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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

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 County - Closed Swepsonville Landfill	Alfred Road Graham, NC	0101	.0500	September 24, 2015

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

Signature — November 16, 2015 — Date

Affix NC Licensed/Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1266 GEOLOGIST CHARLES ROSS KLINGMAN 11-16-15

Buxton Environmental, Inc.; 1101 South Blvd., Suite 101; Charlotte, NC 28203

Facility Representative Address

C-278

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

Buxton Environmental, Inc.

1101 South Blvd., Suite 101 ~ Charlotte, North Carolina 28203
Phone (704) 344-1450 ~ Fax (704) 344-1451 ~ e-mail: buxtonenv@bellsouth.net

November 16, 2015

Mr. Ervin Lane
NCDENR – Solid Waste Section
217 W. Jones Street
Raleigh, North Carolina 27603

Subject: ***Second Semi-Annual 2015***
Groundwater and Surface Water Monitoring
Alamance County - Austin Quarter Landfill (Permit No.: 0104) and
Alamance County - Closed Swepsonville Landfill (Permit No.: 0101)
Alamance County, North Carolina

Dear Mr. Lane,

Enclosed please find copies of the *Second Semi-Annual 2015, Groundwater and Surface Water Monitoring* reports prepared for the subject sites.

If you have any further questions concerning these matters, please call me at (704) 344-1450.

Sincerely,
Buxton Environmental, Inc.

Ross Klingman, P.G.
President

cc: Greg Thomas – Alamance County Landfill

SECOND SEMI-ANNUAL 2015
GROUNDWATER AND SURFACE WATER MONITORING EVENT
CLOSED SWEPSONVILLE LANDFILL
ALAMANCE COUNTY, NORTH CAROLINA
PERMIT NO.: 0101

Prepared for:

Mr. Greg Thomas
Solid Waste Director
Alamance County Landfill
2701 Austin Quarter Road
Graham, North Carolina 27253
Ph: 336-376-8902

November 10, 2015

Prepared by:

Ross Klingman, P.G.
Senior Geologist

NORTH CAROLINA LICENSED SEAL 1266 GEOLOGIST CHARLES ROSS KLINGMAN

Buxton Environmental, Inc.
Consulting Services
1101 South Blvd., Suite 101
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Ph (704) 344-1450 Fax (704) 344-1451
buxtonenv@bellsouth.net

SECOND SEMI-ANNUAL 2015
GROUNDWATER AND SURFACE WATER MONITORING EVENT
CLOSED SWEPSONVILLE LANDFILL
ALAMANCE COUNTY, NORTH CAROLINA
PERMIT NO.: 0101

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SECOND SEMI-ANNUAL 2015
GROUNDWATER AND SURFACE WATER MONITORING EVENT
CLOSED SWEPSONVILLE LANDFILL
ALAMANCE COUNTY, NORTH CAROLINA
PERMIT NO.: 0101

1.0 INTRODUCTION

Buxton Environmental, Inc. respectfully submits the methods and results of the second semi-annual 2015 groundwater and surface water monitoring activities conducted at the closed Swepsonville Landfill (Permit No. 0101) located along Alfred Road in Alamance County, Graham, 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 current North Carolina Department of Environmental Quality (formerly North Carolina Department of Environment and Natural Resources), Division of Waste Management - Solid Waste Section (NCSWS rules), NCSWS memorandums dated October 27, 2006, February 23, 2007 and October 16, 2007 concerning changes to laboratory detection limits and reporting requirements; the NCSWS groundwater and surface water sampling guidelines dated April 2008; and the NCSWS memorandum dated November 5, 2014 concerning electronic document submittal for routine groundwater and surface water monitoring. In addition, the North Carolina Ground Water Protection Standards (NCGPSs) 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 NCSWS 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 (VOCs) and metals plus mercury. Historical groundwater samples have indicated VOCs and metals above the North Carolina Groundwater Protection Standards (NCGPSs).

3.0 GROUNDWATER AND SURFACE WATER MONITORING ACTIVITIES

On September 24, 2015, Buxton Environmental, Inc. conducted the second semi-annual 2015 groundwater and surface water monitoring event at the subject site. Groundwater monitoring activities were conducted at nine (9) monitor wells MW-1, MW-3, MW-4, MW-5, MW-6, MW-7A, MW-7B, MW-8A and MW-9. Monitor wells MW-2 and MW-8B were dry during the sampling event, therefore, were 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 following purging at each well, and prior to collecting the surface water sample utilizing calibrated EXTECH Instruments ExStik meter. 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 VOCs by EPA Method 8260B, Appendix I metals by EPA Method 6020A, and mercury by EPA Method 7470A. For quality control purposes, one trip blank was analyzed for Appendix I VOCs. 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 2015 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-5, MW-6, MW-7A, MW-7B and MW-9 indicated target constituents above NCGPSs, which are summarized below.

Groundwater sample MW-1 indicated the presence of 1.2 micrograms per liter (ug/l) tetrachloroethene.

Groundwater sample MW-4 indicated the presence of 13 ug/l 1,4-dichlorobenzene, 80 ug/l 1,1-dichloroethane, 1.2 ug/l 1,2-dichloroethane, 320 ug/l cis-1,2-dichlroethene, 1.7 ug/l 1,2-dichloropropane, 17 ug/l vinyl chloride and 67 ug/l cobalt.

Groundwater sample MW-5 indicated the presence of 1.2 ug/l antimony, 15 ug/l chromium, 9.1 ug/l cobalt and 52 ug/l vanadium.

Groundwater sample MW-6 indicated the presence of 2.5 ug/l cadmium, 5.4 ug/l cobalt and 6 ug/l vanadium.

Groundwater sample MW-7A indicated the presence of 6.1 ug/l benzene, 6.2 ug/l 1,4-dichlorobenzene, 27 ug/l 1,1-dichloroethane, 88 ug/l cis-1,2-dichloroethene, 9.9 ug/l tetrachloroethene, 15 ug/l trichloroethene and 4.6 ug/l vinyl chloride.

Groundwater sample MW-7B indicated the presence of 6.1 ug/l benzene, 17 ug/l bromoform, 6.6 ug/l 1,4-dichlorobenzene, 27 ug/l 1,1-dichloroethane, 4 ug/l 1,2-dichloroethane, 92 ug/l cis-1,2-dichloroethene, 6.7 ug/l tetrachloroethene, 17 ug/l trichloroethene and 5.3 ug/l vinyl chloride.

Groundwater sample MW-9 indicated the presence of 8.6 ug/l cobalt.

The remaining groundwater samples collected at monitor wells MW-3 and MW-8Anot indicate target constituents above NCGPSs.

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) (NCSWWSs).

Quality Control Analytical Results

The trip blank indicated the presence of 0.22J ug/l chloroform. A J-flag indicates an estimated result (< Practical Quantitation Limit (PQL) and >=Method Detection Limit (MDL)).

5.0 CONCLUSIONS

On September 24, 2015, Buxton Environmental, Inc. conducted the second semi-annual 2015 groundwater and surface water monitoring activities at the closed Swepsonville Landfill (Permit No.: 0101) located in Alamance County, Graham, North Carolina. A summary of the findings of this investigation is provided below.

- Groundwater samples collected at MW-1, MW-4, MW-5, MW-6, MW-7A, MW-7B and MW-9 indicated target constituents above NCGPSs.

- The surface water samples did not indicate target constituents above the NCSWWSs.

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 2016.

- A copy of this report should be forwarded to the NCSWS for their review.

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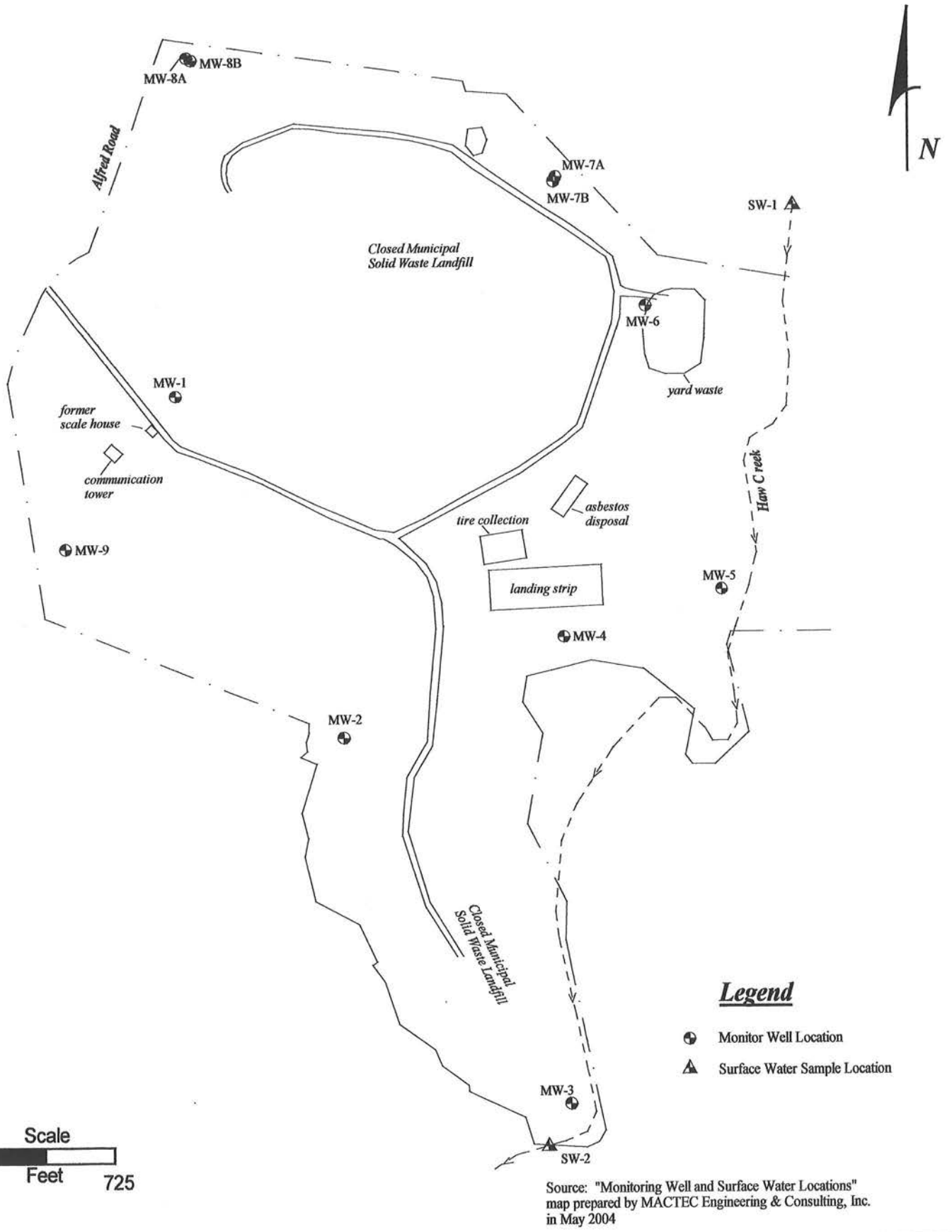
FIGURES



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 24, 2015

Well ID	*TD BTOC (ft)*	*TOC Elevation (ft)*	*DTW BTOC (ft)*	*DTW Elevation (ft)*
MW-1	33.00	574.67	27.64	547.03
MW-2	29.90	510.67	dry	dry
MW-3	24.10	466.63	13.02	453.61
MW-4	50.00	497.57	31.22	466.35
MW-5	19.00	476.56	18.70	457.86
MW-6	50.00	529.50	23.61	505.89
MW-7A	31.05	554.12	27.40	526.72
MW-7B	64.02	553.09	26.16	526.93
MW-8A	65.00	591.08	28.44	562.64
MW-8B	26.00	591.25	dry	dry
MW-9	27.50	568.78	25.61	543.17

Notes:

Depth to water measurements obtained on September 24, 2015 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 24, 2015

Sample ID	*Field Parameters*		
	pH (standard units)	*K (uS)*	*T (celcius)*
MW-1	7.06	115	18.7
MW-2	dry	dry	dry
MW-3	6.52	139	19.1
MW-4	6.48	1,094	18.7
MW-5	6.49	335	19.1
MW-6	7.08	180	18.6
MW-7A	6.50	252	17.2
MW-7B	6.51	248	16.7
MW-8A	7.64	54	18.5
MW-8B	dry	dry	dry
MW-9	7.64	90	19.3
SW-1	8.33	160	19.7
SW-2	6.50	264	19.3

Notes:
Field parameters collected on September 24, 2015 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

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TABLE 3
GROUNDWATER ANALYTICAL DATA
CLOSED SWEPSONVILLE LANDFILL
ALAMANCE COUNTY, NORTH CAROLINA
SEPTEMBER 24, 2015

Sample ID	*SWSL*	*MW-1*	*MW-2*	*MW-3*	*MW-4*	*MW-5*	*MW-6*	*MW-7A*	*MW-7B*	*MW-8A*	*MW-8B*	*MW-9*	*NCGPS*
VOCs													
Acetone	100	BDL	NT	BDL	BDL	BDL	BDL	BDL	21	BDL	NT	BDL	6,000
Benzene	1	BDL	NT	BDL	0.79J	BDL	BDL	**6.1**	**6.1**	BDL	NT	BDL	1
Bromoform	3	BDL	NT	BDL	BDL	BDL	BDL	BDL	**17**	BDL	NT	BDL	4
Chlorobenzene	3	BDL	NT	BDL	2.1	BDL	BDL	0.58J	0.56J	BDL	NT	BDL	50
Chloroethane	10	BDL	NT	BDL	8.7	BDL	BDL	2.8	2.8	BDL	NT	BDL	3,000
1,2-Dichlorobenzene	5	BDL	NT	BDL	2.3	BDL	BDL	BDL	7.1	BDL	NT	BDL	20
1,4-Dichlorobenzene	1	BDL	NT	BDL	**13**	BDL	BDL	**6.2**	**6.6**	BDL	NT	BDL	6
1,1-Dichloroethane	5	BDL	NT	0.28J	**80**	BDL	BDL	**27**	**27**	BDL	NT	BDL	6
1,2-Dichloroethane	1	BDL	NT	BDL	**1.2**	BDL	BDL	BDL	**4**	BDL	NT	BDL	0.4
1,1-Dichloroethene	5	BDL	NT	BDL	0.61J	BDL	BDL	BDL	BDL	BDL	NT	BDL	7
cis-1,2-Dichloroethene	5	BDL	NT	1.6	**320**	BDL	BDL	**88**	**92**	BDL	NT	BDL	70
trans-1,2-Dichloroethene	5	BDL	NT	BDL	1.7	BDL	BDL	BDL	BDL	BDL	NT	BDL	100
1,2-Dichloropropane	1	BDL	NT	BDL	**1.7**	BDL	BDL	0.47J	BDL	BDL	NT	BDL	0.6
Methylene Chloride	1	BDL	NT	BDL	BDL	BDL	BDL	1.2	0.61J	BDL	NT	BDL	5
4-Methyl-2-Pentanone	100	BDL	NT	BDL	BDL	BDL	BDL	BDL	0.69J	BDL	NT	BDL	560
Styrene	1	BDL	NT	BDL	BDL	BDL	BDL	BDL	0.14J	BDL	NT	BDL	70
Tetrachloroethene	1	**1.2**	NT	BDL	BDL	BDL	BDL	**9.9**	**6.7**	BDL	NT	BDL	0.7
Trichloroethene	1	BDL	NT	BDL	0.6J	BDL	BDL	**15**	**17**	BDL	NT	BDL	3
Vinyl Chloride	1	BDL	NT	BDL	**17**	BDL	BDL	**4.6**	**5.3**	BDL	NT	BDL	0.03
Xylenes	5	BDL	NT	BDL	BDL	BDL	BDL	0.47J	BDL	BDL	NT	BDL	500
Metals													
Antimony	6	BDL	NT	BDL	BDL	**1.2**	0.26J	BDL	BDL	BDL	NT	BDL	1
Arsenic	10	BDL	NT	BDL	0.64J	5.8	0.63J	0.57J	BDL	BDL	NT	0.52J	10
Barium	100	120	NT	74	120	170	95	170	130	14	NT	66	700
Beryllium	1	0.37J	NT	BDL	BDL	0.54	0.24J	0.22J	BDL	BDL	NT	BDL	4
Cadmium	10	0.45	NT	0.23	0.52	1.5	**2.5**	1.6	0.81	0.27	NT	0.68	2
Chromium	10	BDL	NT	0.8J	BDL	**15**	0.83J	BDL	BDL	BDL	NT	1.4J	10
Cobalt	10	2.1J	NT	BDL	**67**	**9.1**	**5.4**	2.5J	0.47J	BDL	NT	**8.6**	1
Copper	10	1.3	NT	0.94J	1.3	23	1.8	2.3	1.3	0.49J	NT	2.6	1,000
Lead	10	1.7	NT	3.5	0.34J	7.5	1.4	0.86J	0.43J	BDL	NT	0.62J	15
Mercury	0.2	0.35	NT	BDL	BDL	0.076J	BDL	0.098J	BDL	BDL	NT	BDL	1
Nickel	50	0.72J	NT	1.2J	7.2	7.4	1.1J	2.1J	1.2J	BDL	NT	2J	100
Selenium	10	BDL	NT	BDL	1.3	13	1.2	1.7	BDL	BDL	NT	1.7	20
Silver	10	BDL	NT	BDL	BDL	BDL	0.33J	0.25J	BDL	BDL	NT	BDL	20
Thallium	5.5	BDL	NT	BDL	BDL	BDL	BDL	0.24J	BDL	BDL	NT	BDL	0.28
Vanadium	25	BDL	NT	1.5J	1.7J	**52**	**6**	2.3J	BDL	BDL	NT	2.7J	0.3
Zinc	10	19	NT	10	23	70	17	28	22	6.9J	NT	12	1,000

Notes:
Groundwater samples collected on September 24, 2015 and analyzed for Appendix I volatile organic compounds (VOCs) 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 (J-flagged data not considered)
SWSL = Solid Waste Section Limits
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 24, 2015

Sample ID	***SWSL***	SW-1	SW-2	***NCSWWS***
Volatile Organic Compounds				
Acetone	100	BDL	2.4J	2,000
Metals				
Arsenic	10	BDL	0.28J	10
Barium	100	51	130	1,000
Cobalt	10	0.79J	2.3J	3
Copper	10	0.58J	0.81J	7
Mercury	0.2	BDL	BDL	0.012
Nickel	50	BDL	1J	25
Zinc	10	5.9J	14	50

Notes:
Surface water samples collected on September 24, 2015 and analyzed for Appendix I volatile organic compounds (VOCs) 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 (J-flagged data not considered)
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL
NS = no standard
NA = not applicable

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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 Landfill**

Lot Number: **QI25093**
Date Completed: **10/05/2015**

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: QI25093

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.

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: QI25093

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-1	Aqueous	09/24/2015 1445	09/25/2015
002	MW-3	Aqueous	09/24/2015 1645	09/25/2015
003	MW-4	Aqueous	09/24/2015 1730	09/25/2015
004	MW-5	Aqueous	09/24/2015 1800	09/25/2015
005	MW-6	Aqueous	09/24/2015 1515	09/25/2015
006	MW-7A	Aqueous	09/24/2015 1615	09/25/2015
007	MW-7B	Aqueous	09/24/2015 1600	09/25/2015
008	MW-8A	Aqueous	09/24/2015 1430	09/25/2015
009	MW-9	Aqueous	09/24/2015 1500	09/25/2015
010	SW-1	Aqueous	09/24/2015 1530	09/25/2015
011	SW-2	Aqueous	09/24/2015 1700	09/25/2015
012	TRIP BLANK	Aqueous	09/24/2015	09/25/2015

(12 samples)

Executive Summary
Buxton Environmental
Lot Number: QI25093

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-1	Aqueous	Tetrachloroethene	8260B	1.2		ug/L	8
001	MW-1	Aqueous	Barium	6020A	120		ug/L	10
001	MW-1	Aqueous	Beryllium	6020A	0.37	J	ug/L	10
001	MW-1	Aqueous	Cadmium	6020A	0.45		ug/L	10
001	MW-1	Aqueous	Cobalt	6020A	2.1	J	ug/L	10
001	MW-1	Aqueous	Copper	6020A	1.3		ug/L	10
001	MW-1	Aqueous	Lead	6020A	1.7		ug/L	10
001	MW-1	Aqueous	Nickel	6020A	0.72	J	ug/L	10
001	MW-1	Aqueous	Zinc	6020A	19		ug/L	10
001	MW-1	Aqueous	Mercury	7470A	0.00035		mg/L	11
002	MW-3	Aqueous	1,1-Dichloroethane	8260B	0.28	J	ug/L	12
002	MW-3	Aqueous	cis-1,2-Dichloroethene	8260B	1.6		ug/L	12
002	MW-3	Aqueous	Barium	6020A	74		ug/L	14
002	MW-3	Aqueous	Cadmium	6020A	0.23		ug/L	14
002	MW-3	Aqueous	Chromium	6020A	0.80	J	ug/L	14
002	MW-3	Aqueous	Copper	6020A	0.94	J	ug/L	14
002	MW-3	Aqueous	Lead	6020A	3.5		ug/L	14
002	MW-3	Aqueous	Nickel	6020A	1.2	J	ug/L	14
002	MW-3	Aqueous	Vanadium	6020A	1.5	J	ug/L	14
002	MW-3	Aqueous	Zinc	6020A	10		ug/L	14
003	MW-4	Aqueous	Benzene	8260B	0.79	J	ug/L	16
003	MW-4	Aqueous	Chlorobenzene	8260B	2.1		ug/L	16
003	MW-4	Aqueous	Chloroethane	8260B	8.7		ug/L	16
003	MW-4	Aqueous	1,2-Dichlorobenzene	8260B	2.3		ug/L	16
003	MW-4	Aqueous	1,4-Dichlorobenzene	8260B	13		ug/L	16
003	MW-4	Aqueous	1,1-Dichloroethane	8260B	80		ug/L	16
003	MW-4	Aqueous	1,2-Dichloroethane	8260B	1.2		ug/L	16
003	MW-4	Aqueous	1,1-Dichloroethene	8260B	0.61	J	ug/L	16
003	MW-4	Aqueous	cis-1,2-Dichloroethene	8260B	320		ug/L	16
003	MW-4	Aqueous	trans-1,2-Dichloroethene	8260B	1.7		ug/L	16
003	MW-4	Aqueous	1,2-Dichloropropane	8260B	1.7		ug/L	16
003	MW-4	Aqueous	Trichloroethene	8260B	0.60	J	ug/L	16
003	MW-4	Aqueous	Vinyl chloride	8260B	17		ug/L	17
003	MW-4	Aqueous	Arsenic	6020A	0.64	J	ug/L	18
003	MW-4	Aqueous	Barium	6020A	120		ug/L	18
003	MW-4	Aqueous	Cadmium	6020A	0.52		ug/L	18
003	MW-4	Aqueous	Cobalt	6020A	67		ug/L	18
003	MW-4	Aqueous	Copper	6020A	1.3		ug/L	18
003	MW-4	Aqueous	Lead	6020A	0.34	J	ug/L	18
003	MW-4	Aqueous	Nickel	6020A	7.2		ug/L	18
003	MW-4	Aqueous	Selenium	6020A	1.3		ug/L	18
003	MW-4	Aqueous	Vanadium	6020A	1.7	J	ug/L	18
003	MW-4	Aqueous	Zinc	6020A	23		ug/L	18
004	MW-5	Aqueous	Antimony	6020A	1.2		ug/L	22
004	MW-5	Aqueous	Arsenic	6020A	5.8		ug/L	22

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Executive Summary (Continued)

Lot Number: QI25093

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
004	MW-5	Aqueous	Barium	6020A	170		ug/L	22
004	MW-5	Aqueous	Beryllium	6020A	0.54		ug/L	22
004	MW-5	Aqueous	Cadmium	6020A	1.5		ug/L	22
004	MW-5	Aqueous	Chromium	6020A	15		ug/L	22
004	MW-5	Aqueous	Cobalt	6020A	9.1		ug/L	22
004	MW-5	Aqueous	Copper	6020A	23		ug/L	22
004	MW-5	Aqueous	Lead	6020A	7.5		ug/L	22
004	MW-5	Aqueous	Nickel	6020A	7.4		ug/L	22
004	MW-5	Aqueous	Selenium	6020A	13		ug/L	22
004	MW-5	Aqueous	Vanadium	6020A	52		ug/L	22
004	MW-5	Aqueous	Zinc	6020A	70		ug/L	22
004	MW-5	Aqueous	Mercury	7470A	0.000076	J	mg/L	23
005	MW-6	Aqueous	Antimony	6020A	0.26	J	ug/L	26
005	MW-6	Aqueous	Arsenic	6020A	0.63	J	ug/L	26
005	MW-6	Aqueous	Barium	6020A	95		ug/L	26
005	MW-6	Aqueous	Beryllium	6020A	0.24	J	ug/L	26
005	MW-6	Aqueous	Cadmium	6020A	2.5		ug/L	26
005	MW-6	Aqueous	Chromium	6020A	0.83	J	ug/L	26
005	MW-6	Aqueous	Cobalt	6020A	5.4		ug/L	26
005	MW-6	Aqueous	Copper	6020A	1.8		ug/L	26
005	MW-6	Aqueous	Lead	6020A	1.4		ug/L	26
005	MW-6	Aqueous	Nickel	6020A	1.1	J	ug/L	26
005	MW-6	Aqueous	Selenium	6020A	1.2		ug/L	26
005	MW-6	Aqueous	Silver	6020A	0.33	J	ug/L	26
005	MW-6	Aqueous	Vanadium	6020A	6.0		ug/L	26
005	MW-6	Aqueous	Zinc	6020A	17		ug/L	26
006	MW-7A	Aqueous	Benzene	8260B	6.1		ug/L	28
006	MW-7A	Aqueous	Chlorobenzene	8260B	0.58	J	ug/L	28
006	MW-7A	Aqueous	Chloroethane	8260B	2.8		ug/L	28
006	MW-7A	Aqueous	1,4-Dichlorobenzene	8260B	6.2		ug/L	28
006	MW-7A	Aqueous	1,1-Dichloroethane	8260B	27		ug/L	28
006	MW-7A	Aqueous	cis-1,2-Dichloroethene	8260B	88		ug/L	28
006	MW-7A	Aqueous	1,2-Dichloropropane	8260B	0.47	J	ug/L	28
006	MW-7A	Aqueous	Methylene chloride	8260B	1.2		ug/L	28
006	MW-7A	Aqueous	Tetrachloroethene	8260B	9.9		ug/L	28
006	MW-7A	Aqueous	Trichloroethene	8260B	15		ug/L	28
006	MW-7A	Aqueous	Vinyl chloride	8260B	4.6		ug/L	29
006	MW-7A	Aqueous	Xylenes (total)	8260B	0.47	J	ug/L	29
006	MW-7A	Aqueous	Arsenic	6020A	0.57	J	ug/L	30
006	MW-7A	Aqueous	Barium	6020A	170		ug/L	30
006	MW-7A	Aqueous	Beryllium	6020A	0.22	J	ug/L	30
006	MW-7A	Aqueous	Cadmium	6020A	1.6		ug/L	30
006	MW-7A	Aqueous	Cobalt	6020A	2.5	J	ug/L	30
006	MW-7A	Aqueous	Copper	6020A	2.3		ug/L	30
006	MW-7A	Aqueous	Lead	6020A	0.86	J	ug/L	30
006	MW-7A	Aqueous	Nickel	6020A	2.1	J	ug/L	30
006	MW-7A	Aqueous	Selenium	6020A	1.7		ug/L	30
006	MW-7A	Aqueous	Silver	6020A	0.25	J	ug/L	30

Executive Summary (Continued)

Lot Number: QI25093

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
006	MW-7A	Aqueous	Thallium	6020A	0.24	J	ug/L	30
006	MW-7A	Aqueous	Vanadium	6020A	2.3	J	ug/L	30
006	MW-7A	Aqueous	Zinc	6020A	28		ug/L	30
006	MW-7A	Aqueous	Mercury	7470A	0.000098	J	mg/L	31
007	MW-7B	Aqueous	Acetone	8260B	21		ug/L	32
007	MW-7B	Aqueous	Benzene	8260B	6.1		ug/L	32
007	MW-7B	Aqueous	Bromoform	8260B	17		ug/L	32
007	MW-7B	Aqueous	Chlorobenzene	8260B	0.56	J	ug/L	32
007	MW-7B	Aqueous	Chloroethane	8260B	2.8		ug/L	32
007	MW-7B	Aqueous	1,2-Dichlorobenzene	8260B	7.1		ug/L	32
007	MW-7B	Aqueous	1,4-Dichlorobenzene	8260B	6.6		ug/L	32
007	MW-7B	Aqueous	1,1-Dichloroethane	8260B	27		ug/L	32
007	MW-7B	Aqueous	1,2-Dichloroethane	8260B	4.0		ug/L	32
007	MW-7B	Aqueous	cis-1,2-Dichloroethene	8260B	92		ug/L	32
007	MW-7B	Aqueous	4-Methyl-2-pentanone	8260B	0.69	J	ug/L	32
007	MW-7B	Aqueous	Methylene chloride	8260B	0.61	J	ug/L	32
007	MW-7B	Aqueous	Styrene	8260B	0.14	J	ug/L	32
007	MW-7B	Aqueous	Tetrachloroethene	8260B	6.7		ug/L	32
007	MW-7B	Aqueous	Trichloroethene	8260B	17		ug/L	32
007	MW-7B	Aqueous	Vinyl chloride	8260B	5.3		ug/L	33
007	MW-7B	Aqueous	Barium	6020A	130		ug/L	34
007	MW-7B	Aqueous	Cadmium	6020A	0.81		ug/L	34
007	MW-7B	Aqueous	Cobalt	6020A	0.47	J	ug/L	34
007	MW-7B	Aqueous	Copper	6020A	1.3		ug/L	34
007	MW-7B	Aqueous	Lead	6020A	0.43	J	ug/L	34
007	MW-7B	Aqueous	Nickel	6020A	1.2	J	ug/L	34
007	MW-7B	Aqueous	Zinc	6020A	22		ug/L	34
008	MW-8A	Aqueous	Barium	6020A	14		ug/L	38
008	MW-8A	Aqueous	Cadmium	6020A	0.27		ug/L	38
008	MW-8A	Aqueous	Copper	6020A	0.49	J	ug/L	38
008	MW-8A	Aqueous	Zinc	6020A	6.9	J	ug/L	38
009	MW-9	Aqueous	Arsenic	6020A	0.52	J	ug/L	42
009	MW-9	Aqueous	Barium	6020A	66		ug/L	42
009	MW-9	Aqueous	Cadmium	6020A	0.68		ug/L	42
009	MW-9	Aqueous	Chromium	6020A	1.4	J	ug/L	42
009	MW-9	Aqueous	Cobalt	6020A	8.6		ug/L	42
009	MW-9	Aqueous	Copper	6020A	2.6		ug/L	42
009	MW-9	Aqueous	Lead	6020A	0.62	J	ug/L	42
009	MW-9	Aqueous	Nickel	6020A	2.0	J	ug/L	42
009	MW-9	Aqueous	Selenium	6020A	1.7		ug/L	42
009	MW-9	Aqueous	Vanadium	6020A	2.7	J	ug/L	42
009	MW-9	Aqueous	Zinc	6020A	12		ug/L	42
010	SW-1	Aqueous	Barium	6020A	51		ug/L	46
010	SW-1	Aqueous	Cobalt	6020A	0.79	J	ug/L	46
010	SW-1	Aqueous	Copper	6020A	0.58	J	ug/L	46
010	SW-1	Aqueous	Zinc	6020A	5.9	J	ug/L	46
011	SW-2	Aqueous	Acetone	8260B	2.4	J	ug/L	48
011	SW-2	Aqueous	Arsenic	6020A	0.28	J	ug/L	50

Executive Summary (Continued)

Lot Number: QI25093

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
011	SW-2	Aqueous	Barium	6020A	130		ug/L	50
011	SW-2	Aqueous	Cobalt	6020A	2.3	J	ug/L	50
011	SW-2	Aqueous	Copper	6020A	0.81	J	ug/L	50
011	SW-2	Aqueous	Nickel	6020A	1.0	J	ug/L	50
011	SW-2	Aqueous	Zinc	6020A	14		ug/L	50
012	TRIP BLANK	Aqueous	Chloroform	8260B	0.22	J	ug/L	52

(147 detections)

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-1**
Date Sampled: **09/24/2015 1445**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-001**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/30/2015 1551	ALL		86140

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	0.62	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.45	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.17	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.26	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	1.4	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.46	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.19	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	0.28	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.13	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.19	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.13	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**1.2**		**1.0**	**0.22**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.74	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.35	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
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: **QI25093-001**
Description: **MW-1**
Matrix: **Aqueous**
Date Sampled: **09/24/2015 1445**
Date Received: **09/25/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/30/2015 1551	ALL		86140

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
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: **09/24/2015 1445**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-001**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/30/2015 0506	CDF	09/28/2015 1208	85968
2	3005A	6020A	1	09/30/2015 2218	BNW	09/28/2015 1208	85968

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6020A	ND		1.0	0.17	ug/L	2
Arsenic	7440-38-2	6020A	ND		1.0	0.26	ug/L	2
Barium	**7440-39-3**	**6020A**	**120**		**5.0**	**0.53**	**ug/L**	**1**
Beryllium	**7440-41-7**	**6020A**	**0.37**	**J**	**0.40**	**0.12**	**ug/L**	**1**
Cadmium	**7440-43-9**	**6020A**	**0.45**		**0.10**	**0.044**	**ug/L**	**1**
Chromium	7440-47-3	6020A	ND		5.0	0.63	ug/L	1
Cobalt	**7440-48-4**	**6020A**	**2.1**	**J**	**5.0**	**0.26**	**ug/L**	**1**
Copper	**7440-50-8**	**6020A**	**1.3**		**1.0**	**0.15**	**ug/L**	**1**
Lead	**7439-92-1**	**6020A**	**1.7**		**1.0**	**0.15**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**0.72**	**J**	**5.0**	**0.63**	**ug/L**	**1**
Selenium	7782-49-2	6020A	ND		1.0	0.95	ug/L	1
Silver	7440-22-4	6020A	ND		1.0	0.17	ug/L	1
Thallium	7440-28-0	6020A	ND		0.50	0.075	ug/L	1
Vanadium	7440-62-2	6020A	ND		5.0	1.0	ug/L	1
Zinc	**7440-66-6**	**6020A**	**19**		**10**	**1.6**	**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%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Client: **Buxton Environmental**
Description: **MW-1**
Date Sampled: **09/24/2015 1445**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-001**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/29/2015 1210	COH	09/28/2015 1706	85991

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	0.00035		0.00010	0.000028	mg/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%
H = Out of holding time
N = Recovery is out of criteria
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: **MW-3**
Date Sampled: **09/24/2015 1645**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-002**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/30/2015 1613	ALL		86140

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	0.62	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.45	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.17	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.26	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	1.4	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.46	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.19	ug/L	1
1,1-Dichloroethane	**75-34-3**	**8260B**	**0.28**	**J**	**1.0**	**0.19**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.31	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**1.6**		**1.0**	**0.20**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	0.28	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.13	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.19	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.74	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.35	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
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: **MW-3**
Date Sampled: **09/24/2015 1645**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-002**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/30/2015 1613	ALL		86140

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		100	70-130

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

Client: **Buxton Environmental**
Laboratory ID: **QI25093-002**
Description: **MW-3**
Matrix: **Aqueous**
Date Sampled: **09/24/2015 1645**
Date Received: **09/25/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/30/2015 0528	CDF	09/28/2015 1208	85968
2	3005A	6020A	1	09/30/2015 2239	BNW	09/28/2015 1208	85968

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6020A	ND		1.0	0.17	ug/L	2
Arsenic	7440-38-2	6020A	ND		1.0	0.26	ug/L	2
Barium	**7440-39-3**	**6020A**	**74**		**5.0**	**0.53**	**ug/L**	**1**
Beryllium	7440-41-7	6020A	ND		0.40	0.12	ug/L	1
Cadmium	**7440-43-9**	**6020A**	**0.23**		**0.10**	**0.044**	**ug/L**	**1**
Chromium	**7440-47-3**	**6020A**	**0.80**	**J**	**5.0**	**0.63**	**ug/L**	**1**
Cobalt	7440-48-4	6020A	ND		5.0	0.26	ug/L	1
Copper	**7440-50-8**	**6020A**	**0.94**	**J**	**1.0**	**0.15**	**ug/L**	**1**
Lead	**7439-92-1**	**6020A**	**3.5**		**1.0**	**0.15**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**1.2**	**J**	**5.0**	**0.63**	**ug/L**	**1**
Selenium	7782-49-2	6020A	ND		1.0	0.95	ug/L	1
Silver	7440-22-4	6020A	ND		1.0	0.17	ug/L	1
Thallium	7440-28-0	6020A	ND		0.50	0.075	ug/L	1
Vanadium	**7440-62-2**	**6020A**	**1.5**	**J**	**5.0**	**1.0**	**ug/L**	**1**
Zinc	**7440-66-6**	**6020A**	**10**		**10**	**1.6**	**ug/L**	**1**

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

Client: **Buxton Environmental**
Description: **MW-3**
Date Sampled: **09/24/2015 1645**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-002**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/29/2015 1212	COH	09/28/2015 1706	85991

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000028	mg/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%
H = Out of holding time
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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-4**
Date Sampled: **09/24/2015 1730**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-003**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/30/2015 1636	ALL		86140
2	5030B	8260B	5	10/01/2015 1513	PAP		86282

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	0.62	ug/L	1
Benzene	**71-43-2**	**8260B**	**0.79**	**J**	**1.0**	**0.21**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.45	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.31	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**2.1**		**1.0**	**0.20**	**ug/L**	**1**
Chloroethane	**75-00-3**	**8260B**	**8.7**		**2.0**	**0.28**	**ug/L**	**1**
Chloroform	67-66-3	8260B	ND		1.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.17	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.26	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	1.4	ug/L	1
1,2-Dichlorobenzene	**95-50-1**	**8260B**	**2.3**		**1.0**	**0.46**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**13**		**1.0**	**0.19**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**80**		**1.0**	**0.19**	**ug/L**	**1**
1,2-Dichloroethane	**107-06-2**	**8260B**	**1.2**		**1.0**	**0.23**	**ug/L**	**1**
1,1-Dichloroethene	**75-35-4**	**8260B**	**0.61**	**J**	**1.0**	**0.31**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**320**		**5.0**	**1.0**	**ug/L**	**2**
trans-1,2-Dichloroethene	**156-60-5**	**8260B**	**1.7**		**1.0**	**0.33**	**ug/L**	**1**
1,2-Dichloropropane	**78-87-5**	**8260B**	**1.7**		**1.0**	**0.29**	**ug/L**	**1**
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	0.28	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.13	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.19	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.22	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**0.60**	**J**	**1.0**	**0.16**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.74	ug/L	1

PQL = Practical quantitation limit
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Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **QI25093-003**
Description: **MW-4**
Matrix: **Aqueous**
Date Sampled: **09/24/2015 1730**
Date Received: **09/25/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/30/2015 1636	ALL		86140
2	5030B	8260B	5	10/01/2015 1513	PAP		86282

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.35	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	1.0	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**17**		**1.0**	**0.50**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130		111	70-130
Bromofluorobenzene		102	70-130		104	70-130
Toluene-d8		101	70-130		101	70-130

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

Client: **Buxton Environmental**
Description: **MW-4**
Date Sampled: **09/24/2015 1730**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-003**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/30/2015 2317	BNW	09/29/2015 1612	86071
2	3005A	6020A	1	10/01/2015 1833	CDF	09/29/2015 1612	86071
3	3005A	6020A	1	10/02/2015 1856	BNW	10/01/2015 2003	86430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6020A	ND		1.0	0.17	ug/L	2
Arsenic	**7440-38-2**	**6020A**	**0.64**	**J**	**1.0**	**0.26**	**ug/L**	**1**
Barium	**7440-39-3**	**6020A**	**120**		**5.0**	**0.53**	**ug/L**	**1**
Beryllium	7440-41-7	6020A	ND		0.40	0.12	ug/L	1
Cadmium	**7440-43-9**	**6020A**	**0.52**		**0.10**	**0.044**	**ug/L**	**1**
Chromium	7440-47-3	6020A	ND		5.0	0.63	ug/L	1
Cobalt	**7440-48-4**	**6020A**	**67**		**5.0**	**0.26**	**ug/L**	**1**
Copper	**7440-50-8**	**6020A**	**1.3**		**1.0**	**0.15**	**ug/L**	**1**
Lead	**7439-92-1**	**6020A**	**0.34**	**J**	**1.0**	**0.15**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**7.2**		**5.0**	**0.63**	**ug/L**	**1**
Selenium	**7782-49-2**	**6020A**	**1.3**		**1.0**	**0.95**	**ug/L**	**1**
Silver	7440-22-4	6020A	ND		1.0	0.17	ug/L	3
Thallium	7440-28-0	6020A	ND		0.50	0.075	ug/L	1
Vanadium	**7440-62-2**	**6020A**	**1.7**	**J**	**5.0**	**1.0**	**ug/L**	**1**
Zinc	**7440-66-6**	**6020A**	**23**		**10**	**1.6**	**ug/L**	**1**

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

Client: **Buxton Environmental**
Description: **MW-4**
Date Sampled: **09/24/2015 1730**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-003**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/29/2015 1214	COH	09/28/2015 1706	85991

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000028	mg/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
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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-5**
Date Sampled: **09/24/2015 1800**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-004**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/30/2015 1659	ALL		86140

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	0.62	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.45	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.17	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.26	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	1.4	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.46	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.19	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	0.28	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.13	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.19	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.74	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.35	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%
H = Out of holding time
N = Recovery is out of criteria
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: **QI25093-004**
Description: **MW-5**
Matrix: **Aqueous**
Date Sampled: **09/24/2015 1800**
Date Received: **09/25/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/30/2015 1659	ALL		86140

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		102	70-130

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

Client: **Buxton Environmental**
Description: **MW-5**
Date Sampled: **09/24/2015 1800**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-004**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/30/2015 2339	BNW	09/29/2015 1612	86071
2	3005A	6020A	1	10/01/2015 1900	CDF	09/29/2015 1612	86071
3	3005A	6020A	5	10/02/2015 2013	BNW	10/01/2015 2003	86430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	**7440-36-0**	**6020A**	**1.2**		**1.0**	**0.17**	**ug/L**	**2**
Arsenic	**7440-38-2**	**6020A**	**5.8**		**1.0**	**0.26**	**ug/L**	**1**
Barium	**7440-39-3**	**6020A**	**170**		**5.0**	**0.53**	**ug/L**	**1**
Beryllium	**7440-41-7**	**6020A**	**0.54**		**0.40**	**0.12**	**ug/L**	**1**
Cadmium	**7440-43-9**	**6020A**	**1.5**		**0.10**	**0.044**	**ug/L**	**1**
Chromium	**7440-47-3**	**6020A**	**15**		**5.0**	**0.63**	**ug/L**	**1**
Cobalt	**7440-48-4**	**6020A**	**9.1**		**5.0**	**0.26**	**ug/L**	**1**
Copper	**7440-50-8**	**6020A**	**23**		**1.0**	**0.15**	**ug/L**	**1**
Lead	**7439-92-1**	**6020A**	**7.5**		**1.0**	**0.15**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**7.4**		**5.0**	**0.63**	**ug/L**	**1**
Selenium	**7782-49-2**	**6020A**	**13**		**1.0**	**0.95**	**ug/L**	**1**
Silver	7440-22-4	6020A	ND		5.0	0.85	ug/L	3
Thallium	7440-28-0	6020A	ND		0.50	0.075	ug/L	1
Vanadium	**7440-62-2**	**6020A**	**52**		**5.0**	**1.0**	**ug/L**	**1**
Zinc	**7440-66-6**	**6020A**	**70**		**10**	**1.6**	**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%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **Buxton Environmental**
Description: **MW-5**
Date Sampled: **09/24/2015 1800**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-004**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/29/2015 1216	COH	09/28/2015 1706	85991

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	0.000076	J	0.00010	0.000028	mg/L	1

PQL = Practical quantitation limit
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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: **MW-6**
Date Sampled: **09/24/2015 1515**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-005**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/01/2015 0123	JJG		86239

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	0.62	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.45	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.17	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.26	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	1.4	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.46	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.19	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	0.28	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.13	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.19	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.74	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.35	ug/L	1

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Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-6**
Date Sampled: **09/24/2015 1515**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-005**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/01/2015 0123	JJG		86239

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		105	70-130

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

ICP-MS

Client: **Buxton Environmental**
Description: **MW-6**
Date Sampled: **09/24/2015 1515**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-005**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/30/2015 2344	BNW	09/29/2015 1612	86071
2	3005A	6020A	1	10/01/2015 1905	CDF	09/29/2015 1612	86071
3	3005A	6020A	1	10/02/2015 1906	BNW	10/01/2015 2003	86430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	**7440-36-0**	**6020A**	**0.26**	**J**	**1.0**	**0.17**	**ug/L**	**2**
Arsenic	**7440-38-2**	**6020A**	**0.63**	**J**	**1.0**	**0.26**	**ug/L**	**1**
Barium	**7440-39-3**	**6020A**	**95**		**5.0**	**0.53**	**ug/L**	**1**
Beryllium	**7440-41-7**	**6020A**	**0.24**	**J**	**0.40**	**0.12**	**ug/L**	**1**
Cadmium	**7440-43-9**	**6020A**	**2.5**		**0.10**	**0.044**	**ug/L**	**1**
Chromium	**7440-47-3**	**6020A**	**0.83**	**J**	**5.0**	**0.63**	**ug/L**	**1**
Cobalt	**7440-48-4**	**6020A**	**5.4**		**5.0**	**0.26**	**ug/L**	**1**
Copper	**7440-50-8**	**6020A**	**1.8**		**1.0**	**0.15**	**ug/L**	**1**
Lead	**7439-92-1**	**6020A**	**1.4**		**1.0**	**0.15**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**1.1**	**J**	**5.0**	**0.63**	**ug/L**	**1**
Selenium	**7782-49-2**	**6020A**	**1.2**		**1.0**	**0.95**	**ug/L**	**1**
Silver	**7440-22-4**	**6020A**	**0.33**	**J**	**1.0**	**0.17**	**ug/L**	**3**
Thallium	7440-28-0	6020A	ND		0.50	0.075	ug/L	1
Vanadium	**7440-62-2**	**6020A**	**6.0**		**5.0**	**1.0**	**ug/L**	**1**
Zinc	**7440-66-6**	**6020A**	**17**		**10**	**1.6**	**ug/L**	**1**

PQL = Practical quantitation limit
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CVAA

Client: **Buxton Environmental**
Description: **MW-6**
Date Sampled: **09/24/2015 1515**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-005**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/29/2015 1218	COH	09/28/2015 1706	85991

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000028	mg/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%
H = Out of holding time
N = Recovery is out of criteria
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: **MW-7A**
Date Sampled: **09/24/2015 1615**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-006**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/01/2015 0146	JJG		86239

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	0.62	ug/L	1
Benzene	**71-43-2**	**8260B**	**6.1**		**1.0**	**0.21**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.45	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.31	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**0.58**	**J**	**1.0**	**0.20**	**ug/L**	**1**
Chloroethane	**75-00-3**	**8260B**	**2.8**		**2.0**	**0.28**	**ug/L**	**1**
Chloroform	67-66-3	8260B	ND		1.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.17	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.26	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	1.4	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.46	ug/L	1
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**6.2**		**1.0**	**0.19**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**27**		**1.0**	**0.19**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.31	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**88**		**1.0**	**0.20**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloropropane	**78-87-5**	**8260B**	**0.47**	**J**	**1.0**	**0.29**	**ug/L**	**1**
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	0.28	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylene chloride	**75-09-2**	**8260B**	**1.2**		**1.0**	**0.42**	**ug/L**	**1**
Styrene	100-42-5	8260B	ND		1.0	0.13	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.19	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.13	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**9.9**		**1.0**	**0.22**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.22	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**15**		**1.0**	**0.16**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.74	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.35	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%
H = Out of holding time
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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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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-7A**
Date Sampled: **09/24/2015 1615**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-006**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/01/2015 0146	JJG		86239

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.0	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**4.6**		**1.0**	**0.50**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**0.47**	**J**	**1.0**	**0.32**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
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Client: **Buxton Environmental**
Description: **MW-7A**
Date Sampled: **09/24/2015 1615**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-006**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/30/2015 2350	BNW	09/29/2015 1612	86071
2	3005A	6020A	1	10/01/2015 1911	CDF	09/29/2015 1612	86071
3	3005A	6020A	1	10/02/2015 1912	BNW	10/01/2015 2003	86430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6020A	ND		1.0	0.17	ug/L	2
Arsenic	**7440-38-2**	**6020A**	**0.57**	**J**	**1.0**	**0.26**	**ug/L**	**1**
Barium	**7440-39-3**	**6020A**	**170**		**5.0**	**0.53**	**ug/L**	**1**
Beryllium	**7440-41-7**	**6020A**	**0.22**	**J**	**0.40**	**0.12**	**ug/L**	**1**
Cadmium	**7440-43-9**	**6020A**	**1.6**		**0.10**	**0.044**	**ug/L**	**1**
Chromium	7440-47-3	6020A	ND		5.0	0.63	ug/L	1
Cobalt	**7440-48-4**	**6020A**	**2.5**	**J**	**5.0**	**0.26**	**ug/L**	**1**
Copper	**7440-50-8**	**6020A**	**2.3**		**1.0**	**0.15**	**ug/L**	**1**
Lead	**7439-92-1**	**6020A**	**0.86**	**J**	**1.0**	**0.15**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**2.1**	**J**	**5.0**	**0.63**	**ug/L**	**1**
Selenium	**7782-49-2**	**6020A**	**1.7**		**1.0**	**0.95**	**ug/L**	**1**
Silver	**7440-22-4**	**6020A**	**0.25**	**J**	**1.0**	**0.17**	**ug/L**	**3**
Thallium	**7440-28-0**	**6020A**	**0.24**	**J**	**0.50**	**0.075**	**ug/L**	**1**
Vanadium	**7440-62-2**	**6020A**	**2.3**	**J**	**5.0**	**1.0**	**ug/L**	**1**
Zinc	**7440-66-6**	**6020A**	**28**		**10**	**1.6**	**ug/L**	**1**

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

Client: **Buxton Environmental**
Description: **MW-7A**
Date Sampled: **09/24/2015 1615**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-006**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/29/2015 1219	COH	09/28/2015 1706	85991

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	**7439-97-6**	**7470A**	**0.000098**	**J**	**0.00010**	**0.000028**	**mg/L**	**1**

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-7B**
Date Sampled: **09/24/2015 1600**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-007**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/01/2015 0208	JJG		86239

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**21**		**20**	**1.6**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	0.62	ug/L	1
Benzene	**71-43-2**	**8260B**	**6.1**		**1.0**	**0.21**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.45	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.23	ug/L	1
Bromoform	**75-25-2**	**8260B**	**17**		**1.0**	**0.35**	**ug/L**	**1**
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.31	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**0.56**	**J**	**1.0**	**0.20**	**ug/L**	**1**
Chloroethane	**75-00-3**	**8260B**	**2.8**		**2.0**	**0.28**	**ug/L**	**1**
Chloroform	67-66-3	8260B	ND		1.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.17	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.26	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	1.4	ug/L	1
1,2-Dichlorobenzene	**95-50-1**	**8260B**	**7.1**		**1.0**	**0.46**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**6.6**		**1.0**	**0.19**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**27**		**1.0**	**0.19**	**ug/L**	**1**
1,2-Dichloroethane	**107-06-2**	**8260B**	**4.0**		**1.0**	**0.23**	**ug/L**	**1**
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.31	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**92**		**1.0**	**0.20**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	0.28	ug/L	1
4-Methyl-2-pentanone	**108-10-1**	**8260B**	**0.69**	**J**	**10**	**0.29**	**ug/L**	**1**
Methylene chloride	**75-09-2**	**8260B**	**0.61**	**J**	**1.0**	**0.42**	**ug/L**	**1**
Styrene	**100-42-5**	**8260B**	**0.14**	**J**	**1.0**	**0.13**	**ug/L**	**1**
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.19	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.13	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**6.7**		**1.0**	**0.22**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.22	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**17**		**1.0**	**0.16**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.74	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.35	ug/L	1

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-7B**
Date Sampled: **09/24/2015 1600**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-007**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/01/2015 0208	JJG		86239

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.0	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**5.3**		**1.0**	**0.50**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		103	70-130

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Client: **Buxton Environmental**
Description: **MW-7B**
Date Sampled: **09/24/2015 1600**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-007**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/30/2015 2355	BNW	09/29/2015 1612	86071
2	3005A	6020A	1	10/01/2015 1927	CDF	09/29/2015 1612	86071
3	3005A	6020A	1	10/02/2015 1947	BNW	10/01/2015 2003	86430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6020A	ND		1.0	0.17	ug/L	2
Arsenic	7440-38-2	6020A	ND		1.0	0.26	ug/L	1
Barium	**7440-39-3**	**6020A**	**130**		**5.0**	**0.53**	**ug/L**	**1**
Beryllium	7440-41-7	6020A	ND		0.40	0.12	ug/L	1
Cadmium	**7440-43-9**	**6020A**	**0.81**		**0.10**	**0.044**	**ug/L**	**1**
Chromium	7440-47-3	6020A	ND		5.0	0.63	ug/L	1
Cobalt	**7440-48-4**	**6020A**	**0.47**	**J**	**5.0**	**0.26**	**ug/L**	**1**
Copper	**7440-50-8**	**6020A**	**1.3**		**1.0**	**0.15**	**ug/L**	**1**
Lead	**7439-92-1**	**6020A**	**0.43**	**J**	**1.0**	**0.15**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**1.2**	**J**	**5.0**	**0.63**	**ug/L**	**1**
Selenium	7782-49-2	6020A	ND		1.0	0.95	ug/L	1
Silver	7440-22-4	6020A	ND		1.0	0.17	ug/L	3
Thallium	7440-28-0	6020A	ND		0.50	0.075	ug/L	1
Vanadium	7440-62-2	6020A	ND		5.0	1.0	ug/L	1
Zinc	**7440-66-6**	**6020A**	**22**		**10**	**1.6**	**ug/L**	**1**

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

Client: **Buxton Environmental**
Description: **MW-7B**
Date Sampled: **09/24/2015 1600**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-007**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/29/2015 1221	COH	09/28/2015 1706	85991

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000028	mg/L	1

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **QI25093-008**
Description: **MW-8A**
Matrix: **Aqueous**
Date Sampled: **09/24/2015 1430**
Date Received: **09/25/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/01/2015 0231	JJG		86239

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	0.62	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.45	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.17	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.26	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	1.4	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.46	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.19	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	0.28	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.13	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.19	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.74	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.35	ug/L	1

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-8A**
Date Sampled: **09/24/2015 1430**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/01/2015 0231	JJG		86239

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		100	70-130

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

ICP-MS

Client: **Buxton Environmental**
Description: **MW-8A**
Date Sampled: **09/24/2015 1430**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	10/01/2015 0011	BNW	09/29/2015 1612	86071
2	3005A	6020A	1	10/01/2015 1932	CDF	09/29/2015 1612	86071
3	3005A	6020A	1	10/02/2015 1952	BNW	10/01/2015 2003	86430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6020A	ND		1.0	0.17	ug/L	2
Arsenic	7440-38-2	6020A	ND		1.0	0.26	ug/L	1
Barium	**7440-39-3**	**6020A**	**14**		**5.0**	**0.53**	**ug/L**	**1**
Beryllium	7440-41-7	6020A	ND		0.40	0.12	ug/L	1
Cadmium	**7440-43-9**	**6020A**	**0.27**		**0.10**	**0.044**	**ug/L**	**1**
Chromium	7440-47-3	6020A	ND		5.0	0.63	ug/L	1
Cobalt	7440-48-4	6020A	ND		5.0	0.26	ug/L	1
Copper	**7440-50-8**	**6020A**	**0.49**	**J**	**1.0**	**0.15**	**ug/L**	**1**
Lead	7439-92-1	6020A	ND		1.0	0.15	ug/L	1
Nickel	7440-02-0	6020A	ND		5.0	0.63	ug/L	1
Selenium	7782-49-2	6020A	ND		1.0	0.95	ug/L	1
Silver	7440-22-4	6020A	ND		1.0	0.17	ug/L	3
Thallium	7440-28-0	6020A	ND		0.50	0.075	ug/L	1
Vanadium	7440-62-2	6020A	ND		5.0	1.0	ug/L	1
Zinc	**7440-66-6**	**6020A**	**6.9**	**J**	**10**	**1.6**	**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%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **Buxton Environmental**
Description: **MW-8A**
Date Sampled: **09/24/2015 1430**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/29/2015 1223	COH	09/28/2015 1706	85991

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000028	mg/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%
H = Out of holding time
N = Recovery is out of criteria
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: **MW-9**
Date Sampled: **09/24/2015 1500**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-009**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/01/2015 0254	JJG		86239

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	0.62	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.45	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.17	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.26	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	1.4	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.46	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.19	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	0.28	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.13	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.19	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.74	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.35	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%
H = Out of holding time
N = Recovery is out of criteria
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: **MW-9**
Date Sampled: **09/24/2015 1500**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-009**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/01/2015 0254	JJG		86239

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
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Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

ICP-MS

Client: **Buxton Environmental**
Laboratory ID: **QI25093-009**
Description: **MW-9**
Matrix: **Aqueous**
Date Sampled: **09/24/2015 1500**
Date Received: **09/25/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	10/01/2015 0017	BNW	09/29/2015 1612	86071
2	3005A	6020A	1	10/01/2015 1938	CDF	09/29/2015 1612	86071
3	3005A	6020A	1	10/02/2015 1958	BNW	10/01/2015 2003	86430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6020A	ND		1.0	0.17	ug/L	2
Arsenic	**7440-38-2**	**6020A**	**0.52**	**J**	**1.0**	**0.26**	**ug/L**	**1**
Barium	**7440-39-3**	**6020A**	**66**		**5.0**	**0.53**	**ug/L**	**1**
Beryllium	7440-41-7	6020A	ND		0.40	0.12	ug/L	1
Cadmium	**7440-43-9**	**6020A**	**0.68**		**0.10**	**0.044**	**ug/L**	**1**
Chromium	**7440-47-3**	**6020A**	**1.4**	**J**	**5.0**	**0.63**	**ug/L**	**1**
Cobalt	**7440-48-4**	**6020A**	**8.6**		**5.0**	**0.26**	**ug/L**	**1**
Copper	**7440-50-8**	**6020A**	**2.6**		**1.0**	**0.15**	**ug/L**	**1**
Lead	**7439-92-1**	**6020A**	**0.62**	**J**	**1.0**	**0.15**	**ug/L**	**1**
Nickel	**7440-02-0**	**6020A**	**2.0**	**J**	**5.0**	**0.63**	**ug/L**	**1**
Selenium	**7782-49-2**	**6020A**	**1.7**		**1.0**	**0.95**	**ug/L**	**1**
Silver	7440-22-4	6020A	ND		1.0	0.17	ug/L	3
Thallium	7440-28-0	6020A	ND		0.50	0.075	ug/L	1
Vanadium	**7440-62-2**	**6020A**	**2.7**	**J**	**5.0**	**1.0**	**ug/L**	**1**
Zinc	**7440-66-6**	**6020A**	**12**		**10**	**1.6**	**ug/L**	**1**

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

Client: **Buxton Environmental**
Description: **MW-9**
Date Sampled: **09/24/2015 1500**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-009**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/29/2015 1225	COH	09/28/2015 1706	85991

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000028	mg/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%
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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: **SW-1**
Date Sampled: **09/24/2015 1530**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-010**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/01/2015 0317	JJG		86239

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	0.62	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.45	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.17	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.26	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	1.4	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.46	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.19	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	0.28	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.13	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.19	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.74	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.35	ug/L	1

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

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **QI25093-010**
Description: **SW-1**
Matrix: **Aqueous**
Date Sampled: **09/24/2015 1530**
Date Received: **09/25/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/01/2015 0317	JJG		86239

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		98	70-130

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

ICP-MS

Client: **Buxton Environmental**
Laboratory ID: **QI25093-010**
Description: **SW-1**
Matrix: **Aqueous**
Date Sampled: **09/24/2015 1530**
Date Received: **09/25/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	10/01/2015 0022	BNW	09/29/2015 1612	86071
2	3005A	6020A	1	10/01/2015 1943	CDF	09/29/2015 1612	86071
3	3005A	6020A	1	10/02/2015 2003	BNW	10/01/2015 2003	86430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6020A	ND		1.0	0.17	ug/L	2
Arsenic	7440-38-2	6020A	ND		1.0	0.26	ug/L	1
Barium	**7440-39-3**	**6020A**	**51**		**5.0**	**0.53**	**ug/L**	**1**
Beryllium	7440-41-7	6020A	ND		0.40	0.12	ug/L	1
Cadmium	7440-43-9	6020A	ND		0.10	0.044	ug/L	1
Chromium	7440-47-3	6020A	ND		5.0	0.63	ug/L	1
Cobalt	**7440-48-4**	**6020A**	**0.79**	**J**	**5.0**	**0.26**	**ug/L**	**1**
Copper	**7440-50-8**	**6020A**	**0.58**	**J**	**1.0**	**0.15**	**ug/L**	**1**
Lead	7439-92-1	6020A	ND		1.0	0.15	ug/L	1
Nickel	7440-02-0	6020A	ND		5.0	0.63	ug/L	1
Selenium	7782-49-2	6020A	ND		1.0	0.95	ug/L	1
Silver	7440-22-4	6020A	ND		1.0	0.17	ug/L	3
Thallium	7440-28-0	6020A	ND		0.50	0.075	ug/L	1
Vanadium	7440-62-2	6020A	ND		5.0	1.0	ug/L	1
Zinc	**7440-66-6**	**6020A**	**5.9**	**J**	**10**	**1.6**	**ug/L**	**1**

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

Client: **Buxton Environmental**
Description: **SW-1**
Date Sampled: **09/24/2015 1530**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-010**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/29/2015 1227	COH	09/28/2015 1706	85991

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000028	mg/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%
H = Out of holding time
N = Recovery is out of criteria
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: **SW-2**
Date Sampled: **09/24/2015 1700**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-011**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/01/2015 0340	JJG		86239

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**2.4**	**J**	**20**	**1.6**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	0.62	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.45	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.17	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.26	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	1.4	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.46	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.19	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	0.28	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.13	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.19	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.74	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.35	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%
H = Out of holding time
N = Recovery is out of criteria
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: **SW-2**
Date Sampled: **09/24/2015 1700**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-011**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/01/2015 0340	JJG		86239

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		104	70-130

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

Client: **Buxton Environmental**
Description: **SW-2**
Date Sampled: **09/24/2015 1700**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-011**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	10/01/2015 0027	BNW	09/29/2015 1612	86071
2	3005A	6020A	1	10/01/2015 1948	CDF	09/29/2015 1612	86071
3	3005A	6020A	1	10/02/2015 2008	BNW	10/01/2015 2003	86430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6020A	ND		1.0	0.17	ug/L	2
Arsenic	**7440-38-2**	**6020A**	**0.28**	**J**	**1.0**	**0.26**	**ug/L**	**1**
Barium	**7440-39-3**	**6020A**	**130**		**5.0**	**0.53**	**ug/L**	**1**
Beryllium	7440-41-7	6020A	ND		0.40	0.12	ug/L	1
Cadmium	7440-43-9	6020A	ND		0.10	0.044	ug/L	1
Chromium	7440-47-3	6020A	ND		5.0	0.63	ug/L	1
Cobalt	**7440-48-4**	**6020A**	**2.3**	**J**	**5.0**	**0.26**	**ug/L**	**1**
Copper	**7440-50-8**	**6020A**	**0.81**	**J**	**1.0**	**0.15**	**ug/L**	**1**
Lead	7439-92-1	6020A	ND		1.0	0.15	ug/L	1
Nickel	**7440-02-0**	**6020A**	**1.0**	**J**	**5.0**	**0.63**	**ug/L**	**1**
Selenium	7782-49-2	6020A	ND		1.0	0.95	ug/L	1
Silver	7440-22-4	6020A	ND		1.0	0.17	ug/L	3
Thallium	7440-28-0	6020A	ND		0.50	0.075	ug/L	1
Vanadium	7440-62-2	6020A	ND		5.0	1.0	ug/L	1
Zinc	**7440-66-6**	**6020A**	**14**		**10**	**1.6**	**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%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: **Buxton Environmental**
Description: **SW-2**
Date Sampled: **09/24/2015 1700**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-011**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/29/2015 1233	COH	09/28/2015 1706	85991

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	0.000028	mg/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%
H = Out of holding time
N = Recovery is out of criteria
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: **09/24/2015**
Date Received: **09/25/2015**

Laboratory ID: **QI25093-012**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/01/2015 1125	PAP		86282

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	0.62	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.21	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.45	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.28	ug/L	1
Chloroform	**67-66-3**	**8260B**	**0.22**	**J**	**1.0**	**0.21**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.17	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.26	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	1.4	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.46	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.19	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	0.28	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.13	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.19	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.24	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.74	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.35	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
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: **QI25093-012**
Description: **TRIP BLANK**
Matrix: **Aqueous**
Date Sampled: **09/24/2015**
Date Received: **09/25/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/01/2015 1125	PAP		86282

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Chain of Custody
and
Miscellaneous Documents

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 53065

Client: Buxton Environmental, Inc.
Report to Contact: Ross Klingman
Telephone No. / E-mail: 704-344-1458
Quote No.:
Address: 1101 South Blvd Ste 101
Sampler's Signature:
Analysis (Attach list if more space is needed):
Page 1 of 1
City: Charlotte
State: NC
Zip Code: 28203
Printed Name:
Project Name: Alamance Co - Swepsonville Landfill
Project No.: NC
P.O. No.:
QI25093

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	Grab/Composite	Matrix: Aqueous	Solid	Non-Aqueous	No of Containers by Preservative Type: Cl2/Thio	HNO3	HCl	NaOH	H2SO4	NaOH		App I VOCs	App II metals w/ Hg							Remarks / Locator (i.e.
MW-1	9-24-15	14:45	G		✓									X	X							
MW-3	"	16:45	G		✓									X	X							
MW-4	"	17:30	G		✓									X	X							
MW-5	"	18:00	G		✓									X	X							
MW-6	"	15:15	G		✓									X	X							
MW-7A	"	16:15	G		✓									X	X							
MW-7B	"	16:00	G		✓									X	X							
MW-8A	"	14:30	G		✓									X	X							
MW-9	"	15:00	G		✓									X	X							
SW-1	"	15:30	G		✓									X	X							
SW-2	"	17:00	G		✓									X	X							
TRIP BLANK	—	—	G		✓									X								

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☒ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

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

QC Requirements (Specify): PER NC SOLID WASTE RULES

	Date	Time		Date	Time
1. Relinquished by	9-25-15	10:45	1. Received by: Secure Area	9/25/15	1045
2. Relinquished by: Secure Area	9/25/15	1235	2. Received by	9/25/15	1235
3. Relinquished by	9/25/15	1535	3. Received by		
4. Relinquished by			4. Laboratory received by	9/25/15	1535

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

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack Receipt Temp 4.0 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-193 Effective Date: 09-01-2014

Shealy Environmental Services, Inc
Document Number: MB0018C-01

Page 1 of 1
Replaces Date: 09/23/15
Effective Date: 04/30/15

Sample Receipt Checklist (SRC)

Client: Buxton Environmental Cooler Inspected by/date: TGJ / 9/25/15 Lot #: QI25093

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?

pH strip ID: 15-1048 Cl strip ID: NA
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt:
11.0 / 11.0 °C / / °C / / °C / / °C
Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 6 IR Gun Correction Factor: 0 °C
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

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 on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☑	No ☐	NA ☐	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?

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, HNO3, HCl, NaOH) using SR # _____.

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L (If #21 is No)

SC Drinking Water Project Sample(s) pH verified to be ≥2 by _____ Date: _____

Sample(s) _____ were not received at a pH of <2 and were adjusted accordingly using SR# _____

Sample labels applied by: TGJ Verified by: _____ Date: 9/25/15

Comments: