zinc	6020A	1.9	J	ug/L	38
009	MW-8B	Aqueous	2-Butanone (MEK)	8260B	11		ug/L	40
009	MW-8B	Aqueous	2-Hexanone	8260B	4.3	J	ug/L	40
010	MW-9	Aqueous	Arsenic	6020A	0.56	BJ	ug/L	44
010	MW-9	Aqueous	Barium	6020A	54		ug/L	44
010	MW-9	Aqueous	Beryllium	6020A	0.039	J	ug/L	44
010	MW-9	Aqueous	Cadmium	6020A	0.77		ug/L	44
010	MW-9	Aqueous	Chromium	6020A	0.48	J	ug/L	44
010	MW-9	Aqueous	Cobalt	6020A	6.4		ug/L	44
010	MW-9	Aqueous	Copper	6020A	2.2		ug/L	44
010	MW-9	Aqueous	Lead	6020A	0.55	J	ug/L	44
010	MW-9	Aqueous	Nickel	6020A	2.4	J	ug/L	44
010	MW-9	Aqueous	Vanadium	6020A	2.1	J	ug/L	44
010	MW-9	Aqueous	Zinc	6020A	6.2	J	ug/L	44
011	SW-1	Aqueous	Arsenic	6020A	0.81	BJ	ug/L	48
011	SW-1	Aqueous	Barium	6020A	27		ug/L	48
011	SW-1	Aqueous	Chromium	6020A	0.92	J	ug/L	48
011	SW-1	Aqueous	Cobalt	6020A	0.28	J	ug/L	48
011	SW-1	Aqueous	Copper	6020A	1.8		ug/L	48
011	SW-1	Aqueous	Lead	6020A	0.35	J	ug/L	48
011	SW-1	Aqueous	Nickel	6020A	0.60	J	ug/L	48
011	SW-1	Aqueous	Vanadium	6020A	3.3	J	ug/L	48
011	SW-1	Aqueous	Zinc	6020A	3.5	J	ug/L	48
012	SW-2	Aqueous	1,1-Dichloroethane	8260B	0.19	J	ug/L	50

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
012	SW-2	Aqueous	cis-1,2-Dichloroethene	8260B	0.70	J	ug/L	50
012	SW-2	Aqueous	Arsenic	6020A	0.71	BJ	ug/L	52
012	SW-2	Aqueous	Barium	6020A	39		ug/L	52
012	SW-2	Aqueous	Chromium	6020A	0.47	J	ug/L	52
012	SW-2	Aqueous	Cobalt	6020A	0.78	J	ug/L	52
012	SW-2	Aqueous	Copper	6020A	1.8		ug/L	52
012	SW-2	Aqueous	Lead	6020A	0.34	J	ug/L	52
012	SW-2	Aqueous	Nickel	6020A	0.63	J	ug/L	52
012	SW-2	Aqueous	Vanadium	6020A	3.3	J	ug/L	52
012	SW-2	Aqueous	Zinc	6020A	5.1	J	ug/L	52

(151 detections)

Client: **Buxton Environmental** | Laboratory ID: **MI13042-001**

Description: **MW-1** | Matrix: **Aqueous**

Date Sampled: **09/12/2011 1500**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1357	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**1.5**		**1.0**	**0.13**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **Buxton Environmental**
Description: **MW-1**
Date Sampled: **09/12/2011 1500**
Date Received: **09/13/2011**

Laboratory ID: **MI13042-001**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1357	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Client: **Buxton Environmental**
Description: **MW-1**
Date Sampled: **09/12/2011 1500**
Date Received: **09/13/2011**

Laboratory ID: **MI13042-001**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/15/2011 0109	KJC	09/13/2011 1940	67596
2	3005A	6020A	1	09/16/2011 0247	KJC	09/13/2011 1940	67596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	**7440-36-0**	**6020A**	**0.31**	**J**	**1.0**	**0.097**	**ug/L**	**1**
Arsenic	**7440-38-2**	**6020A**	**0.59**	**BJ**	**1.0**	**0.26**	**ug/L**	**1**
Barium	**7440-39-3**	**6020A**	**130**		**5.0**	**0.045**	**ug/L**	**1**
Beryllium	**7440-41-7**	**6020A**	**0.48**		**0.40**	**0.028**	**ug/L**	**1**
Cadmium	**7440-43-9**	**6020A**	**0.51**		**0.10**	**0.059**	**ug/L**	**1**
Chromium	7440-47-3	6020A	ND		5.0	0.35	ug/L	1
Cobalt	**7440-48-4**	**6020A**	**2.5**	**J**	**5.0**	**0.029**	**ug/L**	**2**
Copper	**7440-50-8**	**6020A**	**2.4**		**1.0**	**0.15**	**ug/L**	**2**
Lead	**7439-92-1**	**6020A**	**0.67**	**J**	**1.0**	**0.047**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**0.93**	**J**	**5.0**	**0.28**	**ug/L**	**2**
Selenium	7782-49-2	6020A	ND		1.0	0.25	ug/L	2
Silver	**7440-22-4**	**6020A**	**0.023**	**J**	**1.0**	**0.011**	**ug/L**	**1**
Thallium	7440-28-0	6020A	ND		0.50	0.076	ug/L	1
Vanadium	**7440-62-2**	**6020A**	**1.7**	**J**	**5.0**	**1.5**	**ug/L**	**1**
Zinc	**7440-66-6**	**6020A**	**12**		**10**	**1.5**	**ug/L**	**2**

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **Buxton Environmental**
Description: **MW-1**
Date Sampled: **09/12/2011 1500**
Date Received: **09/13/2011**

Laboratory ID: **MI13042-001**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/14/2011 2243	COH	09/14/2011 1704	67654

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Client: **Buxton Environmental** | Laboratory ID: **MI13042-002**

Description: **MW-3** | Matrix: **Aqueous**

Date Sampled: **09/12/2011 1820**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1418	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	**75-34-3**	**8260B**	**0.28**	**J**	**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**1.7**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**0.19**	**J**	**1.0**	**0.13**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **Buxton Environmental** | Laboratory ID: **MI13042-002**

Description: **MW-3** | Matrix: **Aqueous**

Date Sampled: **09/12/2011 1820**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1418	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		113	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

Client: **Buxton Environmental** Laboratory ID: **MI13042-002**

Description: **MW-3** Matrix: **Aqueous**

Date Sampled: **09/12/2011 1820**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/15/2011 0129	KJC	09/13/2011 1940	67596
2	3005A	6020A	1	09/16/2011 0308	KJC	09/13/2011 1940	67596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6020A	ND		1.0	0.097	ug/L	1
Arsenic	**7440-38-2**	**6020A**	**0.81**	**BJ**	**1.0**	**0.26**	**ug/L**	**1**
Barium	**7440-39-3**	**6020A**	**62**		**5.0**	**0.045**	**ug/L**	**1**
Beryllium	7440-41-7	6020A	ND		0.40	0.028	ug/L	1
Cadmium	**7440-43-9**	**6020A**	**0.60**		**0.10**	**0.059**	**ug/L**	**1**
Chromium	7440-47-3	6020A	ND		5.0	0.35	ug/L	1
Cobalt	**7440-48-4**	**6020A**	**1.1**	**J**	**5.0**	**0.029**	**ug/L**	**2**
Copper	**7440-50-8**	**6020A**	**0.66**	**J**	**1.0**	**0.15**	**ug/L**	**2**
Lead	**7439-92-1**	**6020A**	**0.21**	**J**	**1.0**	**0.047**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**1.1**	**J**	**5.0**	**0.28**	**ug/L**	**2**
Selenium	7782-49-2	6020A	ND		1.0	0.25	ug/L	2
Silver	7440-22-4	6020A	ND		1.0	0.011	ug/L	1
Thallium	7440-28-0	6020A	ND		0.50	0.076	ug/L	1
Vanadium	7440-62-2	6020A	ND		5.0	1.5	ug/L	1
Zinc	**7440-66-6**	**6020A**	**3.7**	**J**	**10**	**1.5**	**ug/L**	**2**

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

H = Out of holding time

Client: **Buxton Environmental** Laboratory ID: **MI13042-002**

Description: **MW-3** Matrix: **Aqueous**

Date Sampled: **09/12/2011 1820**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/14/2011 2245	COH	09/14/2011 1704	67654

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

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E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **MI13042-003**
Description: **MW-4**
Matrix: **Aqueous**
Date Sampled: **09/12/2011 1900**
Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1439	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.84**	**J**	**1.0**	**0.13**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**1.3**		**1.0**	**0.33**	**ug/L**	**1**
Chloroethane	**75-00-3**	**8260B**	**6.4**		**2.0**	**0.47**	**ug/L**	**1**
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	**95-50-1**	**8260B**	**2.0**		**1.0**	**0.33**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**12**		**1.0**	**0.33**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**68**		**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	**107-06-2**	**8260B**	**1.5**		**1.0**	**0.15**	**ug/L**	**1**
1,1-Dichloroethene	**75-35-4**	**8260B**	**0.39**	**J**	**1.0**	**0.16**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**250**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	**156-60-5**	**8260B**	**1.8**		**1.0**	**0.21**	**ug/L**	**1**
1,2-Dichloropropane	**78-87-5**	**8260B**	**1.8**		**1.0**	**0.19**	**ug/L**	**1**
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**1.3**		**1.0**	**0.18**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-4**
Date Sampled: **09/12/2011 1900**
Date Received: **09/13/2011**

Laboratory ID: **MI13042-003**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1439	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**16**		**1.0**	**0.054**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		113	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Client: **Buxton Environmental** | Laboratory ID: **MI13042-003**

Description: **MW-4** | Matrix: **Aqueous**

Date Sampled: **09/12/2011 1900**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/15/2011 0140	KJC	09/13/2011 1940	67596
2	3005A	6020A	1	09/16/2011 0318	KJC	09/13/2011 1940	67596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	**7440-36-0**	**6020A**	**0.15**	**J**	**1.0**	**0.097**	**ug/L**	**1**
Arsenic	**7440-38-2**	**6020A**	**1.5**	**B**	**1.0**	**0.26**	**ug/L**	**1**
Barium	**7440-39-3**	**6020A**	**120**		**5.0**	**0.045**	**ug/L**	**1**
Beryllium	**7440-41-7**	**6020A**	**0.034**	**J**	**0.40**	**0.028**	**ug/L**	**1**
Cadmium	**7440-43-9**	**6020A**	**0.43**		**0.10**	**0.059**	**ug/L**	**1**
Chromium	7440-47-3	6020A	ND		5.0	0.35	ug/L	1
Cobalt	**7440-48-4**	**6020A**	**87**		**5.0**	**0.029**	**ug/L**	**2**
Copper	**7440-50-8**	**6020A**	**3.2**		**1.0**	**0.15**	**ug/L**	**2**
Lead	**7439-92-1**	**6020A**	**0.34**	**J**	**1.0**	**0.047**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**6.1**		**5.0**	**0.28**	**ug/L**	**2**
Selenium	**7782-49-2**	**6020A**	**1.4**		**1.0**	**0.25**	**ug/L**	**2**
Silver	7440-22-4	6020A	ND		1.0	0.011	ug/L	1
Thallium	7440-28-0	6020A	ND		0.50	0.076	ug/L	1
Vanadium	**7440-62-2**	**6020A**	**5.1**		**5.0**	**1.5**	**ug/L**	**1**
Zinc	**7440-66-6**	**6020A**	**29**		**10**	**1.5**	**ug/L**	**2**

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

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J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **Buxton Environmental** Laboratory ID: **MI13042-003**

Description: **MW-4** Matrix: **Aqueous**

Date Sampled: **09/12/2011 1900**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/14/2011 2247	COH	09/14/2011 1704	67654

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental** | Laboratory ID: **MI13042-004**

Description: **MW-5** | Matrix: **Aqueous**

Date Sampled: **09/12/2011 1920**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1500	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental** | Laboratory ID: **MI13042-004**

Description: **MW-5** | Matrix: **Aqueous**

Date Sampled: **09/12/2011 1920**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1500	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit | B = Detected in the method blank | E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL | J = Estimated result < PQL and ≥ MDL | P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" | N = Recovery is out of criteria | H = Out of holding time

Client: **Buxton Environmental** | Laboratory ID: **MI13042-004**

Description: **MW-5** | Matrix: **Aqueous**

Date Sampled: **09/12/2011 1920**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/15/2011 0155	KJC	09/13/2011 1940	67596
2	3005A	6020A	1	09/16/2011 0334	KJC	09/13/2011 1940	67596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	**7440-36-0**	**6020A**	**0.63**	**J**	**1.0**	**0.097**	**ug/L**	**1**
Arsenic	**7440-38-2**	**6020A**	**0.82**	**BJ**	**1.0**	**0.26**	**ug/L**	**1**
Barium	**7440-39-3**	**6020A**	**62**		**5.0**	**0.045**	**ug/L**	**1**
Beryllium	7440-41-7	6020A	ND		0.40	0.028	ug/L	1
Cadmium	**7440-43-9**	**6020A**	**0.20**		**0.10**	**0.059**	**ug/L**	**1**
Chromium	**7440-47-3**	**6020A**	**0.61**	**J**	**5.0**	**0.35**	**ug/L**	**1**
Cobalt	**7440-48-4**	**6020A**	**0.48**	**J**	**5.0**	**0.029**	**ug/L**	**2**
Copper	**7440-50-8**	**6020A**	**2.0**		**1.0**	**0.15**	**ug/L**	**2**
Lead	**7439-92-1**	**6020A**	**0.55**	**J**	**1.0**	**0.047**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**0.95**	**J**	**5.0**	**0.28**	**ug/L**	**2**
Selenium	7782-49-2	6020A	ND		1.0	0.25	ug/L	2
Silver	7440-22-4	6020A	ND		1.0	0.011	ug/L	1
Thallium	7440-28-0	6020A	ND		0.50	0.076	ug/L	1
Vanadium	**7440-62-2**	**6020A**	**2.3**	**J**	**5.0**	**1.5**	**ug/L**	**1**
Zinc	**7440-66-6**	**6020A**	**4.7**	**J**	**10**	**1.5**	**ug/L**	**2**

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Client: **Buxton Environmental** Laboratory ID: **MI13042-004**

Description: **MW-5** Matrix: **Aqueous**

Date Sampled: **09/12/2011 1920**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/14/2011 2250	COH	09/14/2011 1704	67654

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-6**
Date Sampled: **09/12/2011 1545**
Date Received: **09/13/2011**

Laboratory ID: **MI13042-005**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1521	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-6**
Date Sampled: **09/12/2011 1545**
Date Received: **09/13/2011**

Laboratory ID: **MI13042-005**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1521	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Client: **Buxton Environmental** | Laboratory ID: **MI13042-005**

Description: **MW-6** | Matrix: **Aqueous**

Date Sampled: **09/12/2011 1545**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/15/2011 0200	KJC	09/13/2011 1940	67596
2	3005A	6020A	1	09/16/2011 0339	KJC	09/13/2011 1940	67596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6020A	ND		1.0	0.097	ug/L	1
Arsenic	**7440-38-2**	**6020A**	**0.81**	**BJ**	**1.0**	**0.26**	**ug/L**	**1**
Barium	**7440-39-3**	**6020A**	**110**		**5.0**	**0.045**	**ug/L**	**1**
Beryllium	**7440-41-7**	**6020A**	**0.17**	**J**	**0.40**	**0.028**	**ug/L**	**1**
Cadmium	**7440-43-9**	**6020A**	**0.22**		**0.10**	**0.059**	**ug/L**	**1**
Chromium	**7440-47-3**	**6020A**	**1.3**	**J**	**5.0**	**0.35**	**ug/L**	**1**
Cobalt	**7440-48-4**	**6020A**	**3.6**	**J**	**5.0**	**0.029**	**ug/L**	**2**
Copper	**7440-50-8**	**6020A**	**0.67**	**J**	**1.0**	**0.15**	**ug/L**	**2**
Lead	**7439-92-1**	**6020A**	**0.45**	**J**	**1.0**	**0.047**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**1.8**	**J**	**5.0**	**0.28**	**ug/L**	**2**
Selenium	7782-49-2	6020A	ND		1.0	0.25	ug/L	2
Silver	7440-22-4	6020A	ND		1.0	0.011	ug/L	1
Thallium	7440-28-0	6020A	ND		0.50	0.076	ug/L	1
Vanadium	**7440-62-2**	**6020A**	**4.0**	**J**	**5.0**	**1.5**	**ug/L**	**1**
Zinc	**7440-66-6**	**6020A**	**9.1**	**J**	**10**	**1.5**	**ug/L**	**2**

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Client: **Buxton Environmental** Laboratory ID: **MI13042-005**

Description: **MW-6** Matrix: **Aqueous**

Date Sampled: **09/12/2011 1545**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/14/2011 2258	COH	09/14/2011 1704	67654

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental** | Laboratory ID: **MI13042-006**

Description: **MW-7A** | Matrix: **Aqueous**

Date Sampled: **09/12/2011 1630**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1542	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**5.0**		**1.0**	**0.13**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**0.35**	**J**	**1.0**	**0.33**	**ug/L**	**1**
Chloroethane	**75-00-3**	**8260B**	**3.7**		**2.0**	**0.47**	**ug/L**	**1**
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**2.9**		**1.0**	**0.33**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**24**		**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260B**	**0.25**	**J**	**1.0**	**0.16**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**48**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	**156-60-5**	**8260B**	**0.33**	**J**	**1.0**	**0.21**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	**75-09-2**	**8260B**	**1.3**		**1.0**	**0.33**	**ug/L**	**1**
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**13**		**1.0**	**0.13**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**16**		**1.0**	**0.18**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Client: **Buxton Environmental** | Laboratory ID: **MI13042-006**

Description: **MW-7A** | Matrix: **Aqueous**

Date Sampled: **09/12/2011 1630**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1542	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**3.9**		**1.0**	**0.054**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

Client: **Buxton Environmental**
Description: **MW-7A**
Date Sampled: **09/12/2011 1630**
Date Received: **09/13/2011**

Laboratory ID: **MI13042-006**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/15/2011 0206	KJC	09/13/2011 1940	67596
2	3005A	6020A	1	09/16/2011 0344	KJC	09/13/2011 1940	67596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6020A	ND		1.0	0.097	ug/L	1
Arsenic	**7440-38-2**	**6020A**	**0.45**	**BJ**	**1.0**	**0.26**	**ug/L**	**1**
Barium	**7440-39-3**	**6020A**	**120**		**5.0**	**0.045**	**ug/L**	**1**
Beryllium	7440-41-7	6020A	ND		0.40	0.028	ug/L	1
Cadmium	**7440-43-9**	**6020A**	**0.24**		**0.10**	**0.059**	**ug/L**	**1**
Chromium	7440-47-3	6020A	ND		5.0	0.35	ug/L	1
Cobalt	**7440-48-4**	**6020A**	**0.94**	**J**	**5.0**	**0.029**	**ug/L**	**2**
Copper	**7440-50-8**	**6020A**	**0.77**	**J**	**1.0**	**0.15**	**ug/L**	**2**
Lead	**7439-92-1**	**6020A**	**0.11**	**J**	**1.0**	**0.047**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**1.5**	**J**	**5.0**	**0.28**	**ug/L**	**2**
Selenium	7782-49-2	6020A	ND		1.0	0.25	ug/L	2
Silver	7440-22-4	6020A	ND		1.0	0.011	ug/L	1
Thallium	7440-28-0	6020A	ND		0.50	0.076	ug/L	1
Vanadium	**7440-62-2**	**6020A**	**2.1**	**J**	**5.0**	**1.5**	**ug/L**	**1**
Zinc	**7440-66-6**	**6020A**	**3.4**	**J**	**10**	**1.5**	**ug/L**	**2**

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Client: **Buxton Environmental** Laboratory ID: **MI13042-006**

Description: **MW-7A** Matrix: **Aqueous**

Date Sampled: **09/12/2011 1630**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/14/2011 2301	COH	09/14/2011 1704	67654

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	**7439-97-6**	**7470A**	**0.00021**		**0.00010**	**0.000053**	**mg/L**	**1**

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental** | Laboratory ID: **MI13042-007**

Description: **MW-7B** | Matrix: **Aqueous**

Date Sampled: **09/12/2011 1645**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1603	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**8.9**		**1.0**	**0.13**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**0.53**	**J**	**1.0**	**0.33**	**ug/L**	**1**
Chloroethane	**75-00-3**	**8260B**	**5.0**		**2.0**	**0.47**	**ug/L**	**1**
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**5.9**		**1.0**	**0.33**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**33**		**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260B**	**0.42**	**J**	**1.0**	**0.16**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**73**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	**156-60-5**	**8260B**	**0.48**	**J**	**1.0**	**0.21**	**ug/L**	**1**
1,2-Dichloropropane	**78-87-5**	**8260B**	**0.31**	**J**	**1.0**	**0.19**	**ug/L**	**1**
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	**75-09-2**	**8260B**	**1.2**		**1.0**	**0.33**	**ug/L**	**1**
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**18**		**1.0**	**0.13**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**21**		**1.0**	**0.18**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-7B**
Date Sampled: **09/12/2011 1645**
Date Received: **09/13/2011**

Laboratory ID: **MI13042-007**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1603	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**5.7**		**1.0**	**0.054**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		114	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Client: **Buxton Environmental**
Description: **MW-7B**
Date Sampled: **09/12/2011 1645**
Date Received: **09/13/2011**

Laboratory ID: **MI13042-007**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/15/2011 0211	KJC	09/13/2011 1940	67596
2	3005A	6020A	1	09/16/2011 0349	KJC	09/13/2011 1940	67596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6020A	ND		1.0	0.097	ug/L	1
Arsenic	**7440-38-2**	**6020A**	**0.38**	**BJ**	**1.0**	**0.26**	**ug/L**	**1**
Barium	**7440-39-3**	**6020A**	**150**		**5.0**	**0.045**	**ug/L**	**1**
Beryllium	7440-41-7	6020A	ND		0.40	0.028	ug/L	1
Cadmium	**7440-43-9**	**6020A**	**0.072**	**J**	**0.10**	**0.059**	**ug/L**	**1**
Chromium	7440-47-3	6020A	ND		5.0	0.35	ug/L	1
Cobalt	**7440-48-4**	**6020A**	**0.45**	**J**	**5.0**	**0.029**	**ug/L**	**2**
Copper	**7440-50-8**	**6020A**	**1.9**		**1.0**	**0.15**	**ug/L**	**2**
Lead	**7439-92-1**	**6020A**	**0.078**	**J**	**1.0**	**0.047**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**1.5**	**J**	**5.0**	**0.28**	**ug/L**	**2**
Selenium	7782-49-2	6020A	ND		1.0	0.25	ug/L	2
Silver	7440-22-4	6020A	ND		1.0	0.011	ug/L	1
Thallium	7440-28-0	6020A	ND		0.50	0.076	ug/L	1
Vanadium	7440-62-2	6020A	ND		5.0	1.5	ug/L	1
Zinc	**7440-66-6**	**6020A**	**2.5**	**J**	**10**	**1.5**	**ug/L**	**2**

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Client: **Buxton Environmental** Laboratory ID: **MI13042-007**

Description: **MW-7B** Matrix: **Aqueous**

Date Sampled: **09/12/2011 1645**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/14/2011 2303	COH	09/14/2011 1704	67654

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	**7439-97-6**	**7470A**	**0.000065**	**J**	**0.00010**	**0.000053**	**mg/L**	**1**

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

Client: **Buxton Environmental** | Laboratory ID: **MI13042-008**

Description: **MW-8A** | Matrix: **Aqueous**

Date Sampled: **09/12/2011 1715**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/17/2011 0133	LBS		67866

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **Buxton Environmental** | Laboratory ID: **MI13042-008**

Description: **MW-8A** | Matrix: **Aqueous**

Date Sampled: **09/12/2011 1715**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/17/2011 0133	LBS		67866

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Client: **Buxton Environmental**
Description: **MW-8A**
Date Sampled: **09/12/2011 1715**
Date Received: **09/13/2011**

Laboratory ID: **MI13042-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/15/2011 0216	KJC	09/13/2011 1940	67596
2	3005A	6020A	1	09/16/2011 0354	KJC	09/13/2011 1940	67596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6020A	ND		1.0	0.097	ug/L	1
Arsenic	7440-38-2	6020A	ND		1.0	0.26	ug/L	1
Barium	**7440-39-3**	**6020A**	**14**		**5.0**	**0.045**	**ug/L**	**1**
Beryllium	7440-41-7	6020A	ND		0.40	0.028	ug/L	1
Cadmium	**7440-43-9**	**6020A**	**0.17**		**0.10**	**0.059**	**ug/L**	**1**
Chromium	7440-47-3	6020A	ND		5.0	0.35	ug/L	1
Cobalt	7440-48-4	6020A	ND		5.0	0.029	ug/L	2
Copper	7440-50-8	6020A	ND		1.0	0.15	ug/L	2
Lead	7439-92-1	6020A	ND		1.0	0.047	ug/L	1
Nickel	7440-02-0	6020A	ND		5.0	0.28	ug/L	2
Selenium	7782-49-2	6020A	ND		1.0	0.25	ug/L	2
Silver	7440-22-4	6020A	ND		1.0	0.011	ug/L	1
Thallium	7440-28-0	6020A	ND		0.50	0.076	ug/L	1
Vanadium	7440-62-2	6020A	ND		5.0	1.5	ug/L	1
Zinc	**7440-66-6**	**6020A**	**1.9**	**J**	**10**	**1.5**	**ug/L**	**2**

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

CVAA

Client: **Buxton Environmental**
Description: **MW-8A**
Date Sampled: **09/12/2011 1715**
Date Received: **09/13/2011**

Laboratory ID: **MI13042-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/14/2011 2305	COH	09/14/2011 1704	67654

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-8B**
Date Sampled: **09/12/2011 1730**
Date Received: **09/13/2011**

Laboratory ID: **MI13042-009**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/17/2011 0110	LBS		67866

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	**78-93-3**	**8260B**	**11**		**10**	**2.0**	**ug/L**	**1**
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	**591-78-6**	**8260B**	**4.3**	**J**	**10**	**0.27**	**ug/L**	**1**
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **MI13042-009**
Description: **MW-8B**
Matrix: **Aqueous**
Date Sampled: **09/12/2011 1730**
Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/17/2011 0110	LBS		67866

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-9**
Date Sampled: **09/12/2011 1520**
Date Received: **09/13/2011**

Laboratory ID: **MI13042-010**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1625	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **MI13042-010**
Description: **MW-9**
Matrix: **Aqueous**
Date Sampled: **09/12/2011 1520**
Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1625	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		116	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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H = Out of holding time

ICP-MS

Client: **Buxton Environmental**
Laboratory ID: **MI13042-010**
Description: **MW-9**
Matrix: **Aqueous**
Date Sampled: **09/12/2011 1520**
Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/15/2011 0221	KJC	09/13/2011 1940	67596
2	3005A	6020A	1	09/16/2011 0359	KJC	09/13/2011 1940	67596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6020A	ND		1.0	0.097	ug/L	1
Arsenic	**7440-38-2**	**6020A**	**0.56**	**BJ**	**1.0**	**0.26**	**ug/L**	**1**
Barium	**7440-39-3**	**6020A**	**54**		**5.0**	**0.045**	**ug/L**	**1**
Beryllium	**7440-41-7**	**6020A**	**0.039**	**J**	**0.40**	**0.028**	**ug/L**	**1**
Cadmium	**7440-43-9**	**6020A**	**0.77**		**0.10**	**0.059**	**ug/L**	**1**
Chromium	**7440-47-3**	**6020A**	**0.48**	**J**	**5.0**	**0.35**	**ug/L**	**1**
Cobalt	**7440-48-4**	**6020A**	**6.4**		**5.0**	**0.029**	**ug/L**	**2**
Copper	**7440-50-8**	**6020A**	**2.2**		**1.0**	**0.15**	**ug/L**	**2**
Lead	**7439-92-1**	**6020A**	**0.55**	**J**	**1.0**	**0.047**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**2.4**	**J**	**5.0**	**0.28**	**ug/L**	**2**
Selenium	7782-49-2	6020A	ND		1.0	0.25	ug/L	2
Silver	7440-22-4	6020A	ND		1.0	0.011	ug/L	1
Thallium	7440-28-0	6020A	ND		0.50	0.076	ug/L	1
Vanadium	**7440-62-2**	**6020A**	**2.1**	**J**	**5.0**	**1.5**	**ug/L**	**1**
Zinc	**7440-66-6**	**6020A**	**6.2**	**J**	**10**	**1.5**	**ug/L**	**2**

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

CVAA

Client: **Buxton Environmental**
Laboratory ID: **MI13042-010**
Description: **MW-9**
Matrix: **Aqueous**
Date Sampled: **09/12/2011 1520**
Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/14/2011 2308	COH	09/14/2011 1704	67654

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **MI13042-011**
Description: **SW-1**
Matrix: **Aqueous**
Date Sampled: **09/12/2011 1615**
Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1646	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **MI13042-011**
Description: **SW-1**
Matrix: **Aqueous**
Date Sampled: **09/12/2011 1615**
Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1646	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		117	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

ICP-MS

Client: **Buxton Environmental**
Laboratory ID: **MI13042-011**
Description: **SW-1**
Matrix: **Aqueous**
Date Sampled: **09/12/2011 1615**
Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/15/2011 0226	KJC	09/13/2011 1940	67596
2	3005A	6020A	1	09/16/2011 0405	KJC	09/13/2011 1940	67596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6020A	ND		1.0	0.097	ug/L	1
Arsenic	**7440-38-2**	**6020A**	**0.81**	**BJ**	**1.0**	**0.26**	**ug/L**	**1**
Barium	**7440-39-3**	**6020A**	**27**		**5.0**	**0.045**	**ug/L**	**1**
Beryllium	7440-41-7	6020A	ND		0.40	0.028	ug/L	1
Cadmium	7440-43-9	6020A	ND		0.10	0.059	ug/L	1
Chromium	**7440-47-3**	**6020A**	**0.92**	**J**	**5.0**	**0.35**	**ug/L**	**1**
Cobalt	**7440-48-4**	**6020A**	**0.28**	**J**	**5.0**	**0.029**	**ug/L**	**2**
Copper	**7440-50-8**	**6020A**	**1.8**		**1.0**	**0.15**	**ug/L**	**2**
Lead	**7439-92-1**	**6020A**	**0.35**	**J**	**1.0**	**0.047**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**0.60**	**J**	**5.0**	**0.28**	**ug/L**	**2**
Selenium	7782-49-2	6020A	ND		1.0	0.25	ug/L	2
Silver	7440-22-4	6020A	ND		1.0	0.011	ug/L	1
Thallium	7440-28-0	6020A	ND		0.50	0.076	ug/L	1
Vanadium	**7440-62-2**	**6020A**	**3.3**	**J**	**5.0**	**1.5**	**ug/L**	**1**
Zinc	**7440-66-6**	**6020A**	**3.5**	**J**	**10**	**1.5**	**ug/L**	**2**

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
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CVAA

Client: **Buxton Environmental**
Laboratory ID: **MI13042-011**
Description: **SW-1**
Matrix: **Aqueous**
Date Sampled: **09/12/2011 1615**
Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/14/2011 2319	COH	09/14/2011 1704	67654

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **MI13042-012**
Description: **SW-2**
Matrix: **Aqueous**
Date Sampled: **09/12/2011 1830**
Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1707	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	**75-34-3**	**8260B**	**0.19**	**J**	**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**0.70**	**J**	**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
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H = Out of holding time
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental** | Laboratory ID: **MI13042-012**

Description: **SW-2** | Matrix: **Aqueous**

Date Sampled: **09/12/2011 1830**

Date Received: **09/13/2011**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1707	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		118	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit

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J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

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H = Out of holding time

ICP-MS

Client: **Buxton Environmental**
Description: **SW-2**
Date Sampled: **09/12/2011 1830**
Date Received: **09/13/2011**

Laboratory ID: **MI13042-012**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/15/2011 0232	KJC	09/13/2011 1940	67596
2	3005A	6020A	1	09/16/2011 0410	KJC	09/13/2011 1940	67596

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6020A	ND		1.0	0.097	ug/L	1
Arsenic	**7440-38-2**	**6020A**	**0.71**	**BJ**	**1.0**	**0.26**	**ug/L**	**1**
Barium	**7440-39-3**	**6020A**	**39**		**5.0**	**0.045**	**ug/L**	**1**
Beryllium	7440-41-7	6020A	ND		0.40	0.028	ug/L	1
Cadmium	7440-43-9	6020A	ND		0.10	0.059	ug/L	1
Chromium	**7440-47-3**	**6020A**	**0.47**	**J**	**5.0**	**0.35**	**ug/L**	**1**
Cobalt	**7440-48-4**	**6020A**	**0.78**	**J**	**5.0**	**0.029**	**ug/L**	**2**
Copper	**7440-50-8**	**6020A**	**1.8**		**1.0**	**0.15**	**ug/L**	**2**
Lead	**7439-92-1**	**6020A**	**0.34**	**J**	**1.0**	**0.047**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**0.63**	**J**	**5.0**	**0.28**	**ug/L**	**2**
Selenium	7782-49-2	6020A	ND		1.0	0.25	ug/L	2
Silver	7440-22-4	6020A	ND		1.0	0.011	ug/L	1
Thallium	7440-28-0	6020A	ND		0.50	0.076	ug/L	1
Vanadium	**7440-62-2**	**6020A**	**3.3**	**J**	**5.0**	**1.5**	**ug/L**	**1**
Zinc	**7440-66-6**	**6020A**	**5.1**	**J**	**10**	**1.5**	**ug/L**	**2**

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CVAA

Client: **Buxton Environmental**
Description: **SW-2**
Date Sampled: **09/12/2011 1830**
Date Received: **09/13/2011**

Laboratory ID: **MI13042-012**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/14/2011 2330	COH	09/14/2011 1704	67654

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **Trip Blank**
Date Sampled: **09/12/2011**
Date Received: **09/13/2011**

Laboratory ID: **MI13042-013**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1729	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.11	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **Trip Blank**
Date Sampled: **09/12/2011**
Date Received: **09/13/2011**

Laboratory ID: **MI13042-013**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/16/2011 1729	BM		67834

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		120	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
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Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 04972

Client: BOYTON ENVIRONMENTAL, INC	Report to Contact: Ross Bingman	Sampler (Printed Name): Ross Bingman	Quote No.
Address: 101 South Rhett Street	Telephone No. / Fax No. / Email:	Waybill No.	Page 1 of 1
City: Charlotte; State: NC; Zip Code: 28203	Preservative: 1. Unpres 2. NaOH/ZnA 3. H_2SO_4 4. HNO_3 5. HCL 6. Na $_2S_2O_3$ 7. NaOH		Number of Containers / Bottle (See Instructions on back) / Preservative
Project Name: Alamance Co - Swepsonville LNAPL			Lot No. MI 13042

Project Number	P.O. Number			Matrix					Analysis															Remarks / Cooler ID
Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	GW	DW	WW	S	Other																
MW-1	9-12-11	15:00	G	4						X	X													
MW-3	"	18:20	G	4						X	X													
MW-4	"	19:00	G	4						X	X													
MW-5	"	19:20	G	4						X	X													
MW-6	"	15:45	G	4						X	X													
MW-7A	"	16:30	G	4						X	X													
MW-7B	"	16:45	G	4						X	X													
MW-8A	"	17:15	G	4						X	X													
MW-8B	"	17:30	G	4						X														
MW-9	"	15:20	G	4						X	X													
SW-1	"	16:15	G	4						X	X													
SW-2	"	18:30	G	4						X	X													
TRIP BLANK	—	—	G	4						X														

Turn Around Time Required (Prior lab approval required for expedited TAT): ☑ Standard ☐ Rush (Please Specify) 7 DAY TAT

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify): ALAMANCE PCE AC SOLID WASTE CVOC SECTION - FLOW DETECTOR W/ ECD

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler	9-13-11	9:30	1. Received by	9-13-11	10:20
2. Relinquished by	9-13-11	16:00	2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory Received by	9-13-11	1640

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Circle): ☑ Yes ☐ No ☐ Ice Pack — Receipt Temp. 2 °C — Temp. Blank: ☐ Y / ☐ N

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Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 8

Page 1 of 1
Replaces Date: 02/23/11
Effective Date: 05/06/11

Sample Receipt Checklist (SRC)

Client: Brixton Environmental Cooler Inspected by/date: [illegible] 19/13/11 Lot #: ME 13042

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other

Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☑		2. If custody seals were present, were they intact and unbroken?

Cooler ID/temperature upon receipt 2.0 °C / °C / °C / °C / °C / °C / °C / °C

Method: ☐ Temperature Blank ☑ Against Bottles
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed?
Yes ☑	No ☐		7. Was collection date & time listed?
Yes ☑	No ☐		8. Were tests to be performed listed on the COC?
Yes ☑	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☐	No ☑		12. Was adequate sample volume available? - 005 1 vial for VOC test
Yes ☑	No ☐		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		14. Were any samples containers missing?
Yes ☐	No ☑		15. Were there any excess samples not listed on COC?
Yes ☑	No ☐	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☑	No ☐	NA ☐	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L)samples free of residual chlorine?
Yes ☐	No ☑	NA ☐	20. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____were received incorrectly preserved and were adjusted accordingly in sample receiving with _____(H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number)

Sample(s) 0/3(2) were received with bubbles >6 mm in diameter.

Sample(s)_____were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee:_____ Date of response:_____

Comments: