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).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

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

Buxton Environmental, Inc.

RECEIVED MAY 11 2009 SOLID WASTE SECTION

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)
Gaston Co.- Closed Biggerstaff Landfill	Abel Road Biggerstaff, North Carolina		.0500	11/25/08

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

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

Signature 5-7-09 Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 1266 GEOLOGIST CHARLES ROSS KLINGMAN

Revised 01/2007

SECOND SEMI-ANNUAL 2008
GROUNDWATER AND SURFACE WATER MONITORING EVENT
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA

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SECOND SEMI-ANNUAL 2008
GROUNDWATER AND SURFACE WATER MONITORING EVENT
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA

1.0 INTRODUCTION

Buxton Environmental, Inc. respectfully submits the methods and results of the second semi-annual 2008 groundwater and surface water monitoring activities conducted at the Gaston County Closed Biggerstaff Landfill located in Gaston County, North Carolina. The purpose for conducting the assessment was to monitor groundwater, surface water and hydrogeologic conditions at the subject site. A site location map and site layout map are provided in Figures 1 and 2, respectively.

The monitoring activities were conducted in general accordance with the North Carolina Department of Environment and Natural Resources, Division of Waste Management-Solid Waste Section (NCDWM) rules, NCDWM memorandums dated October 27, 2006, February 23, 2007 and October 16, 2007 concerning changes to laboratory detection limits and reporting requirements, and the NCDWM guidelines dated April 2008 for groundwater and surface water sampling. A summary of background information, and the methods, results, conclusions and recommendations of this investigation are outlined below.

2.0 BACKGROUND INFORMATION

Based on review of aerial photographs and discussions with Gaston County personnel, the subject facility was opened prior to 1968 and remained in operation until it closed in approximately 1986. The subject property consists of approximately 60 acres and currently contains a landing strip used by a local model airplane club.

To comply with NCDWM guidelines, semi-annual groundwater monitoring was initiated in April 1997 at five shallow monitor wells MW-1 through MW-5. The groundwater samples were analyzed for Appendix I volatile organic compounds (VOC's) and RCRA metals. Groundwater samples collected during these activities indicated several VOC's and metals above the North Carolina Groundwater Protection Standards (NCGPS's).

Due to the presence of target constituents above the NCGPS's, the NCDWM requested that additional assessment be conducted to determine the extent of affected groundwater and the existence of surrounding water supply wells. According to a March 22, 2001 *Site Assessment Activities for Biggerstaff Closed Landfill* report prepared by Resolve Environmental Services, P.A., two deep monitor wells MW-2D and MW-4D were installed adjacent to monitor wells MW-2 and MW-4, respectively. Groundwater samples collected at MW-2D indicated the presence of 61 micrograms per liter (ug/l) cadmium and 150 ug/l lead, and MW-4D indicated the presence of 9 ug/l cadmium and 22 ug/l lead, which were above the NCGPS's. During the assessment, a total of 15 water supply wells were identified within a 0.5 mile radius of the former landfill. According to the report, these water supply wells were either located upgradient or across shallow groundwater divides.

3.0 GROUNDWATER AND SURFACE WATER MONITORING ACTIVITIES

On November 26, 2008, Buxton Environmental, Inc. conducted the second semi-annual 2008 groundwater monitoring event at the subject site. Groundwater monitoring activities were conducted at five shallow monitor wells MW-1, MW-2, MW-3, MW-4 and MW-5, and two deep monitor wells MW-2D and MW-4D. Two surface water samples Upstream and Downstream were collected along the tributary creek located downgradient and to the south of the landfill area.

Prior to conducting the sampling activities, groundwater levels were obtained from each 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 with a disposable Teflon bailer attached to new nylon rope. Purge water was poured on the ground surface at respective well heads. Field parameters including pH, conductivity and temperature were collected following purging at each well and at each surface water sample location. Groundwater gauging and field parameter data are provided in Tables 1 and 2, respectively.

The groundwater and surface water samples were analyzed for Appendix I VOC's by EPA Method 8260B, and 8 RCRA metals by EPA Methods 6010B and 7470A. Due to limited water conditions, RCRA metal were not analyzed at monitor well MW-5. For quality control purposes, one trip blank was analyzed for Appendix I VOC's. The trip blank was prepared by the laboratory. The laboratory analyses were conducted by Shealy Environmental Services, Inc. in West Columbia, South Carolina. The water samples were collected in general accordance with accepted protocol, including chain-of-custody documentation.

Monitor well MW-4 needs a replacement lock. The remaining monitor wells were locked and appeared to be in good condition during the sampling event.

4.0 GROUNDWATER FLOW DIRECTION

Based on groundwater levels obtained on November 26, 2008, shallow groundwater flows southeast towards tributary creeks located on the eastern and southern sides of the property. A shallow groundwater flow direction map is provided in Figure 3.

A horizontal hydraulic gradient of 0.03 feet per feet (ft/ft) was observed between shallow monitor wells MW-1 and MW-3. An upward vertical gradient of 0.09 ft/ft was observed at nested monitor wells MW-2 and MW-2D, and a slight upward vertical gradient of 0.004 ft/ft was observed at nested monitor wells MW-4 and MW-4D. Upward vertical gradients are generally associated with groundwater discharge zones.

5.0 GROUNDWATER AND SURFACE WATER ANALYTICAL RESULTS

The groundwater and surface water analytical results for the first second-annual 2008 event are presented in Tables 3 and 4, respectively, and are illustrated in Figure 4. Laboratory data sheets are presented in Appendix A. Historical groundwater analytical results are presented in Appendix B.

Groundwater samples collected at monitor wells MW-1, MW-2, MW-4, MW-4D and MW-5 indicated the presence of target constituents above the NCGPS's, which are summarized below. Groundwater sample MW-1 indicated the presence of 2.3 ug/l benzene, 3.1 ug/l 1,4-dichlorobenzene, 5.2 ug/l methylene chloride and 1 ug/l tetrachloroethene. Groundwater sample MW-2 indicated the presence of 5.4 ug/l benzene, 3.7 ug/l 1,4-dichlorobenzene, 150 ug/l cis-1,2-dichloroethene, 13 ug/l methylene chloride, 3.4 ug/l tetrachloroethene, 4.5 ug/l trichloroethene and 5.1 ug/l vinyl chloride. Groundwater sample MW-4 indicated the presence of 5.4 ug/l benzene, 12 ug/l 1,4-dichlorobenzene, 1.2 ug/l 1,2-dichloropropane and 7.3 ug/l vinyl chloride. Groundwater sample MW-4D indicated the presence of 1.8 ug/l benzene, 11 ug/l 1,4-dichlorobenzene, 0.82J ug/l 1,2-dichloropropane (J=estimated result (<Solid Waste Section Limit (SWSL) or Practical Quantitation Limit (PQL) and >=Method Detection Limit (MDL)), 4.9 ug/l vinyl chloride and 47 ug/l cadmium. Groundwater sample MW-5 indicated 2.3 ug/l benzene, 6.3 ug/l 1,4-dichlorobenzene and 0.17J ug/l vinyl chloride. The remaining groundwater samples did not indicate target constituents above the NCGPS's.

The surface water samples, Upstream and Downstream, did not indicate target constituents above the NCGQS.

The trip blank did not indicate the presence of VOC's above method detection limits.

6.0 CONCLUSIONS

On November 26, 2008, Buxton Environmental, Inc. conducted the second semi-annual 2008 groundwater monitoring activities at the Closed Biggerstaff Landfill located in Gaston County, North Carolina. A summary of the findings of this investigation is provided below.

- Shallow groundwater flow at the site is to the southeast.
- Groundwater samples collected at MW-1, MW-2, MW-4, MW-4D and MW-5 indicated target constituents above the NCGPS's
- Surface water samples collected during the assessment did not indicate target constituents above the NCGPS's.

7.0 RECOMMENDATIONS

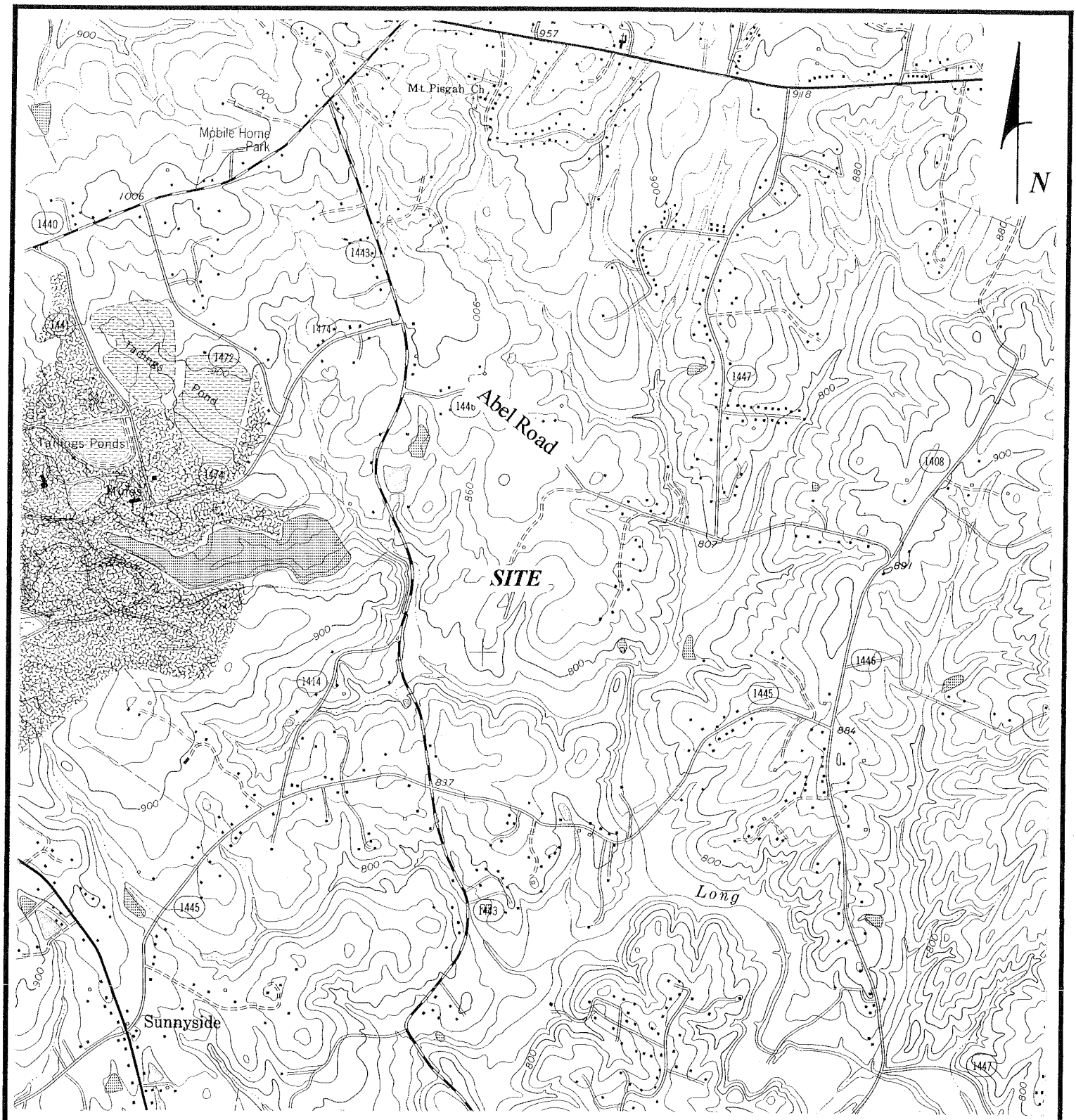
Based on the findings of this assessment, Buxton Environmental, Inc. makes the following recommendations.

- Semi-annual groundwater monitoring should continue to be conducted at the Closed Biggerstaff Landfill. The next sampling event is anticipated to be conducted in May 2009.

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

rk:reports:biggerstaffrpt..1108

FIGURES

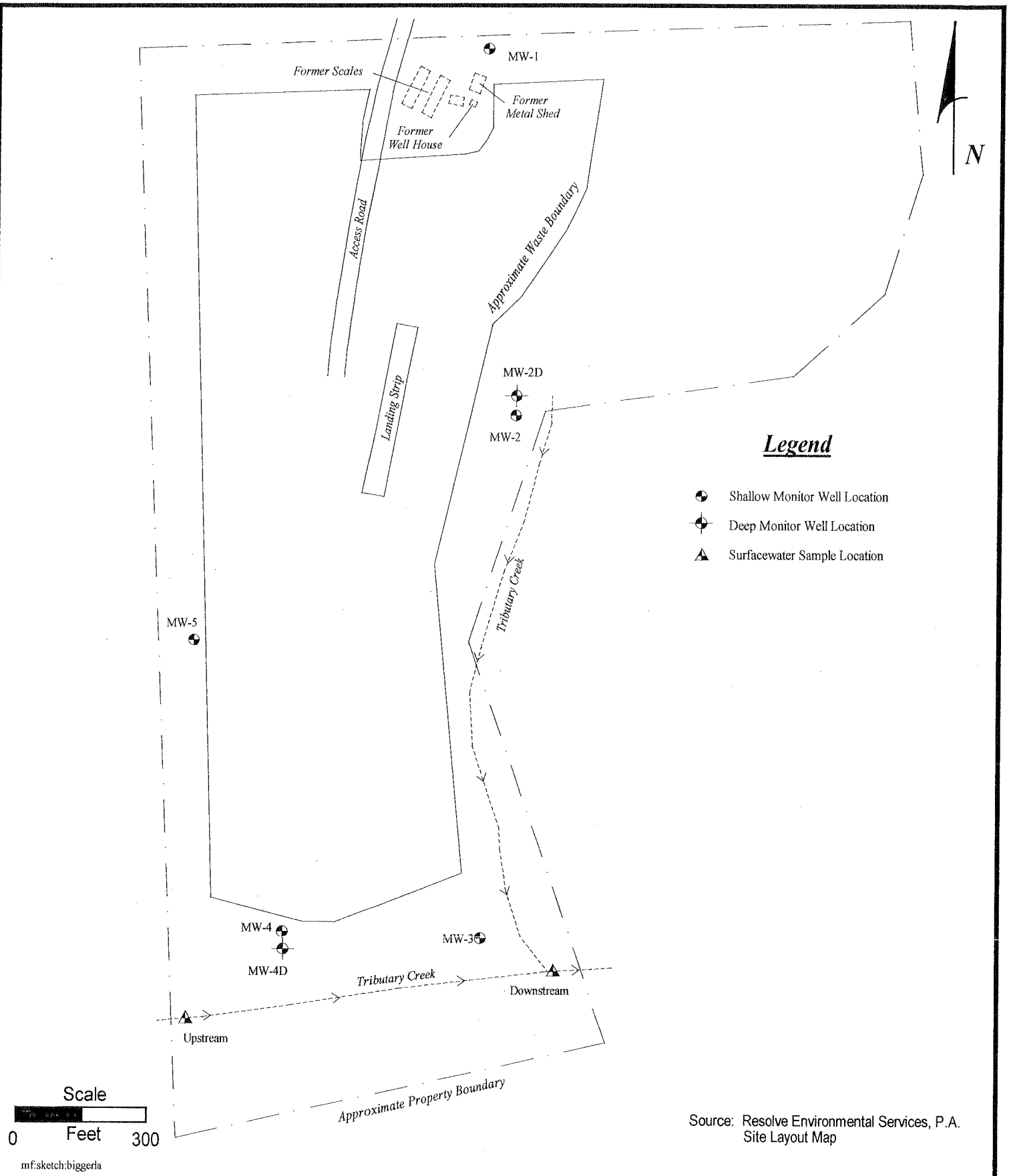


Scale

0 Feet 2,000

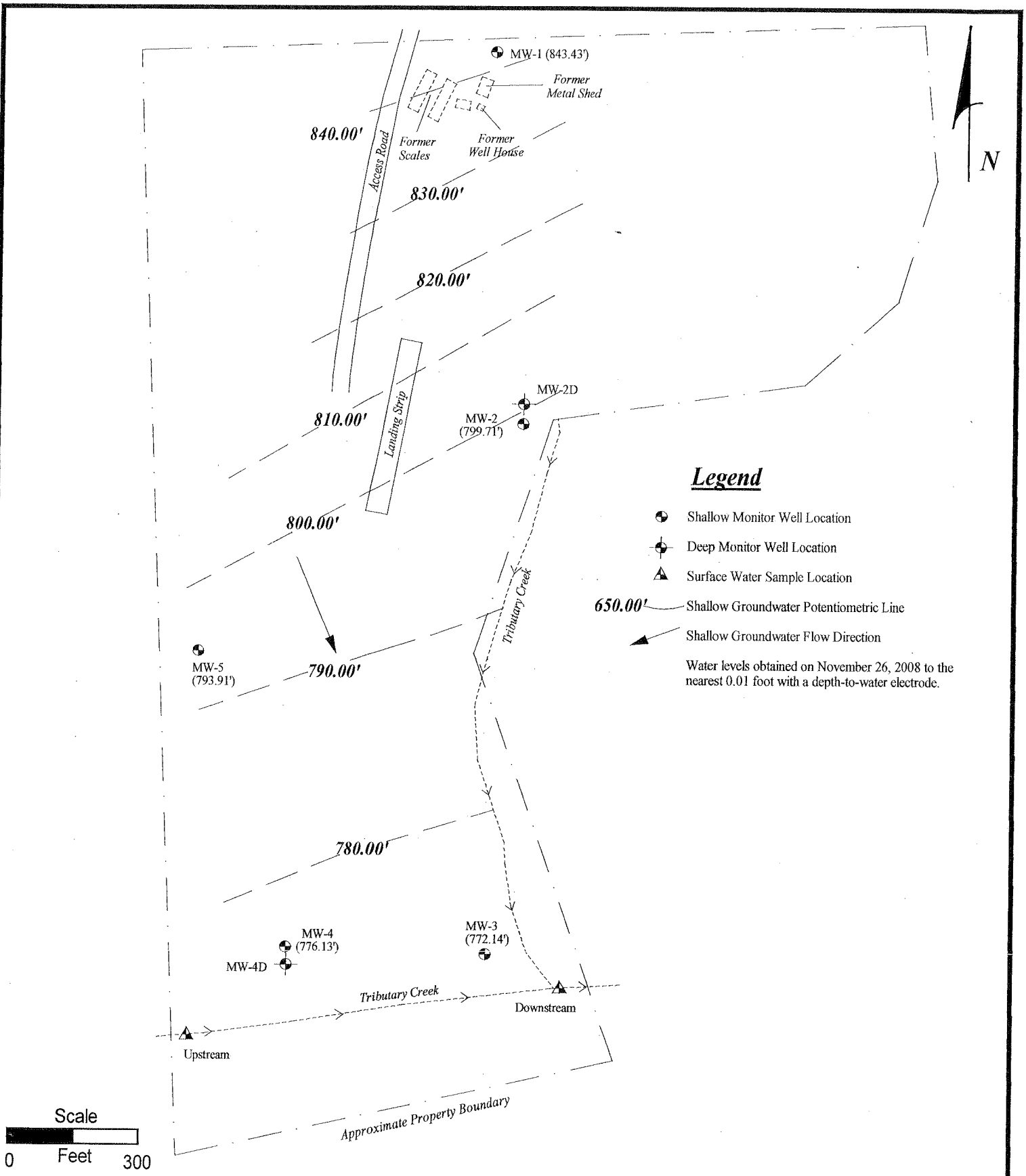
Source: United States Geological Survey, 1993 Bessemer City, North Carolina Quadrangle

Gaston County Closed Biggerstaff Landfill Gaston County, North Carolina	Buxton Environmental, Inc.	Figure 1. Site Location Map

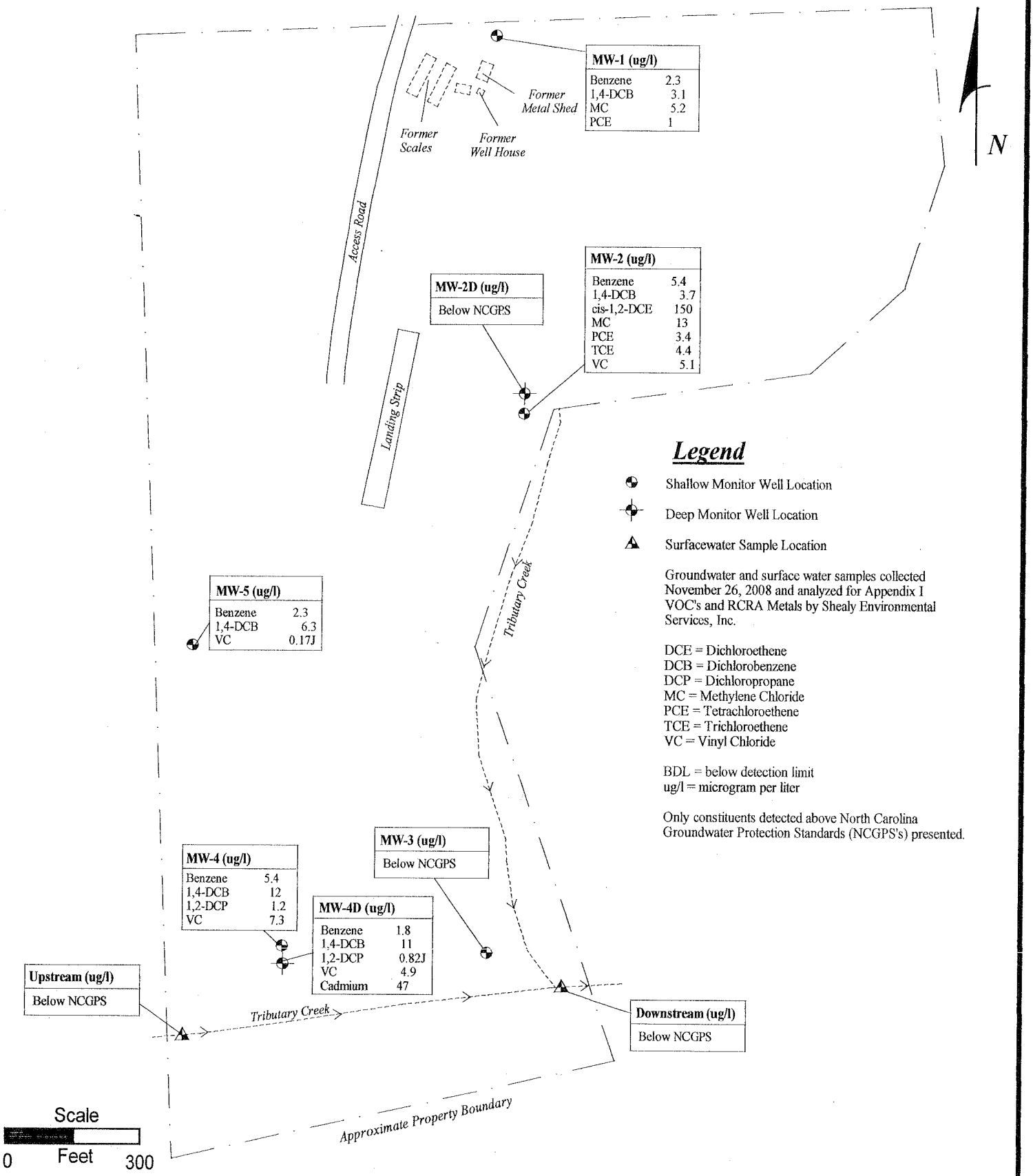


Source: Resolve Environmental Services, P.A. Site Layout Map

Gaston County Closed Biggerstaff Landfill Gaston County, North Carolina	Buxton Environmental, Inc.	Figure 2. Site Layout Map



Gaston County Closed Biggerstaff Landfill Gaston County, North Carolina	Buxton Environmental, Inc.	Figure 3. Shallow Groundwater Flow Second Semi-Annual 2008



Gaston County Closed Biggerstaff Landfill Gaston County, North Carolina	Buxton Environmental, Inc.	Figure 4. Groundwater Analytical Results Second Semi-Annual 2008

TABLES

TABLE 1
GROUNDWATER GAUGING DATA
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 26, 2008

Well ID	*TD BTOC (ft)*	*TOC Elevation (ft)*	*DTW BTOC (ft)*	*DTW Elevation (ft)*
MW-1	33.20	872.88	31.10	841.78
MW-2	18.00	811.01	11.70	799.31
MW-2D	45.00	812.48	10.85	801.63
MW-3	18.10	781.76	9.25	772.51
MW-4	18.50	786.22	9.84	776.38
MW-4D	45.00	784.55	8.16	776.39
MW-5	33.20	825.72	33.10	792.62

Notes:
Depth to water measurements collected on November 26, 2008.
with a depth to water electrode.
TD=total depth;BTOC=below top of casing;TOC=top of casing;DTW=depth to water;ft=feet
TOC elevations at MW-1, MW-2, MW-3, MW-4 and MW-5 are relative to mean sea level
and were surveyed by Robinson & Sawyer, Inc. on August 5, 1993.

TABLE 2
FIELD PARAMETER DATA
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 26, 2008

Well ID	*Field Parameters*		
	pH (standard units)	*K (uS)*	*T (fahrenheit)*
MW-1	7.3	70	64
MW-2	6.4	60	62
MW-2D	7.5	110	60
MW-3	6.5	130	65
MW-4	6.5	740	68
MW-4D	6.6	760	65
MW-5	--	--	--
Upstream	7.4	130	48
Downstream	7.0	120	48

Notes:
Field parameters collected on November 26, 2008
SU = standard units
uS = mho's per second
K = conductivity; T = temperature
"--" = no data, limited water

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 26, 2008

Sample ID	*MW-1*	*MW-2*	*MW-2D*	*MW-3*	*MW-4*	*MW-4D*	*MW-5*	*NCGPS*
Appendix I VOC's								
Acetone	BDL	BDL	BDL	BDL	7.3J	BDL	110	700
Benzene	**2.3**	**5.4**	BDL	BDL	**5.4**	**1.8**	**2.3**	1
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	0.4J	700
Chlorobenzene	0.69J	0.37J	BDL	BDL	7.4	8.8	15	50
Chloroethane	0.57J	0.56J	BDL	BDL	1.4J	0.62J	BDL	2,800
1,2-Dichlorobenzene	0.42J	BDL	BDL	BDL	2.4	3.7	1.2	24
1,4-Dichlorobenzene	**3.1**	**3.7**	BDL	BDL	**12**	**11**	**6.3**	1.4
1,1-Dichloroethane	0.96J	6.4	BDL	BDL	6.4	3.5	0.15J	70
cis-1,2-Dichloroethene	5.6	**150**	0.21J	BDL	8.6	13	1.8	70
trans-1,2-Dichloroethene	BDL	0.45J	BDL	BDL	0.26J	BDL	BDL	100
1,2-Dichloropropane	BDL	BDL	BDL	BDL	**1.2**	**0.82J**	BDL	0.51
Methylene Chloride	**5.2**	**13**	BDL	BDL	BDL	BDL	BDL	4.6
Tetrachloroethene	**1**	**3.4**	0.15J	BDL	BDL	BDL	BDL	0.7
Toluene	BDL	BDL	BDL	0.82J	0.65J	BDL	0.8J	1,000
Trichloroethene	0.96J	**4.4**	BDL	BDL	1.5	1.1	BDL	2.8
Vinyl Chloride	BDL	**5.1**	BDL	BDL	**7.3**	**4.9**	**0.17J**	0.015
Xylenes	10	5.6	BDL	BDL	BDL	BDL	BDL	530
RCRA Metals								
Arsenic	BDL	BDL	BDL	4J	17	4.9J	NT	50
Barium	24	100	20J	40	57	120	NT	2,000
Cadmium	BDL	BDL	0.64J	BDL	1.2J	**47**	NT	1.75
Chromium	2.2J	BDL	BDL	BDL	BDL	BDL	NT	50
Lead	3.9	2.8J	5.1	6.4	7.8	4.7	NT	15
Mercury	0.059J	BDL	BDL	BDL	BDL	BDL	NT	1.05
Selenium	3.9J	3J	BDL	3.2J	17	BDL	NT	50
Silver	BDL	BDL	BDL	BDL	0.82BJ	2.3J	NT	17.5

Notes:
Groundwater samples were collected on November 26, 2008 and analyzed for above constituents by Shealy Environmental Services, Inc. in W. Columbia, SC.
BDL = below detection limit
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
NT = not tested, limited water
Bold and shade denotes above NCGPS
data presented in micrograms per liter (ug/l)
J = estimated result <PQL and >=MDL
B = detected in method blank

TABLE 4
SURFACE WATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 26, 2008

Sample ID	***Upstream***	***Downstream***	***NCGPS***
Appendix I VOC's			
Carbon Disulfide	BDL	0.17J	700
cis-1,2-Dichloroethene	0.19J	0.33J	70
Trichloroethene	0.51J	0.35J	2.8
RCRA Metals			
Barium	9.2J	10J	2,000
Silver	BDL	2.9J	17.5

Notes:
Surface water samples collected November 26, 2008 and analyzed for above constituents by Shealy Environmental Services, Inc. in W. Columbia, SC.
BDL = below detection limit
NA = not applicable
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGPS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

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: **Gaston Co - Biggerstaff Landfill**

Lot Number: **JK26042**
Date Completed: **12/03/2008**

Michael Casalena
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: JK26042

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.

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: JK26042

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-1	Aqueous	11/26/2008 0930	11/26/2008
002	MW-2	Aqueous	11/26/2008 1000	11/26/2008
003	MW-2D	Aqueous	11/26/2008 1030	11/26/2008
004	MW-3	Aqueous	11/26/2008 1300	11/26/2008
005	MW-4	Aqueous	11/26/2008 1215	11/26/2008
006	MW-4D	Aqueous	11/26/2008 1245	11/26/2008
007	MW-5	Aqueous	11/26/2008 1130	11/26/2008
008	Upstream	Aqueous	11/26/2008 1145	11/26/2008
009	Downstream	Aqueous	11/26/2008 1315	11/26/2008
010	Trip Blank	Aqueous	11/26/2008 1605	11/26/2008

(10 samples)

Executive Summary
Buxton Environmental
Lot Number: JK26042

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-1	Aqueous	Benzene	8260B	2.3		ug/L	7
001	MW-1	Aqueous	Chlorobenzene	8260B	0.69	J	ug/L	7
001	MW-1	Aqueous	Chloroethane	8260B	0.57	J	ug/L	7
001	MW-1	Aqueous	1,2-Dichlorobenzene	8260B	0.42	J	ug/L	7
001	MW-1	Aqueous	1,4-Dichlorobenzene	8260B	3.1		ug/L	7
001	MW-1	Aqueous	1,1-Dichloroethane	8260B	0.96	J	ug/L	7
001	MW-1	Aqueous	cis-1,2-Dichloroethene	8260B	5.6		ug/L	7
001	MW-1	Aqueous	Methylene chloride	8260B	5.2		ug/L	7
001	MW-1	Aqueous	Tetrachloroethene	8260B	1.0		ug/L	7
001	MW-1	Aqueous	Trichloroethene	8260B	0.96	J	ug/L	7
001	MW-1	Aqueous	Xylenes (total)	8260B	10		ug/L	8
001	MW-1	Aqueous	Barium	6010B	0.024	J	mg/L	9
001	MW-1	Aqueous	Chromium	6010B	0.0022	J	mg/L	9
001	MW-1	Aqueous	Lead	6010B	0.0039		mg/L	9
001	MW-1	Aqueous	Mercury	7470A	0.000059	J	mg/L	9
001	MW-1	Aqueous	Selenium	6010B	0.0039	J	mg/L	9
002	MW-2	Aqueous	cis-1,2-Dichloroethene	8260B	0.21	J	ug/L	10
002	MW-2	Aqueous	Tetrachloroethene	8260B	0.15	J	ug/L	10
002	MW-2	Aqueous	Barium	6010B	0.020	J	mg/L	12
002	MW-2	Aqueous	Cadmium	6010B	0.00064	J	mg/L	12
002	MW-2	Aqueous	Lead	6010B	0.0051		mg/L	12
003	MW-2D	Aqueous	Benzene	8260B	5.4		ug/L	13
003	MW-2D	Aqueous	Chlorobenzene	8260B	0.37	J	ug/L	13
003	MW-2D	Aqueous	Chloroethane	8260B	0.56	J	ug/L	13
003	MW-2D	Aqueous	1,4-Dichlorobenzene	8260B	3.7		ug/L	13
003	MW-2D	Aqueous	1,1-Dichloroethane	8260B	6.4		ug/L	13
003	MW-2D	Aqueous	cis-1,2-Dichloroethene	8260B	150		ug/L	13
003	MW-2D	Aqueous	trans-1,2-Dichloroethene	8260B	0.45	J	ug/L	13
003	MW-2D	Aqueous	Methylene chloride	8260B	13		ug/L	13
003	MW-2D	Aqueous	Tetrachloroethene	8260B	3.4		ug/L	13
003	MW-2D	Aqueous	Trichloroethene	8260B	4.4		ug/L	13
003	MW-2D	Aqueous	Vinyl chloride	8260B	5.1		ug/L	14
003	MW-2D	Aqueous	Xylenes (total)	8260B	5.6		ug/L	14
003	MW-2D	Aqueous	Barium	6010B	0.10		mg/L	15
003	MW-2D	Aqueous	Lead	6010B	0.0028	J	mg/L	15
003	MW-2D	Aqueous	Selenium	6010B	0.0030	J	mg/L	15
004	MW-3	Aqueous	Toluene	8260B	0.82	J	ug/L	16
004	MW-3	Aqueous	Arsenic	6010B	0.0040	J	mg/L	18
004	MW-3	Aqueous	Barium	6010B	0.040		mg/L	18
004	MW-3	Aqueous	Lead	6010B	0.0064		mg/L	18
004	MW-3	Aqueous	Selenium	6010B	0.0032	J	mg/L	18
005	MW-4	Aqueous	Acetone	8260B	7.3	J	ug/L	19
005	MW-4	Aqueous	Benzene	8260B	5.4		ug/L	19
005	MW-4	Aqueous	Chlorobenzene	8260B	7.4		ug/L	19
005	MW-4	Aqueous	Chloroethane	8260B	1.4	J	ug/L	19

Executive Summary (Continued)

Lot Number: JK26042

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
005	MW-4	Aqueous	1,2-Dichlorobenzene	8260B	2.4		ug/L	19
005	MW-4	Aqueous	1,4-Dichlorobenzene	8260B	12		ug/L	19
005	MW-4	Aqueous	1,1-Dichloroethane	8260B	6.4		ug/L	19
005	MW-4	Aqueous	cis-1,2-Dichloroethene	8260B	8.6		ug/L	19
005	MW-4	Aqueous	trans-1,2-Dichloroethene	8260B	0.26	J	ug/L	19
005	MW-4	Aqueous	1,2-Dichloropropane	8260B	1.2		ug/L	19
005	MW-4	Aqueous	Toluene	8260B	0.65	J	ug/L	19
005	MW-4	Aqueous	Trichloroethene	8260B	1.5		ug/L	19
005	MW-4	Aqueous	Vinyl chloride	8260B	7.3		ug/L	20
005	MW-4	Aqueous	Arsenic	6010B	0.017		mg/L	21
005	MW-4	Aqueous	Barium	6010B	0.057		mg/L	21
005	MW-4	Aqueous	Cadmium	6010B	0.0012	J	mg/L	21
005	MW-4	Aqueous	Lead	6010B	0.0078		mg/L	21
005	MW-4	Aqueous	Selenium	6010B	0.017		mg/L	21
005	MW-4	Aqueous	Silver	6010B	0.00082	BJ	mg/L	21
006	MW-4D	Aqueous	Benzene	8260B	1.8		ug/L	22
006	MW-4D	Aqueous	Chlorobenzene	8260B	8.8		ug/L	22
006	MW-4D	Aqueous	Chloroethane	8260B	0.62	J	ug/L	22
006	MW-4D	Aqueous	1,2-Dichlorobenzene	8260B	3.7		ug/L	22
006	MW-4D	Aqueous	1,4-Dichlorobenzene	8260B	11		ug/L	22
006	MW-4D	Aqueous	1,1-Dichloroethane	8260B	3.5		ug/L	22
006	MW-4D	Aqueous	cis-1,2-Dichloroethene	8260B	13		ug/L	22
006	MW-4D	Aqueous	1,2-Dichloropropane	8260B	0.82	J	ug/L	22
006	MW-4D	Aqueous	Trichloroethene	8260B	1.1		ug/L	22
006	MW-4D	Aqueous	Vinyl chloride	8260B	4.9		ug/L	23
006	MW-4D	Aqueous	Arsenic	6010B	0.0049	J	mg/L	24
006	MW-4D	Aqueous	Barium	6010B	0.12		mg/L	24
006	MW-4D	Aqueous	Cadmium	6010B	0.047		mg/L	24
006	MW-4D	Aqueous	Lead	6010B	0.0047		mg/L	24
006	MW-4D	Aqueous	Silver	6010B	0.0023	J	mg/L	24
007	MW-5	Aqueous	Acetone	8260B	110		ug/L	25
007	MW-5	Aqueous	Benzene	8260B	2.3		ug/L	25
007	MW-5	Aqueous	Carbon disulfide	8260B	0.40	J	ug/L	25
007	MW-5	Aqueous	Chlorobenzene	8260B	15		ug/L	25
007	MW-5	Aqueous	1,2-Dichlorobenzene	8260B	1.2		ug/L	25
007	MW-5	Aqueous	1,4-Dichlorobenzene	8260B	6.3		ug/L	25
007	MW-5	Aqueous	1,1-Dichloroethane	8260B	0.15	J	ug/L	25
007	MW-5	Aqueous	cis-1,2-Dichloroethene	8260B	1.8		ug/L	25
007	MW-5	Aqueous	Toluene	8260B	0.80	J	ug/L	25
007	MW-5	Aqueous	Vinyl chloride	8260B	0.17	J	ug/L	26
008	Upstream	Aqueous	cis-1,2-Dichloroethene	8260B	0.19	J	ug/L	27
008	Upstream	Aqueous	Trichloroethene	8260B	0.51	J	ug/L	27
008	Upstream	Aqueous	Barium	6010B	0.0092	J	mg/L	29
009	Downstream	Aqueous	Carbon disulfide	8260B	0.17	J	ug/L	30
009	Downstream	Aqueous	cis-1,2-Dichloroethene	8260B	0.33	J	ug/L	30
009	Downstream	Aqueous	Trichloroethene	8260B	0.35	J	ug/L	30
009	Downstream	Aqueous	Barium	6010B	0.010	J	mg/L	32
009	Downstream	Aqueous	Lead	6010B	0.0029	J	mg/L	32

Executive Summary (Continued)

Lot Number: JK26042

Sample Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page

(93 detections)

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **JK26042-001**
Description: **MW-1**
Matrix: **Aqueous**
Date Sampled: **11/26/2008 0930**
Date Received: **11/26/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1840	DLB		90953

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**2.3**		**1.0**	**0.13**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**0.69**	**J**	**1.0**	**0.33**	**ug/L**	**1**
Chloroethane	**75-00-3**	**8260B**	**0.57**	**J**	**2.0**	**0.47**	**ug/L**	**1**
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	**95-50-1**	**8260B**	**0.42**	**J**	**1.0**	**0.33**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**3.1**		**1.0**	**0.33**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**0.96**	**J**	**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**5.6**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	**75-09-2**	**8260B**	**5.2**		**1.0**	**0.33**	**ug/L**	**1**
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**1.0**		**1.0**	**0.13**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**0.96**	**J**	**1.0**	**0.18**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-1**
Date Sampled: **11/26/2008 0930**
Date Received: **11/26/2008**

Laboratory ID: **JK26042-001**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1840	DLB		90953

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	**1330-20-7**	**8260B**	**10**		**1.0**	**0.33**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		123	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		112	70-130

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N = Recovery is out of criteria

RCRA Metals

Client: **Buxton Environmental**
Description: **MW-1**
Date Sampled: **11/26/2008 0930**
Date Received: **11/26/2008**

Laboratory ID: **JK26042-001**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2204	BNW	12/01/2008 1750	90846
1	3005A	6010B	1	12/02/2008 0105	MNM	11/28/2008 1340	90724
2	3005A	6010B	1	12/02/2008 1119	MNM	11/28/2008 1340	90724

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.024**	**J**	**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	**7440-47-3**	**6010B**	**0.0022**	**J**	**0.0050**	**0.0021**	**mg/L**	**1**
Lead	**7439-92-1**	**6010B**	**0.0039**		**0.0030**	**0.0019**	**mg/L**	**2**
Mercury	**7439-97-6**	**7470A**	**0.000059**	**J**	**0.00010**	**0.000053**	**mg/L**	**1**
Selenium	**7782-49-2**	**6010B**	**0.0039**	**J**	**0.0050**	**0.0026**	**mg/L**	**1**
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-2**
Date Sampled: **11/26/2008 1030**
Date Received: **11/26/2008**

Laboratory ID: **JK26042-003**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1925	DLB		90953

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**5.4**		**1.0**	**0.13**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**0.37**	**J**	**1.0**	**0.33**	**ug/L**	**1**
Chloroethane	**75-00-3**	**8260B**	**0.56**	**J**	**2.0**	**0.47**	**ug/L**	**1**
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**3.7**		**1.0**	**0.33**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**6.4**		**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**150**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	**156-60-5**	**8260B**	**0.45**	**J**	**1.0**	**0.20**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	**75-09-2**	**8260B**	**13**		**1.0**	**0.33**	**ug/L**	**1**
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**3.4**		**1.0**	**0.13**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**4.4**		**1.0**	**0.18**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

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

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **JK26042-003**
Description: **MW-2**
Matrix: **Aqueous**
Date Sampled: **11/26/2008 1030**
Date Received: **11/26/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1925	DLB		90953

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**5.1**		**1.0**	**0.054**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**5.6**		**1.0**	**0.33**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		124	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		113	70-130

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

RCRA Metals

Client: **Buxton Environmental**
Laboratory ID: **JK26042-003**
Description: **MW-2**
Matrix: **Aqueous**
Date Sampled: **11/26/2008 1030**
Date Received: **11/26/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2206	BNW	12/01/2008 1750	90846
1	3005A	6010B	1	12/02/2008 0112	MNM	11/28/2008 1340	90724
2	3005A	6010B	1	12/02/2008 1123	MNM	11/28/2008 1340	90724

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.10**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	**7439-92-1**	**6010B**	**0.0028**	**J**	**0.0030**	**0.0019**	**mg/L**	**2**
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	**7782-49-2**	**6010B**	**0.0030**	**J**	**0.0050**	**0.0026**	**mg/L**	**1**
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-2D**
Date Sampled: **11/26/2008 1000**
Date Received: **11/26/2008**

Laboratory ID: **JK26042-002**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1903	DLB		90953

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**0.21**	**J**	**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**0.15**	**J**	**1.0**	**0.13**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **JK26042-002**
Description: **MW-2D**
Matrix: **Aqueous**
Date Sampled: **11/26/2008 1000**
Date Received: **11/26/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1903	DLB		90953

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

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		122	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		114	70-130

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

RCRA Metals

Client: **Buxton Environmental**
Description: **MW-2D**
Date Sampled: **11/26/2008 1000**
Date Received: **11/26/2008**

Laboratory ID: **JK26042-002**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2205	BNW	12/01/2008 1750	90846
1	3005A	6010B	1	12/02/2008 0109	MNM	11/28/2008 1340	90724

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.020**	**J**	**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.00064**	**J**	**0.0020**	**0.00060**	**mg/L**	**1**
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	**7439-92-1**	**6010B**	**0.0051**		**0.0030**	**0.0019**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

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

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

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **JK26042-004**
Description: **MW-3**
Matrix: **Aqueous**
Date Sampled: **11/26/2008 1300**
Date Received: **11/26/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1948	DLB		90953

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	**108-88-3**	**8260B**	**0.82**	**J**	**1.0**	**0.33**	**ug/L**	**1**
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **JK26042-004**
Description: **MW-3**
Matrix: **Aqueous**
Date Sampled: **11/26/2008 1300**
Date Received: **11/26/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1948	DLB		90953

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

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		126	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		112	70-130

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

RCRA Metals

Client: **Buxton Environmental**
Description: **MW-3**
Date Sampled: **11/26/2008 1300**
Date Received: **11/26/2008**

Laboratory ID: **JK26042-004**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2208	BNW	12/01/2008 1750	90846
1	3005A	6010B	1	12/02/2008 0116	MNM	11/28/2008 1340	90724

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.0040**	**J**	**0.0050**	**0.0040**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**0.040**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	**7439-92-1**	**6010B**	**0.0064**		**0.0030**	**0.0019**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	**7782-49-2**	**6010B**	**0.0032**	**J**	**0.0050**	**0.0026**	**mg/L**	**1**
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

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

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

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **JK26042-005**
Description: **MW-4**
Matrix: **Aqueous**
Date Sampled: **11/26/2008 1215**
Date Received: **11/26/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 2010	DLB		90953

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**7.3**	**J**	**20**	**6.7**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**5.4**		**1.0**	**0.13**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**7.4**		**1.0**	**0.33**	**ug/L**	**1**
Chloroethane	**75-00-3**	**8260B**	**1.4**	**J**	**2.0**	**0.47**	**ug/L**	**1**
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	**95-50-1**	**8260B**	**2.4**		**1.0**	**0.33**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**12**		**1.0**	**0.33**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**6.4**		**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**8.6**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	**156-60-5**	**8260B**	**0.26**	**J**	**1.0**	**0.20**	**ug/L**	**1**
1,2-Dichloropropane	**78-87-5**	**8260B**	**1.2**		**1.0**	**0.19**	**ug/L**	**1**
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	**108-88-3**	**8260B**	**0.65**	**J**	**1.0**	**0.33**	**ug/L**	**1**
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**1.5**		**1.0**	**0.18**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **JK26042-005**
Description: **MW-4**
Matrix: **Aqueous**
Date Sampled: **11/26/2008 1215**
Date Received: **11/26/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 2010	DLB		90953

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**7.3**		**1.0**	**0.054**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		123	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		112	70-130

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

RCRA Metals

Client: **Buxton Environmental**
Description: **MW-4**
Date Sampled: **11/26/2008 1215**
Date Received: **11/26/2008**

Laboratory ID: **JK26042-005**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2209	BNW	12/01/2008 1750	90846
1	3005A	6010B	1	12/02/2008 0120	MNM	11/28/2008 1340	90724
2	3005A	6010B	1	12/02/2008 1135	MNM	11/28/2008 1340	90724

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.017**		**0.0050**	**0.0040**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**0.057**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.0012**	**J**	**0.0020**	**0.00060**	**mg/L**	**1**
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	**7439-92-1**	**6010B**	**0.0078**		**0.0030**	**0.0019**	**mg/L**	**2**
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	**7782-49-2**	**6010B**	**0.017**		**0.0050**	**0.0026**	**mg/L**	**1**
Silver	**7440-22-4**	**6010B**	**0.00082**	**BJ**	**0.0050**	**0.00040**	**mg/L**	**1**

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

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

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-4D**
Date Sampled: **11/26/2008 1245**
Date Received: **11/26/2008**

Laboratory ID: **JK26042-006**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 2033	DLB		90953

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**1.8**		**1.0**	**0.13**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**8.8**		**1.0**	**0.33**	**ug/L**	**1**
Chloroethane	**75-00-3**	**8260B**	**0.62**	**J**	**2.0**	**0.47**	**ug/L**	**1**
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	**95-50-1**	**8260B**	**3.7**		**1.0**	**0.33**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**11**		**1.0**	**0.33**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**3.5**		**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**13**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	**78-87-5**	**8260B**	**0.82**	**J**	**1.0**	**0.19**	**ug/L**	**1**
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**1.1**		**1.0**	**0.18**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

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

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

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

RCRA Metals

Client: **Buxton Environmental**
Laboratory ID: **JK26042-006**
Description: **MW-4D**
Matrix: **Aqueous**
Date Sampled: **11/26/2008 1245**
Date Received: **11/26/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2210	BNW	12/01/2008 1750	90846
1	3005A	6010B	1	12/02/2008 0143	MNM	11/28/2008 1340	90725
2	3005A	6010B	1	12/02/2008 1138	MNM	11/28/2008 1340	90725

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.0049**	**J**	**0.0050**	**0.0040**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**0.12**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.047**		**0.0020**	**0.00060**	**mg/L**	**1**
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	**7439-92-1**	**6010B**	**0.0047**		**0.0030**	**0.0019**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	2
Silver	**7440-22-4**	**6010B**	**0.0023**	**J**	**0.0050**	**0.00040**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **JK26042-007**
Description: **MW-5**
Matrix: **Aqueous**
Date Sampled: **11/26/2008 1130**
Date Received: **11/26/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/03/2008 1031	DLB		90982

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**110**		**20**	**6.7**	**ug/L**	**1**
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	**71-43-2**	**8260B**	**2.3**		**1.0**	**0.13**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	**75-15-0**	**8260B**	**0.40**	**J**	**1.0**	**0.097**	**ug/L**	**1**
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**15**		**1.0**	**0.33**	**ug/L**	**1**
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	**95-50-1**	**8260B**	**1.2**		**1.0**	**0.33**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**6.3**		**1.0**	**0.33**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**0.15**	**J**	**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**1.8**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	**108-88-3**	**8260B**	**0.80**	**J**	**1.0**	**0.33**	**ug/L**	**1**
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **JK26042-007**
Description: **MW-5**
Matrix: **Aqueous**
Date Sampled: **11/26/2008 1130**
Date Received: **11/26/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/03/2008 1031	DLB		90982

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**0.17**	**J**	**1.0**	**0.054**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		101	70-130

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **Upstream**
Date Sampled: **11/26/2008 1145**
Date Received: **11/26/2008**

Laboratory ID: **JK26042-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 2056	DLB		90953

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**0.19**	**J**	**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**0.51**	**J**	**1.0**	**0.18**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

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

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

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **JK26042-008**
Description: **Upstream**
Matrix: **Aqueous**
Date Sampled: **11/26/2008 1145**
Date Received: **11/26/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 2056	DLB		90953

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

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		123	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		113	70-130

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

RCRA Metals

Client: **Buxton Environmental**
Description: **Upstream**
Date Sampled: **11/26/2008 1145**
Date Received: **11/26/2008**

Laboratory ID: **JK26042-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2213	BNW	12/01/2008 1750	90846
1	3005A	6010B	1	12/02/2008 0147	MNM	11/28/2008 1340	90725

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.0092**	**J**	**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

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

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

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **Downstream**
Date Sampled: **11/26/2008 1315**
Date Received: **11/26/2008**

Laboratory ID: **JK26042-009**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1433	DLB		90938

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	**75-15-0**	**8260B**	**0.17**	**J**	**1.0**	**0.097**	**ug/L**	**1**
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**0.33**	**J**	**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**0.35**	**J**	**1.0**	**0.18**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

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

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

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **JK26042-009**
Description: **Downstream**
Matrix: **Aqueous**
Date Sampled: **11/26/2008 1315**
Date Received: **11/26/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1433	DLB		90938

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

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	70-130
Bromofluorobenzene		105	70-130
Toluene-d8		105	70-130

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

RCRA Metals

Client: **Buxton Environmental**
Laboratory ID: **JK26042-009**
Description: **Downstream**
Matrix: **Aqueous**
Date Sampled: **11/26/2008 1315**
Date Received: **11/26/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2214	BNW	12/01/2008 1750	90846
1	3005A	6010B	1	12/02/2008 0151	MNM	11/28/2008 1340	90725

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.010**	**J**	**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	**7439-92-1**	**6010B**	**0.0029**	**J**	**0.0030**	**0.0019**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **JK26042-010**
Description: **Trip Blank**
Matrix: **Aqueous**
Date Sampled: **11/26/2008 1605**
Date Received: **11/26/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1454	DLB		90938

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
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: **JK26042-010**
Description: **Trip Blank**
Matrix: **Aqueous**
Date Sampled: **11/26/2008 1605**
Date Received: **11/26/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1454	DLB		90938

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

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

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

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 95889

Client: Buxton Environmental, Inc
Report to Contact:
Telephone No. / Fax No. / E-mail: 704-344-1450
Quote No.:
Address: 1101 South Blvd, Ste 101
Sampler's Signature:
Waybill No.:
Page ___ of ___
City: Charlotte | State: NC | Zip Code: 28203
X
Printed Name:
Project Name: Gaston Co - Biggerstaff Landfill
Project No.:
P.O. No.:

Analysis (Attach list if more space is needed.)

Lot No.: JK26042

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	NaOH/Zn	ADP I VOCs	RCRA metals	Remarks / Cooler I.D.
MW-1	11-26-08	9:30	6	—									X	X	
MW-2	"	10:00	6	—									X	X	
MW-2D	"	10:30	6	—									X	X	
MW-3	"	13:00	6	—									X	X	
MW-4	"	12:15	6	—									X	X	
MW-4D	"	12:45	6	—									X	X	
MW-5	"	11:30	6	—									X	—	
UPSTREAM	"	11:45	6	—									X	X	
DOWNSTREAM	"	13:15	6	—									X	X	
TRIP BLANK	11-3-08	12:30	6	—									X	—	

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

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

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

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

QC Requirements (Specify): Analyze per NC Solid Waste Rules w/ Low Detection + B+J-Flags

	Date	Time		Date	Time
1. Relinquished by: [signature]	11-26-08	14:15	1. Received by: [signature]	11-26-08	14:15
2. Relinquished by: [signature]	11-26-08	1605	2. Received by:		
3. Relinquished by:			3. Laboratory received by: [signature]	11-26-08	1605

Comments:

LAB USE ONLY: Received on ice (Circle) Yes No Ice Pack

Receipt Temp. 1.2 °C

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

Document Number F-AD-012 Effective Date 08-04-02

Shealy Environmental Services, Inc.
Document Number: F-AD-018
Revision Number: 6

Page 1 of 1
Replaces Date: 09/22/06
Effective Date: 05/29/07

Sample Receipt Checklist (SRC)

Client: Burton Cooler Inspected by/date: ECC / 11/26/08 Lot #: JK26042

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

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

Cooler ID/temperature upon receipt 1-2 / °C / °C / °C / °C / °C / °C / °C / °C

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

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

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____ (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐	NA ☐	5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐	NA ☐	6. Were sample IDs listed?
Yes ☑	No ☐	NA ☐	7. Was collection date & time listed?
Yes ☑	No ☐	NA ☐	8. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐	NA ☐	10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐	NA ☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☐	No ☐	NA ☐	12. Was adequate sample volume available?
Yes ☑	No ☐	NA ☐	13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑	NA ☐	14. Were any samples containers missing?
Yes ☐	No ☑	NA ☐	15. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	16. Were bubbles present >"pea-size" (¼" or 6mm in diameter) in any VOA vials?
Yes ☑	No ☐	NA ☐	17. Were all metals/O&G/TEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?

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

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

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

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

Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

Corrective Action taken, if necessary:

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

SESI employee: _____ Date of response: _____

Comments: _____

APPENDIX B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS

MW-1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*4/97*	*9/97*	*4/98*	*9/98*	*4/99*	*9/99*	*5/00*	*9/00*	*5/01*	*12/01*	*8/02*	*12/02*	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*6/07*	*11/07*	*6/08*	*11/08*	*NCGPS*
Appendix I VOC's																									
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	210	BDL	NT	NT	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.4BJ	BDL	BDL	700
Benzene	BDL	BDL	BDL	BDL	BDL	**7**	BDL	BDL	BDL	NT	NT	NT	**1**	BDL	**2.6**	**3.1**	**2.6**	**3.3**	**3.2**	**2.7**	BDL	**2.6**	**2.4**	**2.3**	1
Chlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	1.5	BDL	1	1.2	BDL	1.3	1.2	BDL	BDL	0.73J	0.67J	0.69J	50
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.65J	0.73J	0.57J	2,800
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	1.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.36J	0.38J	0.42J	24
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	BDL	**2.8**	**3.2**	**2.9**	**4**	**3.8**	**3.3**	BDL	**3**	**3**	**3.1**	1.4
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.1	1	0.96J	70
1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	BDL	BDL	BDL	BDL	BDL	1	1.1	BDL	BDL	BDL	BDL	7
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	3	BDL	5.5	6.3	6.2	7.1	7.6	6.8	6.7	6.6	6.1	5.6	70
Methylene Chloride	BDL	BDL	**5.8 PC**	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	BDL	BDL	**9**	**8.2**	**8.7**	**8.1**	**7.3**	**6.1**	**7B**	**5.4**	**5.2**	4.6
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	BDL	BDL	BDL	**4.3**	BDL	BDL	**1.2**	BDL	**0.91J**	**0.99J**	**1**	0.7
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	BDL	BDL	BDL	BDL	BDL	1	1.2	BDL	1.1	1.2	0.96J	2.8
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**0.62J**	BDL	BDL	0.015
Xylenes	27	BDL	BDL	25	21	10	BDL	25	14	NT	NT	NT	53	17	19	BDL	18	19	18	13	18	12	7	10	530
RCRA Metals																									
Arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	12	BDL	20	BDL	12	15	BDL	BDL	BDL	BDL	BDL	50
Barium	53	62	56	610	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	61	73	30	130	50	61	58	30	27	27	26	24	2,000
Cadmium	BDL	**2**	BDL	BDL	BDL	BDL	1	BDL	BDL	NT	NT	NT	BDL	BDL	BDL	BDL	1.1	BDL	**2.2**	BDL	BDL	BDL	BDL	BDL	1.75
Chromium	38	**57**	**98**	**100**	33	20	11	20	BDL	NT	NT	NT	20	**110**	BDL	**260**	14	**84**	**88**	BDL	3.6J	7.1	BDL	2.2J	50
Lead	8	**18**	9	9.8	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	13	**16**	BDL	**41**	8.2	12	10	BDL	9	2.2J	BDL	3.9	15
Mercury	BDL	0.2	0.2	**1.2**	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	0.51	0.51	0.29	BDL	0.18	0.24	BDL	0.068J	BDL	BDL	0.059J	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	BDL	BDL	BDL	BDL	BDL	6.3	BDL	BDL	BDL	2.6J	3.9J	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.95J	BDL	BDL	BDL	17.5

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGPS = North Carolina Groundwater Quality Standard
VOC's = volatile organic compounds
PC = suspected laboratory contaminant
NT = not tested, due to dry well
bold and shade denotes above NCGPS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

MW-2

HISTORICAL GROUNDWATER ANALYTICAL RESULTS

GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL

GASTON COUNTY, NORTH CAROLINA

Date	*4/97*	*9/97*	*4/98*	*9/98*	*4/99*	*9/99*	*5/00*	*9/00*	*5/01*	*12/01*	*8/02*	*12/02*	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*6/07*	*11/07*	*6/08*	*11/08*	*NCGPS*
Appendix I VOC's																									
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	76	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.5BJ	BDL	BDL	700
Benzene	BDL	BDL	BDL	BDL	**10**	BDL	BDL	**9**	BDL	BDL	BDL	**1.1**	BDL	**2.3**	**7.6**	**5.6**	**1.1**	**8.8**	**8.6**	**3.6**	**5.9**	**4.7**	**7.3**	**5.4**	1
Carbon Disulfide	17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700
Chlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.32J	0.58J	0.37J	50
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.55J	0.76J	0.56J	2,800
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**4.8**	**4.1**	BDL	**5**	**6.8**	**3.8**	**5.6**	**3.2**	**7.4**	**3.7**	1.4
1,1-Dichloroethane	14	BDL	BDL	16	32	10	5	56	8.9	15.4	4.6	11	BDL	2.8	7.2	7.4	1	22	12	2.7	BDL	7.6	5.8	6.4	70
1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.26J	BDL	BDL	7
cis-1,2-Dichloroethene	**480**	62	**100**	**210**	**300**	28	**91**	**160**	**96**	20.9	12.1	**170**	4	**190**	**250**	**140**	34	**310**	**320**	**290**	**260**	**160**	**210**	**150**	70
trans-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.3	BDL	BDL	BDL	0.58J	0.49J	0.45J	100
1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.22J	0.22J	BDL	0.51
4-Methyl-2-Pentanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.45J	BDL	560
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**39**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**5.6**	BDL	**46**	**29**	BDL	**5**	**17B**	**7.9**	**13**	4.6
Tetrachloroethene	**27**	**5.5**	**9.8**	**26**	**27**	**22**	BDL	**75**	**9**	**25.8**	**8.7**	**13**	**2**	BDL	**2.1**	**3.3**	**5**	**20**	**9.7**	**1.9**	BDL	**5.8**	**3**	**3.4**	0.7
Trichloroethene	**14**	BDL	BDL	**9**	**18**	BDL	BDL	**31**	**9.1**	**6.6**	2.6	**8.9**	BDL	**7.2**	**4.9**	**3.6**	2.1	**16**	**11**	**4.3**	BDL	**6.1**	**5.5**	**4.4**	2.8
Vinyl Chloride	**20**	BDL	**16**	**18**	**26**	**10**	**54**	**37**	**84**	**11.5**	**5.3**	BDL	**4.1**	BDL	**30**	**21**	**22**	**40**	**17**	**18**	**26**	**11**	**18**	**5.1**	0.015
Xylenes	BDL	BDL	BDL	BDL	12	BDL	BDL	25	BDL	14.3	BDL	5	BDL	BDL	2.9	3.2	BDL	32	16	1	BDL	6.2	3.8	5.6	530
RCRA Metals																									
Arsenic	17	11	7	6	BDL	BDL	BDL	BDL	17	BDL	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	8.8	BDL	4.5J	BDL	BDL	50
Barium	1,200	**3,000**	830	560	BDL	BDL	BDL	BDL	BDL	129	113	150	130	170	270	110	130	220	260	270	200	130	110	100	2,000
Cadmium	**2**	**7**	BDL	BDL	**2**	**3**	**4**	**3**	BDL	BDL	**2**	BDL	BDL	BDL	BDL	**11**	**2.1**	BDL	**2.1**	**2.6**	**3.5**	BDL	0.8J	BDL	1.75
Chromium	19	21	13	19	BDL	BDL	BDL	BDL	BDL	BDL	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6	9.6	BDL	BDL	BDL	BDL	50
Lead	**120**	**180**	**52**	**48**	BDL	**31**	12	**19**	BDL	BDL	BDL	BDL	8.5	9	11	7.6	4.9	BDL	9.4	12	3.4	BDL	3B	2.8J	15
Mercury	BDL	0.2	BDL	0.87	BDL	BDL	BDL	BDL	BDL	0.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.6J	BDL	BDL	3J	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**22**	BDL	7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.98J	BDL	BDL	BDL	17.5

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGPS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

MW-2D
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*9/00*	*5/01*	*12/01*	*8/02*	*12/02*	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*6/07*	*11/07*	*6/08*	*11/08*	*NCGPS*
Appendix I VOC's																		
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3BJ	BDL	BDL	700
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.31J	0.2J	0.21J	70
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.17J	BDL	0.15J	0.7
RCRA Metals																		
Arsenic	47	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
Barium	1,600	BDL	27	26	29	26	26	BDL	29	BDL	BDL	BDL	36	22J	27	16J	20J	2,000
Cadmium	**61**	1	1	BDL	BDL	BDL	BDL	BDL	1.1	**3.5**	BDL	1.2	BDL	BDL	BDL	BDL	0.64J	1.75
Chromium	44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
Lead	**150**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.2	BDL	BDL	BDL	BDL	5.1	15
Mercury	BDL	BDL	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.6BJ	3J	BDL	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.7J	BDL	BDL	BDL	17.5

Notes:
Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
NA = not applicable
bold and shade denotes above NCGPS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

MW-3
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*4/97*	*9/97*	*4/98*	*9/98*	*4/99*	*9/99*	*5/00*	*9/00*	*5/01*	*12/01*	*8/02*	*12/02*	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*6/07*	*11/07*	*6/08*	*11/08*	*NCGPS*
Appendix I VOC's																									
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.4BJ	BDL	BDL	700
Benzene	BDL	BDL	BDL	BDL	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1
Chlorobenzene	BDL	BDL	BDL	BDL	6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	**10**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.4
1,1-Dichloroethane	BDL	BDL	BDL	BDL	39	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	19	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.82J	1,000
Vinyl Chloride	BDL	BDL	BDL	BDL	**19**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015
RCRA Metals																									
Arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.1	BDL	14	BDL	BDL	BDL	4J	50
Barium	180	260	190	260	BDL	BDL	BDL	BDL	BDL	41	65	100	54	90	110	87	44	120	120	180	35	50	49	40	2,000
Cadmium	BDL	**6**	BDL	BDL	1	1	**4**	**8**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL	BDL	1.3	BDL	BDL	1.2J	BDL	1.75
Chromium	BDL	10	12	24	BDL	BDL	BDL	14	BDL	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	6.5	BDL	12	2.6J	BDL	BDL	BDL	50
Lead	**50**	**53**	**53**	**95**	**38**	**42**	12	**63**	BDL	**56**	12	**22**	5.2	14	**17**	13	BDL	**18**	12	**30**	BDL	3	6.5B	6.4	15
Mercury	BDL	BDL	BDL	0.56	BDL	BDL	BDL	BDL	BDL	0.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.9BJ	2.8J	3.2J	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.91J	BDL	BDL	BDL	17.5

Notes:
Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGPS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

MW-4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*4/97*	*9/97*	*4/98*	*9/98*	*4/99*	*9/99*	*5/00*	*9/00*	*5/01*	*12/01*	*8/02*	*12/02*	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*6/07*	*11/07*	*6/08*	*11/08*	*NCGPS*
Appendix I VOC's																									
Acetone	BDL	130	BDL	BDL	BDL	BDL	BDL	140	BDL	BDL	BDL	BDL	51	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.8BJ	BDL	7.3J	700
Benzene	**6.2**	**7.8**	**5.4**	BDL	**6**	**10**	BDL	BDL	BDL	**7.7**	BDL	BDL	BDL	**2.9**	**4.6**	**1.6**	**2.6**	**5.5**	**5.6**	**1.4**	**5.6**	**6.6**	**4.4**	**5.4**	1
Chlorobenzene	BDL	BDL	BDL	BDL	6	7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.5	7.4	1.4	3.6	6.8	9.2	1.6	9.7	7.8	8.9	7.4	50
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.3	2.3	BDL	BDL	2.9	2.1	BDL	BDL	2.1	1.8J	1.4J	2,800
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.8	BDL	BDL	2	2.5	BDL	13	2.5	2.8	2.4	24
1,4-Dichlorobenzene	**6.2**	BDL	BDL	**5.3**	**10**	**12**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**3.9**	**8.9**	1.3	**3.8**	**9.5**	**10**	1.2	**12**	**13**	**12**	**12**	1.4
1,1-Dichloroethane	56	49	27	32	37	48	14	16	14	20	BDL	BDL	BDL	7.9	12	4	5.6	9.3	8.2	2.4	8.1	8.1	6.5	6.4	70
1,2-Dichloroethane	**8.3**	BDL	BDL	BDL	BDL	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**1.9**	BDL	BDL	**1.1**	**1**	BDL	BDL	**0.67J**	BDL	BDL	0.38
cis-1,2-Dichloroethene	28	38	26	20	18	41	5	17	5.5	11.1	BDL	BDL	2.1	4.4	10	3.3	5.2	10	9.6	2.5	9	11	5.8	8.6	70
trans-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.32J	0.21J	0.26J	100
1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**1.2**	BDL	BDL	BDL	**1.2**	BDL	BDL	**1.5**	**1.2**	**1.2**	0.51
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.24J	BDL	BDL	550
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.89BJ	BDL	BDL	4.6
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2	BDL	1.2	BDL	BDL	BDL	BDL	BDL	BDL	1.2	0.55J	0.65J	1,000
Trichloroethene	BDL	**5.3**	BDL	BDL	BDL	**8**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.8	BDL	1.6	2.1	2.9	1.1	BDL	2.4	1	1.5	2.8
Vinyl Chloride	BDL	**11**	BDL	**13**	**18**	**22**	**14**	BDL	BDL	**7.6**	BDL	BDL	**3.7**	BDL	**9.9**	**6.2**	**11**	**18**	**9.2**	**6.7**	**9.6**	**11**	**6.2**	**7.3**	0.015
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.33J	BDL	BDL	530
RCRA Metals																									
Arsenic	12	13	5	BDL	BDL	BDL	BDL	BDL	19	8	6	BDL	BDL	16	12	5.3	BDL	12	18	7.4	19	18	19	17	50
Barium	290	250	110	160	BDL	BDL	BDL	BDL	BDL	92	180	BDL	BDL	88	91	39	43	110	150	36	110	45	120	57	2,000
Cadmium	**24**	**44**	**22**	**7.1**	**13**	**10**	**12**	**5**	**2**	**3.6**	BDL	BDL	BDL	BDL	**5**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2J	1.75
Chromium	15	10	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.6J	BDL	BDL	50
Lead	**39**	**30**	13	6.3	BDL	**86**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.6	BDL	BDL	BDL	8.8	BDL	5.3B	7.8	15
Mercury	BDL	BDL	BDL	**4.2**	BDL	0.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6	BDL	BDL	BDL	5.6	BDL	BDL	BDL	6.5	BDL	BDL	BDL	BDL	4.5J	17	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	11	7.3	BDL	0.82BJ	17.5

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGPS = North Carolina Groundwater Protection Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGPS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

MW-4D
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*9/00*	*5/01*	*12/01*	*8/02*	*12/02*	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*6/07*	*11/07*	*6/08*	*11/08*	*NCGPS*
Appendix I VOC's																		
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3BJ	BDL	BDL	700
Benzene	BDL	BDL	BDL	BDL	**2.1**	BDL	BDL	**2.4**	**2.4**	**2.2**	**2.2**	**2.2**	**2**	BDL	**2.1**	**1.8**	**1.8**	1
Chlorobenzene	BDL	5.6	BDL	BDL	4.1	5.7	4.3	6.7	7.5	7.6	8.5	10	9.6	11	9.2	8.8	8.8	50
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.63J	BDL	0.62J	2,800
1,2-Dichlorobenzene	BDL	BDL	2.4	BDL	2.7	3.4	2	3.9	3.9	3.7	4	4.3	3.9	13	3.6	3.6	3.7	24
1,4-Dichlorobenzene	BDL	**8.6**	BDL	BDL	**9**	**7.8**	**7.2**	**9.2**	**9.2**	**9.5**	**10**	**10**	**10**	**11**	**10**	**10**	**11**	1.4
1,1-Dichloroethane	8	8.1	8.2	BDL	6.3	4.9	1.8	4.5	4.2	4.4	4.2	3.4	3.5	BDL	3.5	3.4	3.5	70
cis-1,2-Dichloroethene	BDL	BDL	5.2	BDL	5.2	4	BDL	5.2	6.3	7	8	7.8	8.9	9.2	12	13	13	70
1,2-Dichloropropane	BDL	BDL	BDL	BDL	**1**	**1**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**0.94J**	**0.89J**	**0.82J**	0.51
Tolune	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.25J	0.34J	BDL	1,000
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	1.1	1.1	2.8
Vinyl Chloride	BDL	BDL	**5.5**	BDL	BDL	**4.7**	BDL	**4.9**	**3.9**	**5**	**6.7**	**3.8**	**5**	**5**	**5.2**	**6.1**	**4.9**	0.015
RCRA Metals																		
Arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.9J	50
Barium	BDL	BDL	108	97	100	110	110	110	120	120	110	120	120	130	130	120	120	2,000
Cadmium	**9**	**7**	**10**	**14**	**17**	**13**	**33**	**30**	**40**	**30**	**30**	**29**	**110**	**51**	**98**	**23**	**47**	1.75
Chromium	BDL	BDL	7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.9J	2.3J	BDL	BDL	50
Lead	22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	4.8	3.6B	4.7	15
Selenium	BDL	BDL	10	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.1	BDL	2.9J	BDL	BDL	BDL	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.9J	0.76J	2.4J	2.3J	17.5

Notes:
Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGPS = North Carolina Groundwater Quality Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGPS
data presented in micrograms per liter (ug/l)
B = detected in method blank
J = estimated result <PQL and >=MDL

MW-5
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	*4/97*	*9/97*	*4/98*	*9/98*	*4/99*	*9/99*	*5/00*	*9/00*	*5/01*	*12/01*	*8/02*	*12/02*	*5/03*	*11/03*	*5/04*	*11/04*	*4/05*	*11/05*	*5/06*	*11/06*	*6/07*	*11/07*	*6/08*	*11/08*	*NCGPS*
Appendix I VOC's																									
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	110	BDL	NT	BDL	BDL	120	BDL	BDL	28	240	BDL	25	BDL	35	12BJ	210	110	700
Benzene	**5.9**	BDL	BDL	BDL	BDL	**7**	BDL	**5**	BDL	NT	**4.3**	BDL	**4.6**	**2.9**	**2.6**	**3.5**	**3.6**	**2.9**	**3.8**	**3.3**	BDL	**2.5**	**1.8**	**2.3**	1
Carbon Disulfide	BDL	6.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.4J	700
Chlorobenzene	6.8	BDL	8.5	8.3	10	13	13	12	12	NT	13.2	15	21	21	18	25	24	19	34	24	37	18	11	15	50
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.76J	BDL	BDL	2,800
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	BDL	1.2	1.6	BDL	BDL	1.2	1	BDL	1.3	1.1	8.7	0.88J	0.9J	1.2	24
1,4-Dichlorobenzene	**10**	**8.2**	**12**	**8.4**	**12**	**14**	**10**	BDL	**11**	NT	**9.3**	**11**	**11**	**7.5**	**6.1**	**7.4**	**6.5**	**6.1**	**7.2**	**6.5**	**7.9**	**5.3**	**5**	**6.3**	1.4
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.14J	0.14J	0.15J	70
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	9	BDL	6	BDL	NT	2.7	2.3	BDL	BDL	1.2	BDL	1.2	1	BDL	1.1	BDL	1.3	1.7	1.8	70
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.84BJ	BDL	BDL	4.6
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	BDL	BDL	BDL	BDL	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.7
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	940	8.5	BDL	BDL	BDL	BDL	1.1	BDL	6	0.52J	0.34J	0.8J	1,000
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.18J	BDL	BDL	2.8
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**0.33J**	BDL	**0.17J**	0.015
Xylenes	26	BDL	BDL	BDL	7	BDL	BDL	BDL	BDL	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530
RCRA Metals																									
Arsenic	BDL	BDL	6	BDL	15	14	BDL	BDL	BDL	NT	NT	BDL	25	7.2	6.7	BDL	BDL	BDL	BDL	6.5	BDL	BDL	5.5	NT	50
Barium	730	1,500	1,300	1,600	720	1,500	BDL	BDL	BDL	NT	NT	250	370	260	220	250	320	180	250	350	180	210	170	NT	2,000
Cadmium	**7**	**22**	**18**	**24**	**12**	**15**	**2**	**7**	BDL	NT	NT	**2.1**	**3.8**	**1.8**	**2.6**	**6.6**	**2.4**	1.5	**2.4**	**7.5**	1.5J	**3.5**	**2.2**	NT	1.75
Chromium	BDL	18	25	22	BDL	BDL	BDL	BDL	BDL	NT	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	50
Lead	**43**	**130**	**120**	**140**	**85**	**86**	BDL	**29**	BDL	NT	NT	14	**47**	**23**	12	9.8	13	3.6	BDL	**22**	2.3J	BDL	6.1B	NT	15
Mercury	**2.4**	0.3	**2.2**	**4.9**	BDL	0.4	0.2	0.6	BDL	NT	NT	BDL	0.53	BDL	0.36	BDL	BDL	BDL	0.13	0.31	0.1	0.23	0.13	NT	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.9	NT	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2J	BDL	BDL	NT	17.5

Notes:

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