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

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	N/A	_	6/5/08

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	704-344-1450
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Signature 10-27-08 Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 1266 GEOLOGIST CHARLES ROSS KLINGMAN

Revised 01/2007

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

Prepared for:

Mr. Ray Maxwell, P.E.
Gaston County Public Works
P.O. Box 1578
Gastonia, North Carolina 28053

July 16, 2008

Prepared by:

Ross Klingman, P.G.
Senior Geologist

NORTH CAROLINA LICENSED SEAL 1266 GEOLOGIST CHARLES ROSS KLINGMAN

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FIRST 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 first 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 (NCSWM) guidelines, and memorandums dated October 27, 2006, February 23, 2007 and October 16, 2007 concerning changes to laboratory detection limits and reporting requirements. 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 NCSWM 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 NCSWM 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 June 5, 2008, Buxton Environmental, Inc. conducted the first 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. For quality control purposes, one trip blank and one equipment blank were analyzed for Appendix I VOC's. The trip blank was prepared by the laboratory and the de-ionized water utilized for the equipment blank was supplied 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 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 June 5, 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 downward vertical gradient of 0.001 ft/ft was observed at nested monitor wells MW-4 and MW-4D. Upward vertical gradients are generally associated with groundwater discharge zones and downward gradients are generally associated with groundwater recharge zones.

5.0 GROUNDWATER AND SURFACE WATER ANALYTICAL RESULTS

The groundwater and surface water analytical results for the first semi-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 2.4 ug/l benzene, 3 ug/l 1,4-dichlorobenzene, 5.4 ug/l methylene chloride and 0.99J ug/l tetrachloroethene (J=estimated result (<Solid Waste Section Limit (SWSL) or Practical Quantitation Limit (PQL) and >=Method Detection Limit (MDL)). Groundwater sample MW-2 indicated the presence of 7.3 ug/l benzene, 7.4 ug/l 1,4-dichlorobenzene, 210 ug/l cis-1,2-dichloroethene, 7.9 ug/l methylene chloride, 3 ug/l tetrachloroethene, 5.5 ug/l trichloroethene and 18 ug/l vinyl chloride. Groundwater sample MW-4 indicated the presence of 4.4 ug/l benzene, 12 ug/l 1,4-dichlorobenzene, 1.2 ug/l 1,2-dichloropropane and 6.2 ug/l vinyl chloride. Groundwater sample MW-4D indicated the presence of 1.8 ug/l benzene, 10 ug/l 1,4-dichlorobenzene, 0.89J ug/l 1,2-dichloropropane, 6.1 ug/l vinyl chloride and 23 ug/l cadmium. Groundwater sample MW-5 indicated 1.8 ug/l benzene, 5 ug/l 1,4-dichlorobenzene and 2.2 ug/l cadmium. 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 and equipment blanks did not indicate the presence of VOC's above method detection limits.

6.0 CONCLUSIONS

On June 5, 2008, Buxton Environmental, Inc. conducted the first 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

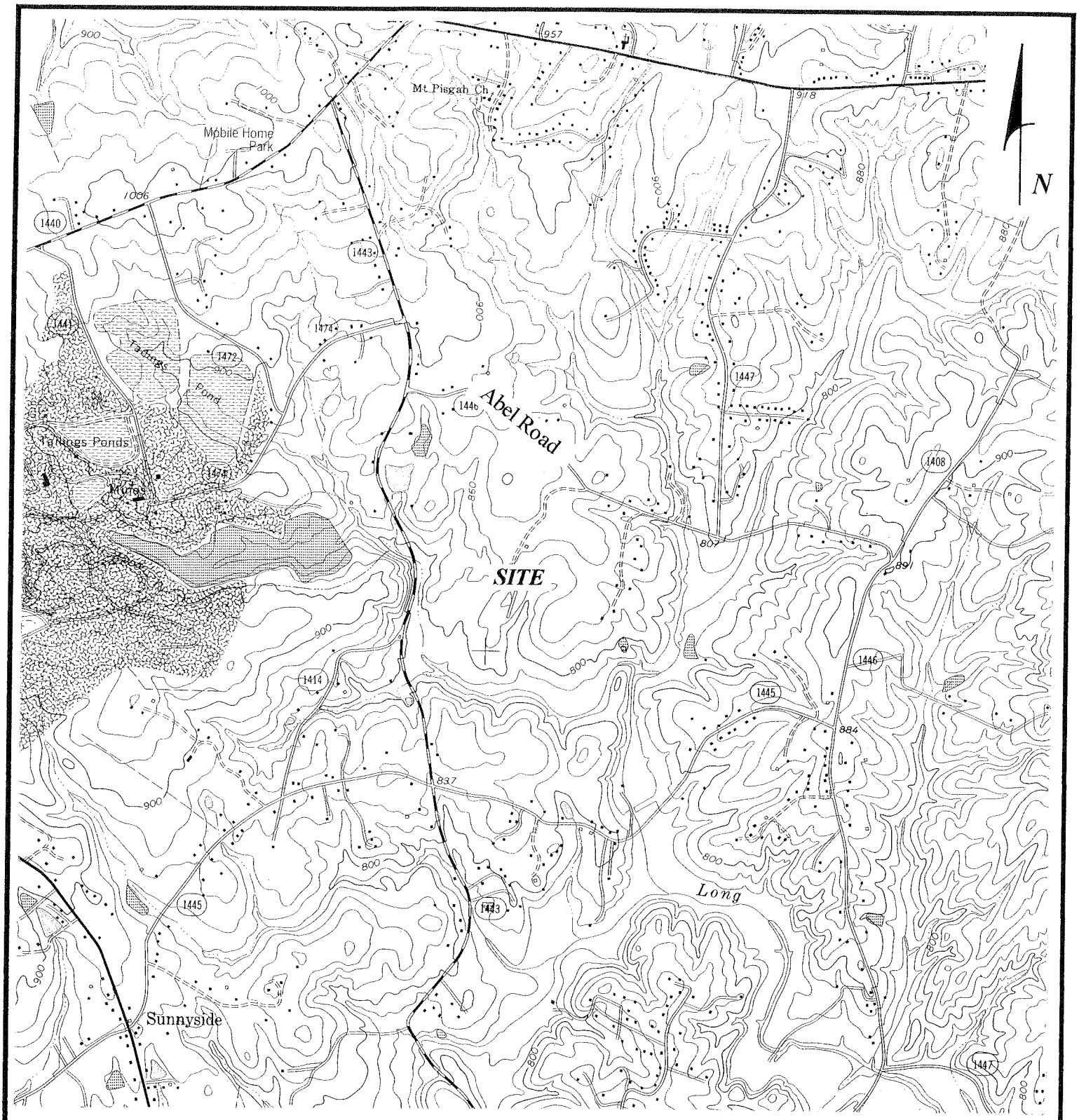
Based on the findings of this assessment, Buxton Environmental, Inc. makes the following recommendations.

- Semi-annual groundwater monitoring should continue to be conducted at the Closed Biggerstaff Landfill. The next sampling event is anticipated to be conducted in November 2008.

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

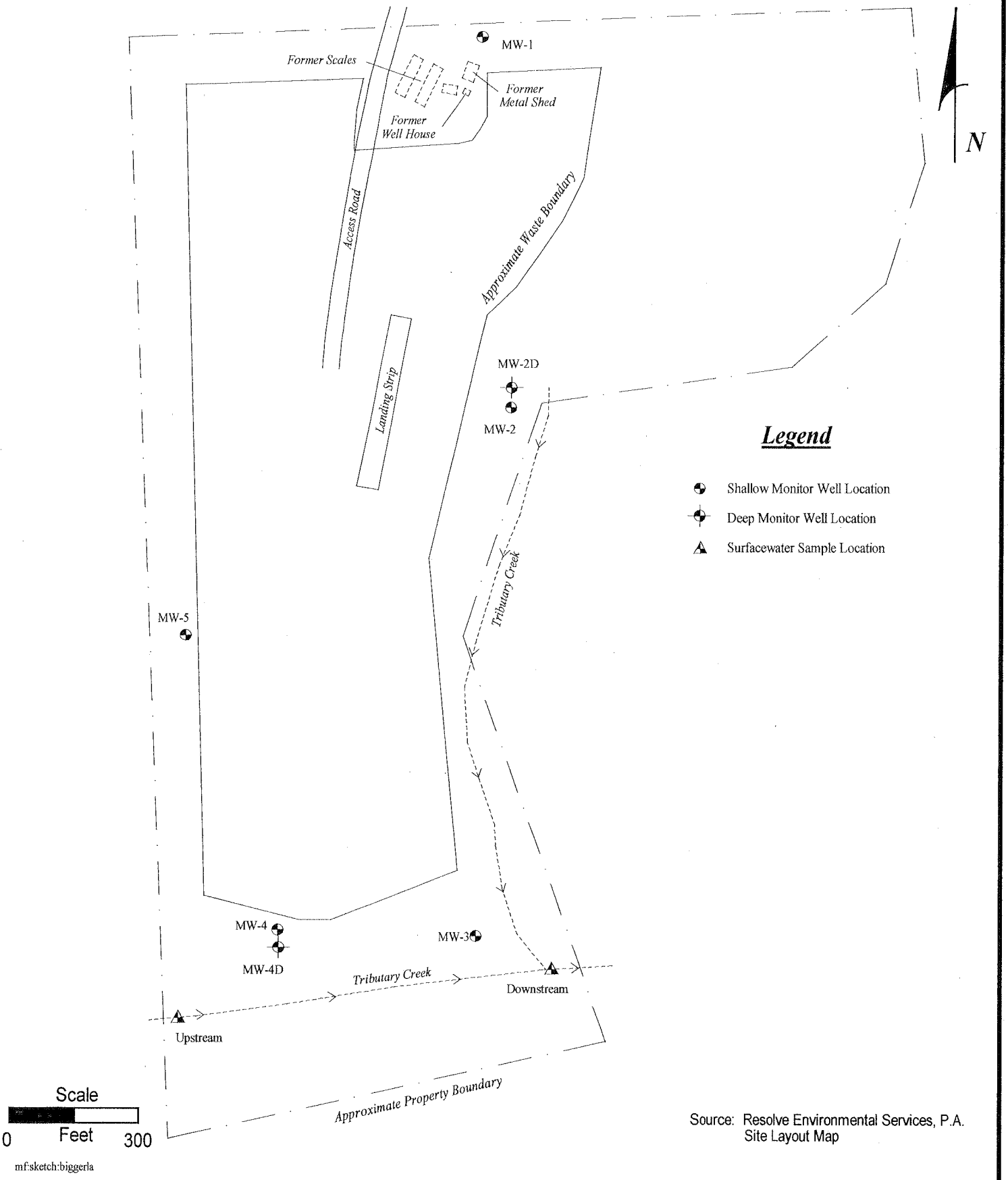
rk:reports:biggerstaffrpt..608

FIGURES



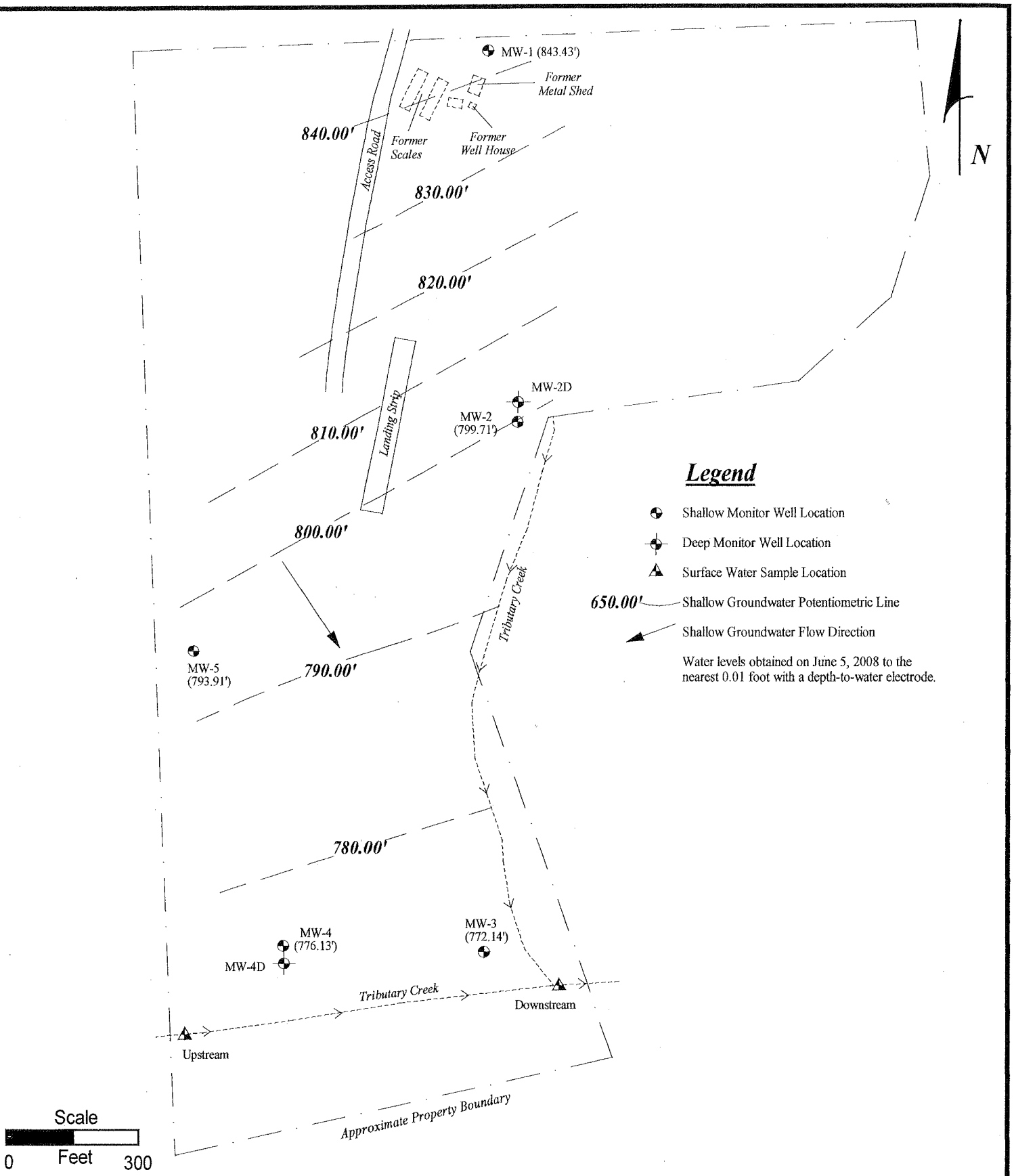
Source: United States Geological Survey, 1993 Bessemer City, North Carolina Quadrangle

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

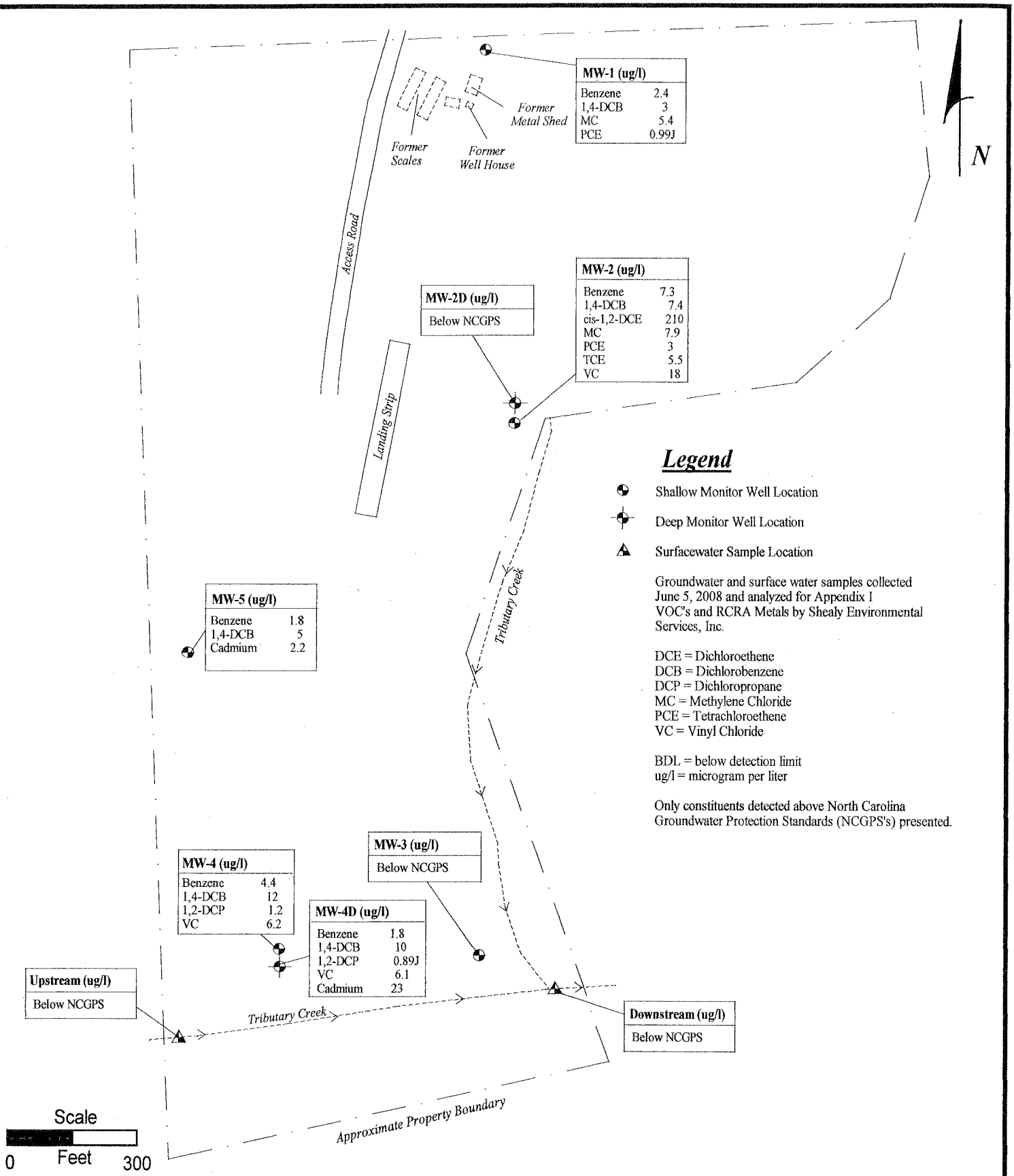


Source: Resolve Environmental Services, P.A. Site Layout Map

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 First Semi-Annual 2008



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

TABLES

TABLE 1
GROUNDWATER GAUGING DATA
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 5, 2008

Well ID	*TD BTOC (ft)*	*TOC Elevation (ft)*	*DTW BTOC (ft)*	*DTW Elevation (ft)*
MW-1	33.20	872.88	29.45	843.43
MW-2	18.00	811.01	11.30	799.71
MW-2D	45.00	812.48	10.50	801.98
MW-3	18.10	781.76	9.62	772.14
MW-4	18.50	786.22	10.05	776.17
MW-4D	45.00	784.55	8.42	776.13
MW-5	33.20	825.72	31.81	793.91

Notes:
Depth to water measurements collected on June 5, 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
JUNE 5, 2008

Well ID	*Field Parameters*		
	pH (standard units)	*K (uS)*	*T (fahrenheit)*
MW-1	6.3	50	70
MW-2	6.0	50	62
MW-2D	7.2	70	65
MW-3	6.6	100	64
MW-4	6.8	460	68
MW-4D	6.5	440	71
MW-5	5.7	140	72
Upstream	7.1	120	76
Downstream	6.8	130	74

Notes:
Field parameters collected on June 5, 2008
SU = standard units
uS = mho's per second
K = conductivity; T = temperature

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 5, 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	BDL	BDL	210	700
Benzene	**2.4**	**7.3**	BDL	BDL	**4.4**	**1.8**	**1.8**	1
Chlorobenzene	0.67J	0.58J	BDL	BDL	8.9	8.8	11	50
Chloroethane	0.73J	0.76J	BDL	BDL	1.8J	BDL	BDL	2,800
1,2-Dichlorobenzene	0.38J	BDL	BDL	BDL	2.8	3.6	0.9J	24
1,4-Dichlorobenzene	**3**	**7.4**	BDL	BDL	**12**	**10**	**5**	1.4
1,1-Dichloroethane	1	5.8	BDL	BDL	6.5	3.4	0.14J	70
cis-1,2-Dichloroethene	6.1	**210**	0.2J	BDL	5.8	13	1.7	70
trans-1,2-Dichloroethene	BDL	0.49J	BDL	BDL	0.21J	BDL	BDL	100
1,2-Dichloropropane	BDL	0.27J	BDL	BDL	**1.2**	**0.89J**	BDL	0.51
4-Methyl-2-Pentanone	BDL	0.45J	BDL	BDL	BDL	BDL	BDL	560
Methylene Chloride	**5.4**	**7.9**	BDL	BDL	BDL	BDL	BDL	4.6
Tetrachloroethene	**0.99J**	**3**	BDL	BDL	BDL	BDL	BDL	0.7
Toluene	BDL	BDL	BDL	BDL	0.55J	0.34J	0.34J	1,000
Trichloroethene	1.2	**5.5**	BDL	BDL	1	1.1	BDL	2.8
Vinyl Chloride	BDL	**18**	BDL	BDL	**6.2**	**6.1**	BDL	0.015
Xylenes	7	3.8	BDL	BDL	BDL	BDL	BDL	530
RCRA Metals								
Arsenic	BDL	BDL	BDL	BDL	19	BDL	5.5	50
Barium	26	110	16J	49	120	120	170	2,000
Cadmium	BDL	0.8J	BDL	1.2J	BDL	**23**	**2.2**	1.75
Lead	BDL	3B	BDL	6.5B	5.3B	3.6B	6.1B	15
Mercury	BDL	BDL	BDL	BDL	BDL	BDL	0.13	1.05
Selenium	2.6J	BDL	3J	2.8J	4.5J	BDL	4.9	50
Silver	BDL	BDL	BDL	BDL	BDL	2.4J	BDL	17.5

Notes:
Groundwater samples were collected on June 5, 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
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
JUNE 5, 2008

Sample ID	*Upstream*	*Downstream*	*NCGPS*
Appendix I VOC's			
Trichloroethene	0.33J	BDL	2.8
RCRA Metals			
Barium	10J	10J	2,000
Selenium	BDL	3.5J	50
Silver	0.71J	0.41J	17.5

Notes:
Surface water samples collected June 5, 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: **JF06052**
Date Completed: **06/12/2008**

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: JF06052

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: JF06052

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-1	Aqueous	06/05/2008 0830	06/06/2008
002	MW-2	Aqueous	06/05/2008 0900	06/06/2008
003	MW-2D	Aqueous	06/05/2008 0930	06/06/2008
004	MW-4	Aqueous	06/05/2008 1115	06/06/2008
005	MW-4D	Aqueous	06/05/2008 1145	06/06/2008
006	MW-5	Aqueous	06/05/2008 1015	06/06/2008
007	MW-3	Aqueous	06/05/2008 1215	06/06/2008
008	UPSTREAM	Aqueous	06/05/2008 1045	06/06/2008
009	DOWNSTREAM	Aqueous	06/05/2008 1300	06/06/2008
010	TRIP BLANK	Aqueous	05/16/2008 0830	06/06/2008

(10 samples)

Executive Summary
Buxton Environmental
Lot Number: JF06052

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-1	Aqueous	Benzene	8260B	2.4		ug/L	6
001	MW-1	Aqueous	Chlorobenzene	8260B	0.67	J	ug/L	6
001	MW-1	Aqueous	Chloroethane	8260B	0.73	J	ug/L	6
001	MW-1	Aqueous	1,2-Dichlorobenzene	8260B	0.38	J	ug/L	6
001	MW-1	Aqueous	1,4-Dichlorobenzene	8260B	3.0		ug/L	6
001	MW-1	Aqueous	1,1-Dichloroethane	8260B	1.0		ug/L	6
001	MW-1	Aqueous	cis-1,2-Dichloroethene	8260B	6.1		ug/L	6
001	MW-1	Aqueous	Methylene chloride	8260B	5.4		ug/L	6
001	MW-1	Aqueous	Tetrachloroethene	8260B	0.99	J	ug/L	6
001	MW-1	Aqueous	Trichloroethene	8260B	1.2		ug/L	6
001	MW-1	Aqueous	Xylenes (total)	8260B	7.0		ug/L	7
001	MW-1	Aqueous	Barium	6010B	0.026		mg/L	8
001	MW-1	Aqueous	Selenium	6010B	0.0026	J	mg/L	8
002	MW-2	Aqueous	Benzene	8260B	7.3		ug/L	9
002	MW-2	Aqueous	Chlorobenzene	8260B	0.58	J	ug/L	9
002	MW-2	Aqueous	Chloroethane	8260B	0.76	J	ug/L	9
002	MW-2	Aqueous	1,4-Dichlorobenzene	8260B	7.4		ug/L	9
002	MW-2	Aqueous	1,1-Dichloroethane	8260B	5.8		ug/L	9
002	MW-2	Aqueous	cis-1,2-Dichloroethene	8260B	210		ug/L	9
002	MW-2	Aqueous	trans-1,2-Dichloroethene	8260B	0.49	J	ug/L	9
002	MW-2	Aqueous	1,2-Dichloropropane	8260B	0.27	J	ug/L	9
002	MW-2	Aqueous	4-Methyl-2-pentanone	8260B	0.45	J	ug/L	9
002	MW-2	Aqueous	Methylene chloride	8260B	7.9		ug/L	9
002	MW-2	Aqueous	Tetrachloroethene	8260B	3.0		ug/L	9
002	MW-2	Aqueous	Trichloroethene	8260B	5.5		ug/L	9
002	MW-2	Aqueous	Vinyl chloride	8260B	18		ug/L	10
002	MW-2	Aqueous	Xylenes (total)	8260B	3.8		ug/L	10
002	MW-2	Aqueous	Barium	6010B	0.11		mg/L	11
002	MW-2	Aqueous	Cadmium	6010B	0.00080	J	mg/L	11
002	MW-2	Aqueous	Lead	6010B	0.0030	B	mg/L	11
003	MW-2D	Aqueous	cis-1,2-Dichloroethene	8260B	0.20	J	ug/L	12
003	MW-2D	Aqueous	Barium	6010B	0.016	J	mg/L	14
003	MW-2D	Aqueous	Selenium	6010B	0.0030	J	mg/L	14
004	MW-4	Aqueous	Benzene	8260B	4.4		ug/L	15
004	MW-4	Aqueous	Chlorobenzene	8260B	8.9		ug/L	15
004	MW-4	Aqueous	Chloroethane	8260B	1.8	J	ug/L	15
004	MW-4	Aqueous	1,2-Dichlorobenzene	8260B	2.8		ug/L	15
004	MW-4	Aqueous	1,4-Dichlorobenzene	8260B	12		ug/L	15
004	MW-4	Aqueous	1,1-Dichloroethane	8260B	6.5		ug/L	15
004	MW-4	Aqueous	cis-1,2-Dichloroethene	8260B	5.8		ug/L	15
004	MW-4	Aqueous	trans-1,2-Dichloroethene	8260B	0.21	J	ug/L	15
004	MW-4	Aqueous	1,2-Dichloropropane	8260B	1.2		ug/L	15
004	MW-4	Aqueous	Toluene	8260B	0.55	J	ug/L	15
004	MW-4	Aqueous	Trichloroethene	8260B	1.0		ug/L	15
004	MW-4	Aqueous	Vinyl chloride	8260B	6.2		ug/L	16

Executive Summary (Continued)

Lot Number: JF06052

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
004	MW-4	Aqueous	Arsenic	6010B	0.019		mg/L	17
004	MW-4	Aqueous	Barium	6010B	0.12		mg/L	17
004	MW-4	Aqueous	Lead	6010B	0.0053	B	mg/L	17
004	MW-4	Aqueous	Selenium	6010B	0.0045	J	mg/L	17
005	MW-4D	Aqueous	Benzene	8260B	1.8		ug/L	18
005	MW-4D	Aqueous	Chlorobenzene	8260B	8.8		ug/L	18
005	MW-4D	Aqueous	1,2-Dichlorobenzene	8260B	3.6		ug/L	18
005	MW-4D	Aqueous	1,4-Dichlorobenzene	8260B	10		ug/L	18
005	MW-4D	Aqueous	1,1-Dichloroethane	8260B	3.4		ug/L	18
005	MW-4D	Aqueous	cis-1,2-Dichloroethene	8260B	13		ug/L	18
005	MW-4D	Aqueous	1,2-Dichloropropane	8260B	0.89	J	ug/L	18
005	MW-4D	Aqueous	Toluene	8260B	0.34	J	ug/L	18
005	MW-4D	Aqueous	Trichloroethene	8260B	1.1		ug/L	18
005	MW-4D	Aqueous	Vinyl chloride	8260B	6.1		ug/L	19
005	MW-4D	Aqueous	Barium	6010B	0.12		mg/L	20
005	MW-4D	Aqueous	Cadmium	6010B	0.023		mg/L	20
005	MW-4D	Aqueous	Lead	6010B	0.0036	B	mg/L	20
005	MW-4D	Aqueous	Silver	6010B	0.0024	J	mg/L	20
006	MW-5	Aqueous	Acetone	8260B	210		ug/L	21
006	MW-5	Aqueous	Benzene	8260B	1.8		ug/L	21
006	MW-5	Aqueous	Chlorobenzene	8260B	11		ug/L	21
006	MW-5	Aqueous	1,2-Dichlorobenzene	8260B	0.90	J	ug/L	21
006	MW-5	Aqueous	1,4-Dichlorobenzene	8260B	5.0		ug/L	21
006	MW-5	Aqueous	1,1-Dichloroethane	8260B	0.14	J	ug/L	21
006	MW-5	Aqueous	cis-1,2-Dichloroethene	8260B	1.7		ug/L	21
006	MW-5	Aqueous	Toluene	8260B	0.34	J	ug/L	21
006	MW-5	Aqueous	Arsenic	6010B	0.0055		mg/L	23
006	MW-5	Aqueous	Barium	6010B	0.17		mg/L	23
006	MW-5	Aqueous	Cadmium	6010B	0.0022		mg/L	23
006	MW-5	Aqueous	Lead	6010B	0.0061	B	mg/L	23
006	MW-5	Aqueous	Mercury	7470A	0.00013		mg/L	23
006	MW-5	Aqueous	Selenium	6010B	0.0049	J	mg/L	23
007	MW-3	Aqueous	Barium	6010B	0.049		mg/L	26
007	MW-3	Aqueous	Cadmium	6010B	0.0012	J	mg/L	26
007	MW-3	Aqueous	Lead	6010B	0.0065	B	mg/L	26
007	MW-3	Aqueous	Selenium	6010B	0.0028	J	mg/L	26
008	UPSTREAM	Aqueous	Trichloroethene	8260B	0.33	J	ug/L	27
008	UPSTREAM	Aqueous	Barium	6010B	0.010	J	mg/L	29
008	UPSTREAM	Aqueous	Silver	6010B	0.00071	J	mg/L	29
009	DOWNSTREAM	Aqueous	Barium	6010B	0.010	J	mg/L	32
009	DOWNSTREAM	Aqueous	Selenium	6010B	0.0035	J	mg/L	32
009	DOWNSTREAM	Aqueous	Silver	6010B	0.00041	J	mg/L	32

(87 detections)

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental** | Laboratory ID: **JF06052-001**
Description: **MW-1** | Matrix: **Aqueous**
Date Sampled: **06/05/2008 0830**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1518	DLB		80112

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**	**2.4**		**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**	**0.67**	**J**	**1.0**	**0.33**	**ug/L**	**1**
Chloroethane	**75-00-3**	**8260B**	**0.73**	**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**	**0.38**	**J**	**1.0**	**0.33**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**3.0**		**1.0**	**0.33**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**1.0**		**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**	**6.1**		**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**	**5.4**		**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**	**0.99**	**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**	**1.2**		**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: **06/05/2008 0830**
Date Received: **06/06/2008**

Laboratory ID: **JF06052-001**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1518	DLB		80112

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**	**7.0**		**1.0**	**0.33**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		102	70-130

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

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

RCRA Metals

Client: **Buxton Environmental**
Laboratory ID: **JF06052-001**
Description: **MW-1**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 0830**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/10/2008 1529	FLW	06/09/2008 1945	80094
1	3005A	6010B	1	06/09/2008 1929	MNM	06/09/2008 1007	80032
3	3005A	6010B	1	06/11/2008 2108	MNM	06/09/2008 1007	80032

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**	**0.026**		**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	3
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	**7782-49-2**	**6010B**	**0.0026**	**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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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

Laboratory ID: **JF06052-002**

Client: **Buxton Environmental**

Matrix: **Aqueous**

Description: **MW-2**

Date Sampled: **06/05/2008 0900**

Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1540	DLB		80112

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**	**7.3**		**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**	**0.58**	**J**	**1.0**	**0.33**	**ug/L**	**1**
Chloroethane	**75-00-3**	**8260B**	**0.76**	**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**	**7.4**		**1.0**	**0.33**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**5.8**		**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**	**210**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	**156-60-5**	**8260B**	**0.49**	**J**	**1.0**	**0.20**	**ug/L**	**1**
1,2-Dichloropropane	**78-87-5**	**8260B**	**0.27**	**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**	**0.45**	**J**	**10**	**0.31**	**ug/L**	**1**
Methylene chloride	**75-09-2**	**8260B**	**7.9**		**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**	**3.0**		**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**	**5.5**		**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

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Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **MW-2**
Date Sampled: **06/05/2008 0900**
Date Received: **06/06/2008**

Laboratory ID: **JF06052-002**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1540	DLB		80112

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**	**18**		**1.0**	**0.054**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**3.8**		**1.0**	**0.33**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		107	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: **JF06052-002**
Description: **MW-2**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 0900**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/10/2008 1533	FLW	06/09/2008 1945	80094
1	3005A	6010B	1	06/09/2008 1936	MNM	06/09/2008 1007	80032
2	3005A	6010B	1	06/10/2008 1718	MNM	06/09/2008 1007	80032

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**	**0.11**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.00080**	**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**	**0.0030**	**B**	**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	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: **JF06052-003**
Description: **MW-2D**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 0930**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1601	DLB		80112

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**	**0.20**	**J**	**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	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: **JF06052-003**
Description: **MW-2D**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 0930**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1601	DLB		80112

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

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		106	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: **JF06052-003**
Description: **MW-2D**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 0930**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/10/2008 1535	FLW	06/09/2008 1945	80094
1	3005A	6010B	1	06/09/2008 1957	MNM	06/09/2008 1007	80032
3	3005A	6010B	1	06/11/2008 2112	MNM	06/09/2008 1007	80032

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**	**0.016**	**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	3
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

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: **JF06052-007**
Description: **MW-3**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 1215**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1749	DLB		80112

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
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: **JF06052-007**
Description: **MW-3**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 1215**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1749	DLB		80112

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		92	70-130
Bromofluorobenzene		94	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

RCRA Metals

Client: **Buxton Environmental**
Laboratory ID: **JF06052-007**
Description: **MW-3**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 1215**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/10/2008 1539	FLW	06/09/2008 1945	80094
1	3005A	6010B	1	06/09/2008 2024	MNM	06/09/2008 1007	80032
3	3005A	6010B	1	06/11/2008 2124	MNM	06/09/2008 1007	80032

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**	**0.049**		**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**	**0.0065**	**B**	**0.0030**	**0.0019**	**mg/L**	**3**
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	**7782-49-2**	**6010B**	**0.0028**	**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: **JF06052-004**
Description: **MW-4**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 1115**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1623	DLB		80112

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**	**4.4**		**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**	**8.9**		**1.0**	**0.33**	**ug/L**	**1**
Chloroethane	**75-00-3**	**8260B**	**1.8**	**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**	**2.8**		**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**	**6.5**		**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**	**5.8**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	**156-60-5**	**8260B**	**0.21**	**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**	**0.55**	**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**	**1.0**		**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: **JF06052-004**
Description: **MW-4**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 1115**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1623	DLB		80112

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**	**6.2**		**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		93	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		103	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: **JF06052-004**
Description: **MW-4**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 1115**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/10/2008 1536	FLW	06/09/2008 1945	80094
1	3005A	6010B	1	06/09/2008 2003	MNM	06/09/2008 1007	80032
2	3005A	6010B	1	06/10/2008 1734	MNM	06/09/2008 1007	80032
3	3005A	6010B	1	06/11/2008 2116	MNM	06/09/2008 1007	80032

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.019**		**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	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**	**0.0053**	**B**	**0.0030**	**0.0019**	**mg/L**	**3**
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	**7782-49-2**	**6010B**	**0.0045**	**J**	**0.0050**	**0.0026**	**mg/L**	**2**
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: **JF06052-005**
Description: **MW-4D**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 1145**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1706	DLB		80112

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	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**	**3.6**		**1.0**	**0.33**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**10**		**1.0**	**0.33**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**3.4**		**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**	**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**	**0.89**	**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**	**0.34**	**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**	**1.1**		**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

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Laboratory ID: **JF06052-005**
Description: **MW-4D**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 1145**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1706	DLB		80112

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**	**6.1**		**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		96	70-130
Bromofluorobenzene		98	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: **JF06052-005**
Description: **MW-4D**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 1145**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/10/2008 1537	FLW	06/09/2008 1945	80094
1	3005A	6010B	1	06/09/2008 2010	MNM	06/09/2008 1007	80032
2	3005A	6010B	1	06/10/2008 1738	MNM	06/09/2008 1007	80032

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**	**0.12**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.023**		**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**	**0.0036**	**B**	**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	ND		0.0050	0.0026	mg/L	1
Silver	**7440-22-4**	**6010B**	**0.0024**	**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
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: **JF06052-006**
Description: **MW-5** | Matrix: **Aqueous**
Date Sampled: **06/05/2008 1015**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1727	DLB		80112

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**210**		**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**	**11**		**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**	**0.90**	**J**	**1.0**	**0.33**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**5.0**		**1.0**	**0.33**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**0.14**	**J**	**1.0**	**0.13**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**1.7**		**1.0**	**0.12**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	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**	**0.34**	**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: **JF06052-006**
Description: **MW-5**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 1015**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1727	DLB		80112

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

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		103	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: **JF06052-006**
Description: **MW-5**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 1015**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/10/2008 1538	FLW	06/09/2008 1945	80094
1	3005A	6010B	1	06/09/2008 2017	MNM	06/09/2008 1007	80032
2	3005A	6010B	1	06/10/2008 1742	MNM	06/09/2008 1007	80032
3	3005A	6010B	1	06/11/2008 2120	MNM	06/09/2008 1007	80032

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.0055**		**0.0050**	**0.0040**	**mg/L**	**2**
Barium	**7440-39-3**	**6010B**	**0.17**		**0.025**	**0.0075**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.0022**		**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**	**0.0061**	**B**	**0.0030**	**0.0019**	**mg/L**	**3**
Mercury	**7439-97-6**	**7470A**	**0.00013**		**0.00010**	**0.000053**	**mg/L**	**1**
Selenium	**7782-49-2**	**6010B**	**0.0049**	**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: **JF06052-008**
Description: **UPSTREAM**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 1045**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 2056	DLB		80117

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**	**0.33**	**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: **JF06052-008**
Description: **UPSTREAM**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 1045**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 2056	DLB		80117

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

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		96	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**
Description: **UPSTREAM**
Date Sampled: **06/05/2008 1045**
Date Received: **06/06/2008**

Laboratory ID: **JF06052-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/10/2008 1546	FLW	06/09/2008 1945	80095
1	3005A	6010B	1	06/09/2008 2031	MNM	06/09/2008 1007	80032
3	3005A	6010B	1	06/11/2008 2128	MNM	06/09/2008 1007	80032

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	ND		0.0030	0.0019	mg/L	3
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**	**0.00071**	**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
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: **JF06052-009**
Description: **DOWNSTREAM**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 1300**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 2118	DLB		80117

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
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: **JF06052-009**
Description: **DOWNSTREAM**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 1300**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 2118	DLB		80117

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		94	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		102	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: **JF06052-009**
Description: **DOWNSTREAM**
Matrix: **Aqueous**
Date Sampled: **06/05/2008 1300**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/10/2008 1547	FLW	06/09/2008 1945	80095
1	3005A	6010B	1	06/09/2008 2038	MNM	06/09/2008 1007	80032
3	3005A	6010B	1	06/11/2008 2132	MNM	06/09/2008 1007	80032

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	ND		0.0030	0.0019	mg/L	3
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	**7782-49-2**	**6010B**	**0.0035**	**J**	**0.0050**	**0.0026**	**mg/L**	**1**
Silver	**7440-22-4**	**6010B**	**0.00041**	**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
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: **JF06052-010**
Description: **TRIP BLANK**
Matrix: **Aqueous**
Date Sampled: **05/16/2008 0830**
Date Received: **06/06/2008**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 2139	DLB		80117

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
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: **TRIP BLANK**
Date Sampled: **05/16/2008 0830**
Date Received: **06/06/2008**

Laboratory ID: **JF06052-010**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 2139	DLB		80117

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		92	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		102	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

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: JQ80112-001
Batch: 80112
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	06/09/2008 1018
Acrylonitrile	ND		1	20	1.2	ug/L	06/09/2008 1018
Benzene	ND		1	1.0	0.13	ug/L	06/09/2008 1018
Bromochloromethane	ND		1	1.0	0.16	ug/L	06/09/2008 1018
Bromodichloromethane	ND		1	1.0	0.33	ug/L	06/09/2008 1018
Bromoform	ND		1	1.0	0.66	ug/L	06/09/2008 1018
Bromomethane (Methyl bromide)	ND		1	2.0	0.81	ug/L	06/09/2008 1018
2-Butanone (MEK)	ND		1	10	2.0	ug/L	06/09/2008 1018
Carbon disulfide	ND		1	1.0	0.097	ug/L	06/09/2008 1018
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	06/09/2008 1018
Chlorobenzene	ND		1	1.0	0.33	ug/L	06/09/2008 1018
Chloroethane	ND		1	2.0	0.47	ug/L	06/09/2008 1018
Chloroform	ND		1	1.0	0.33	ug/L	06/09/2008 1018
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	06/09/2008 1018
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	0.60	ug/L	06/09/2008 1018
Dibromochloromethane	ND		1	1.0	0.33	ug/L	06/09/2008 1018
1,2-Dibromoethane (EDB)	ND		1	1.0	0.30	ug/L	06/09/2008 1018
Dibromomethane (Methylene bromide)	ND		1	1.0	0.35	ug/L	06/09/2008 1018
trans-1,4-Dichloro-2-butene	ND		1	2.0	0.83	ug/L	06/09/2008 1018
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	06/09/2008 1018
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	06/09/2008 1018
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	06/09/2008 1018
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	06/09/2008 1018
trans-1,2-Dichloroethene	ND		1	1.0	0.20	ug/L	06/09/2008 1018
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	06/09/2008 1018
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	06/09/2008 1018
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	06/09/2008 1018
trans-1,3-Dichloropropene	ND		1	1.0	0.10	ug/L	06/09/2008 1018
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	06/09/2008 1018
Ethylbenzene	ND		1	1.0	0.33	ug/L	06/09/2008 1018
2-Hexanone	ND		1	10	0.27	ug/L	06/09/2008 1018
Methyl iodide (Iodomethane)	ND		1	5.0	1.2	ug/L	06/09/2008 1018
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	06/09/2008 1018
Methylene chloride	ND		1	1.0	0.33	ug/L	06/09/2008 1018
Styrene	ND		1	1.0	0.12	ug/L	06/09/2008 1018
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	06/09/2008 1018
1,1,1,2-Tetrachloroethane	ND		1	1.0	0.20	ug/L	06/09/2008 1018
Tetrachloroethene	ND		1	1.0	0.13	ug/L	06/09/2008 1018
Toluene	ND		1	1.0	0.33	ug/L	06/09/2008 1018
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	06/09/2008 1018
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	06/09/2008 1018
Trichloroethene	ND		1	1.0	0.18	ug/L	06/09/2008 1018
Trichlorofluoromethane	ND		1	1.0	0.30	ug/L	06/09/2008 1018
1,2,3-Trichloropropane	ND		1	1.0	0.33	ug/L	06/09/2008 1018

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: JQ80112-001
Batch: 80112
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Vinyl acetate	ND		1	5.0	1.3	ug/L	06/09/2008 1018
Vinyl chloride	ND		1	1.0	0.054	ug/L	06/09/2008 1018
Xylenes (total)	ND		1	1.0	0.33	ug/L	06/09/2008 1018

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: JQ80112-002
Batch: 80112
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	93		1	93	46-153	06/09/2008 0913
Acrylonitrile	100	100		1	105	70-122	06/09/2008 0913
Benzene	50	50		1	100	72-127	06/09/2008 0913
Bromochloromethane	50	53		1	106	70-130	06/09/2008 0913
Bromodichloromethane	50	52		1	104	71-143	06/09/2008 0913
Bromoform	50	55		1	110	65-131	06/09/2008 0913
Bromomethane (Methyl bromide)	50	55		1	110	36-168	06/09/2008 0913
2-Butanone (MEK)	100	100		1	105	60-140	06/09/2008 0913
Carbon disulfide	50	55		1	110	60-140	06/09/2008 0913
Carbon tetrachloride	50	57		1	114	37-166	06/09/2008 0913
Chlorobenzene	50	50		1	101	78-129	06/09/2008 0913
Chloroethane	50	54		1	108	42-163	06/09/2008 0913
Chloroform	50	50		1	101	63-123	06/09/2008 0913
Chloromethane (Methyl chloride)	50	57		1	114	20-158	06/09/2008 0913
1,2-Dibromo-3-chloropropane (DBCP)	50	54		1	107	70-130	06/09/2008 0913
Dibromochloromethane	50	53		1	106	74-134	06/09/2008 0913
1,2-Dibromoethane (EDB)	50	50		1	101	70-130	06/09/2008 0913
Dibromomethane (Methylene bromide)	50	51		1	102	70-130	06/09/2008 0913
trans-1,4-Dichloro-2-butene	50	54		1	107	70-130	06/09/2008 0913
1,4-Dichlorobenzene	50	50		1	100	70-130	06/09/2008 0913
1,2-Dichlorobenzene	50	50		1	100	70-130	06/09/2008 0913
1,2-Dichloroethane	50	51		1	102	59-143	06/09/2008 0913
1,1-Dichloroethane	50	52		1	104	69-132	06/09/2008 0913
trans-1,2-Dichloroethene	50	53		1	106	67-141	06/09/2008 0913
cis-1,2-Dichloroethene	50	52		1	103	70-130	06/09/2008 0913
1,1-Dichloroethene	50	53		1	106	50-132	06/09/2008 0913
1,2-Dichloropropane	50	50		1	100	71-126	06/09/2008 0913
trans-1,3-Dichloropropene	50	53		1	106	73-131	06/09/2008 0913
cis-1,3-Dichloropropene	50	54		1	108	69-130	06/09/2008 0913
Ethylbenzene	50	51		1	103	79-132	06/09/2008 0913
2-Hexanone	100	100		1	100	60-140	06/09/2008 0913
Methyl iodide (Iodomethane)	50	54		1	108	70-130	06/09/2008 0913
4-Methyl-2-pentanone	100	100		1	100	60-140	06/09/2008 0913
Methylene chloride	50	47		1	94	69-129	06/09/2008 0913
Styrene	50	53		1	106	70-130	06/09/2008 0913
1,1,2,2-Tetrachloroethane	50	51		1	103	60-155	06/09/2008 0913
1,1,1,2-Tetrachloroethane	50	52		1	104	70-130	06/09/2008 0913
Tetrachloroethene	50	53		1	106	74-128	06/09/2008 0913
Toluene	50	52		1	103	75-125	06/09/2008 0913
1,1,2-Trichloroethane	50	49		1	99	77-132	06/09/2008 0913
1,1,1-Trichloroethane	50	54		1	108	77-132	06/09/2008 0913
Trichloroethene	50	51		1	102	73-124	06/09/2008 0913
Trichlorofluoromethane	50	60		1	120	41-173	06/09/2008 0913
1,2,3-Trichloropropane	50	49		1	99	70-130	06/09/2008 0913

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: JQ80112-002
Batch: 80112
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl acetate	50	52		1	104	60-140	06/09/2008 0913
Vinyl chloride	50	58		1	117	29-159	06/09/2008 0913
Xylenes (total)	100	100		1	105	70-130	06/09/2008 0913

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: JQ80112-003
Batch: 80112
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	97		1	97	3.6	46-153	20	06/09/2008 0935
Acrylonitrile	100	110		1	111	5.2	70-122	20	06/09/2008 0935
Benzene	50	55		1	109	8.8	72-127	20	06/09/2008 0935
Bromochloromethane	50	58		1	116	9.2	70-130	20	06/09/2008 0935
Bromodichloromethane	50	56		1	113	8.2	71-143	20	06/09/2008 0935
Bromoform	50	58		1	117	5.7	65-131	20	06/09/2008 0935
Bromomethane (Methyl bromide)	50	60		1	120	8.8	36-168	20	06/09/2008 0935
2-Butanone (MEK)	100	110		1	111	5.7	60-140	20	06/09/2008 0935
Carbon disulfide	50	59		1	118	6.8	60-140	20	06/09/2008 0935
Carbon tetrachloride	50	61		1	122	6.5	37-166	20	06/09/2008 0935
Chlorobenzene	50	54		1	108	7.3	78-129	20	06/09/2008 0935
Chloroethane	50	57		1	114	5.9	42-163	20	06/09/2008 0935
Chloroform	50	55		1	111	9.5	63-123	20	06/09/2008 0935
Chloromethane (Methyl chloride)	50	61		1	123	7.4	20-158	20	06/09/2008 0935
1,2-Dibromo-3-chloropropane (DBCP)	50	55		1	110	2.3	70-130	20	06/09/2008 0935
Dibromochloromethane	50	57		1	114	7.2	74-134	20	06/09/2008 0935
1,2-Dibromoethane (EDB)	50	55		1	109	8.1	70-130	20	06/09/2008 0935
Dibromomethane (Methylene bromide)	50	55		1	110	7.9	70-130	20	06/09/2008 0935
trans-1,4-Dichloro-2-butene	50	58		1	116	7.8	70-130	20	06/09/2008 0935
1,4-Dichlorobenzene	50	52		1	105	5.3	70-130	20	06/09/2008 0935
1,2-Dichlorobenzene	50	54		1	108	7.0	70-130	20	06/09/2008 0935
1,2-Dichloroethane	50	54		1	109	6.6	59-143	20	06/09/2008 0935
1,1-Dichloroethane	50	56		1	112	7.1	69-132	20	06/09/2008 0935
trans-1,2-Dichloroethene	50	57		1	115	8.2	67-141	20	06/09/2008 0935
cis-1,2-Dichloroethene	50	56		1	112	7.9	70-130	20	06/09/2008 0935
1,1-Dichloroethene	50	56		1	113	6.7	50-132	20	06/09/2008 0935
1,2-Dichloropropane	50	55		1	110	8.8	71-126	20	06/09/2008 0935
trans-1,3-Dichloropropene	50	58		1	115	8.3	73-131	20	06/09/2008 0935
cis-1,3-Dichloropropene	50	58		1	116	7.3	69-130	20	06/09/2008 0935
Ethylbenzene	50	56		1	112	8.9	79-132	20	06/09/2008 0935
2-Hexanone	100	100		1	104	4.7	60-140	20	06/09/2008 0935
Methyl iodide (Iodomethane)	50	58		1	116	7.1	70-130	20	06/09/2008 0935
4-Methyl-2-pentanone	100	100		1	106	5.9	60-140	20	06/09/2008 0935
Methylene chloride	50	51		1	102	8.1	69-129	20	06/09/2008 0935
Styrene	50	58		1	116	8.6	70-130	20	06/09/2008 0935
1,1,2,2-Tetrachloroethane	50	54		1	108	4.7	60-155	20	06/09/2008 0935
1,1,1,2-Tetrachloroethane	50	57		1	114	9.0	70-130	20	06/09/2008 0935
Tetrachloroethene	50	58		1	116	8.9	74-128	20	06/09/2008 0935
Toluene	50	56		1	113	8.8	75-125	20	06/09/2008 0935
1,1,2-Trichloroethane	50	53		1	106	7.1	77-132	20	06/09/2008 0935
1,1,1-Trichloroethane	50	58		1	116	7.8	77-132	20	06/09/2008 0935
Trichloroethene	50	55		1	110	8.3	73-124	20	06/09/2008 0935
Trichlorofluoromethane	50	64		1	127	5.6	41-173	20	06/09/2008 0935
1,2,3-Trichloropropane	50	54		1	107	8.0	70-130	20	06/09/2008 0935

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: JQ80112-003
Batch: 80112
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Vinyl acetate	50	54		1	109	5.0	60-140	20	06/09/2008 0935
Vinyl chloride	50	63		1	126	7.4	29-159	20	06/09/2008 0935
Xylenes (total)	100	110		1	115	8.6	70-130	20	06/09/2008 0935

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: JQ80117-001
Batch: 80117
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	06/09/2008 2035
Acrylonitrile	ND		1	20	1.2	ug/L	06/09/2008 2035
Benzene	ND		1	1.0	0.13	ug/L	06/09/2008 2035
Bromochloromethane	ND		1	1.0	0.16	ug/L	06/09/2008 2035
Bromodichloromethane	ND		1	1.0	0.33	ug/L	06/09/2008 2035
Bromoform	ND		1	1.0	0.66	ug/L	06/09/2008 2035
Bromomethane (Methyl bromide)	ND		1	2.0	0.81	ug/L	06/09/2008 2035
2-Butanone (MEK)	ND		1	10	2.0	ug/L	06/09/2008 2035
Carbon disulfide	ND		1	1.0	0.097	ug/L	06/09/2008 2035
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	06/09/2008 2035
Chlorobenzene	ND		1	1.0	0.33	ug/L	06/09/2008 2035
Chloroethane	ND		1	2.0	0.47	ug/L	06/09/2008 2035
Chloroform	ND		1	1.0	0.33	ug/L	06/09/2008 2035
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	06/09/2008 2035
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	0.60	ug/L	06/09/2008 2035
Dibromochloromethane	ND		1	1.0	0.33	ug/L	06/09/2008 2035
1,2-Dibromoethane (EDB)	ND		1	1.0	0.30	ug/L	06/09/2008 2035
Dibromomethane (Methylene bromide)	ND		1	1.0	0.35	ug/L	06/09/2008 2035
trans-1,4-Dichloro-2-butene	ND		1	2.0	0.83	ug/L	06/09/2008 2035
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	06/09/2008 2035
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	06/09/2008 2035
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	06/09/2008 2035
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	06/09/2008 2035
trans-1,2-Dichloroethene	ND		1	1.0	0.20	ug/L	06/09/2008 2035
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	06/09/2008 2035
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	06/09/2008 2035
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	06/09/2008 2035
trans-1,3-Dichloropropene	ND		1	1.0	0.10	ug/L	06/09/2008 2035
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	06/09/2008 2035
Ethylbenzene	ND		1	1.0	0.33	ug/L	06/09/2008 2035
2-Hexanone	ND		1	10	0.27	ug/L	06/09/2008 2035
Methyl iodide (Iodomethane)	ND		1	5.0	1.2	ug/L	06/09/2008 2035
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	06/09/2008 2035
Methylene chloride	ND		1	1.0	0.33	ug/L	06/09/2008 2035
Styrene	ND		1	1.0	0.12	ug/L	06/09/2008 2035
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	06/09/2008 2035
1,1,1,2-Tetrachloroethane	ND		1	1.0	0.20	ug/L	06/09/2008 2035
Tetrachloroethene	ND		1	1.0	0.13	ug/L	06/09/2008 2035
Toluene	ND		1	1.0	0.33	ug/L	06/09/2008 2035
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	06/09/2008 2035
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	06/09/2008 2035
Trichloroethene	ND		1	1.0	0.18	ug/L	06/09/2008 2035
Trichlorofluoromethane	ND		1	1.0	0.30	ug/L	06/09/2008 2035
1,2,3-Trichloropropane	ND		1	1.0	0.33	ug/L	06/09/2008 2035

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: JQ80117-001
Batch: 80117
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Vinyl acetate	ND		1	5.0	1.3	ug/L	06/09/2008 2035
Vinyl chloride	ND		1	1.0	0.054	ug/L	06/09/2008 2035
Xylenes (total)	ND		1	1.0	0.33	ug/L	06/09/2008 2035

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: JQ80117-002
Batch: 80117
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	99		1	99	46-153	06/09/2008 1928
Acrylonitrile	100	110		1	107	70-122	06/09/2008 1928
Benzene	50	49		1	98	72-127	06/09/2008 1928
Bromochloromethane	50	53		1	107	70-130	06/09/2008 1928
Bromodichloromethane	50	51		1	102	71-143	06/09/2008 1928
Bromoform	50	51		1	103	65-131	06/09/2008 1928
Bromomethane (Methyl bromide)	50	54		1	109	36-168	06/09/2008 1928
2-Butanone (MEK)	100	110		1	109	60-140	06/09/2008 1928
Carbon disulfide	50	51		1	102	60-140	06/09/2008 1928
Carbon tetrachloride	50	53		1	106	37-166	06/09/2008 1928
Chlorobenzene	50	48		1	97	78-129	06/09/2008 1928
Chloroethane	50	53		1	106	42-163	06/09/2008 1928
Chloroform	50	50		1	100	63-123	06/09/2008 1928
Chloromethane (Methyl chloride)	50	59		1	118	20-158	06/09/2008 1928
1,2-Dibromo-3-chloropropane (DBCP)	50	53		1	106	70-130	06/09/2008 1928
Dibromochloromethane	50	51		1	103	74-134	06/09/2008 1928
1,2-Dibromoethane (EDB)	50	52		1	104	70-130	06/09/2008 1928
Dibromomethane (Methylene bromide)	50	52		1	104	70-130	06/09/2008 1928
trans-1,4-Dichloro-2-butene	50	40		1	81	70-130	06/09/2008 1928
1,4-Dichlorobenzene	50	47		1	94	70-130	06/09/2008 1928
1,2-Dichlorobenzene	50	49		1	97	70-130	06/09/2008 1928
1,2-Dichloroethane	50	52		1	104	59-143	06/09/2008 1928
1,1-Dichloroethane	50	50		1	101	69-132	06/09/2008 1928
trans-1,2-Dichloroethene	50	50		1	100	67-141	06/09/2008 1928
cis-1,2-Dichloroethene	50	49		1	99	70-130	06/09/2008 1928
1,1-Dichloroethene	50	49		1	99	50-132	06/09/2008 1928
1,2-Dichloropropane	50	50		1	99	71-126	06/09/2008 1928
trans-1,3-Dichloropropene	50	52		1	104	73-131	06/09/2008 1928
cis-1,3-Dichloropropene	50	52		1	104	69-130	06/09/2008 1928
Ethylbenzene	50	50		1	100	79-132	06/09/2008 1928
2-Hexanone	100	110		1	107	60-140	06/09/2008 1928
Methyl iodide (Iodomethane)	50	52		1	103	70-130	06/09/2008 1928
4-Methyl-2-pentanone	100	110		1	106	60-140	06/09/2008 1928
Methylene chloride	50	46		1	92	69-129	06/09/2008 1928
Styrene	50	52		1	105	70-130	06/09/2008 1928
1,1,2,2-Tetrachloroethane	50	51		1	102	60-155	06/09/2008 1928
1,1,1,2-Tetrachloroethane	50	52		1	103	70-130	06/09/2008 1928
Tetrachloroethene	50	51		1	101	74-128	06/09/2008 1928
Toluene	50	50		1	100	75-125	06/09/2008 1928
1,1,2-Trichloroethane	50	50		1	100	77-132	06/09/2008 1928
1,1,1-Trichloroethane	50	51		1	101	77-132	06/09/2008 1928
Trichloroethene	50	49		1	98	73-124	06/09/2008 1928
Trichlorofluoromethane	50	55		1	111	41-173	06/09/2008 1928
1,2,3-Trichloropropane	50	50		1	100	70-130	06/09/2008 1928

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: JQ80117-002
Batch: 80117
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl acetate	50	52		1	103	60-140	06/09/2008 1928
Vinyl chloride	50	57		1	115	29-159	06/09/2008 1928
Xylenes (total)	100	100		1	102	70-130	06/09/2008 1928

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: JQ80117-003
Batch: 80117
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	94		1	94	5.3	46-153	20	06/09/2008 1950
Acrylonitrile	100	100		1	106	1.5	70-122	20	06/09/2008 1950
Benzene	50	48		1	97	1.6	72-127	20	06/09/2008 1950
Bromochloromethane	50	52		1	105	1.4	70-130	20	06/09/2008 1950
Bromodichloromethane	50	50		1	100	1.9	71-143	20	06/09/2008 1950
Bromoform	50	52		1	105	2.0	65-131	20	06/09/2008 1950
Bromomethane (Methyl bromide)	50	53		1	107	1.8	36-168	20	06/09/2008 1950
2-Butanone (MEK)	100	100		1	104	4.1	60-140	20	06/09/2008 1950
Carbon disulfide	50	50		1	100	2.4	60-140	20	06/09/2008 1950
Carbon tetrachloride	50	52		1	104	1.6	37-166	20	06/09/2008 1950
Chlorobenzene	50	48		1	97	0.48	78-129	20	06/09/2008 1950
Chloroethane	50	53		1	107	0.49	42-163	20	06/09/2008 1950
Chloroform	50	50		1	100	0.51	63-123	20	06/09/2008 1950
Chloromethane (Methyl chloride)	50	59		1	118	0.34	20-158	20	06/09/2008 1950
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	101	5.2	70-130	20	06/09/2008 1950
Dibromochloromethane	50	51		1	103	0.32	74-134	20	06/09/2008 1950
1,2-Dibromoethane (EDB)	50	51		1	102	2.0	70-130	20	06/09/2008 1950
Dibromomethane (Methylene bromide)	50	51		1	102	2.4	70-130	20	06/09/2008 1950
trans-1,4-Dichloro-2-butene	50	42		1	83	3.4	70-130	20	06/09/2008 1950
1,4-Dichlorobenzene	50	47		1	95	0.42	70-130	20	06/09/2008 1950
1,2-Dichlorobenzene	50	49		1	99	1.5	70-130	20	06/09/2008 1950
1,2-Dichloroethane	50	52		1	103	0.097	59-143	20	06/09/2008 1950
1,1-Dichloroethane	50	50		1	100	0.84	69-132	20	06/09/2008 1950
trans-1,2-Dichloroethene	50	50		1	101	0.45	67-141	20	06/09/2008 1950
cis-1,2-Dichloroethene	50	50		1	99	0.33	70-130	20	06/09/2008 1950
1,1-Dichloroethene	50	49		1	98	1.0	50-132	20	06/09/2008 1950
1,2-Dichloropropane	50	49		1	98	1.4	71-126	20	06/09/2008 1950
trans-1,3-Dichloropropene	50	51		1	102	1.6	73-131	20	06/09/2008 1950
cis-1,3-Dichloropropene	50	51		1	101	2.3	69-130	20	06/09/2008 1950
Ethylbenzene	50	49		1	99	1.2	79-132	20	06/09/2008 1950
2-Hexanone	100	100		1	102	5.0	60-140	20	06/09/2008 1950
Methyl iodide (Iodomethane)	50	52		1	104	0.92	70-130	20	06/09/2008 1950
4-Methyl-2-pentanone	100	100		1	102	4.4	60-140	20	06/09/2008 1950
Methylene chloride	50	46		1	92	0.36	69-129	20	06/09/2008 1950
Styrene	50	52		1	105	0.078	70-130	20	06/09/2008 1950
1,1,2,2-Tetrachloroethane	50	50		1	101	1.3	60-155	20	06/09/2008 1950
1,1,1,2-Tetrachloroethane	50	51		1	102	1.6	70-130	20	06/09/2008 1950
Tetrachloroethene	50	50		1	100	0.89	74-128	20	06/09/2008 1950
Toluene	50	49		1	98	2.2	75-125	20	06/09/2008 1950
1,1,2-Trichloroethane	50	49		1	99	1.2	77-132	20	06/09/2008 1950
1,1,1-Trichloroethane	50	51		1	102	0.087	77-132	20	06/09/2008 1950
Trichloroethene	50	48		1	96	2.2	73-124	20	06/09/2008 1950
Trichlorofluoromethane	50	52		1	105	5.2	41-173	20	06/09/2008 1950
1,2,3-Trichloropropane	50	50		1	99	1.4	70-130	20	06/09/2008 1950

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: JQ80117-003 **Matrix:** Aqueous
Batch: 80117 **Prep Method:** 5030B
Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Vinyl acetate	50	51		1	102	1.2	60-140	20	06/09/2008 1950
Vinyl chloride	50	57		1	113	1.2	29-159	20	06/09/2008 1950
Xylenes (total)	100	100		1	102	0.13	70-130	20	06/09/2008 1950

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: JQ80032-001
Batch: 80032
Analytical Method: 6010B

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 06/09/2008 1007

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		1	0.0050	0.0040	mg/L	06/09/2008 1723
Barium	ND		1	0.025	0.0075	mg/L	06/09/2008 1723
Cadmium	ND		1	0.0020	0.00060	mg/L	06/09/2008 1723
Chromium	ND		1	0.0050	0.0021	mg/L	06/09/2008 1723
Lead	**0.0022**	**J**	**1**	**0.0030**	**0.0019**	**mg/L**	**06/10/2008 1555**
Selenium	ND		1	0.0050	0.0026	mg/L	06/09/2008 1723
Silver	ND		1	0.0050	0.00040	mg/L	06/09/2008 1723

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: JQ80032-002
Batch: 80032
Analytical Method: 6010B

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 06/09/2008 1007

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	0.40	0.41		1	103	80-120	06/09/2008 1730
Barium	2.0	2.0		1	98	80-120	06/09/2008 1730
Cadmium	0.40	0.40		1	99	80-120	06/09/2008 1730
Chromium	2.0	2.0		1	100	80-120	06/09/2008 1730
Lead	0.40	0.39		1	97	80-120	06/10/2008 1559
Selenium	0.40	0.38		1	95	80-120	06/09/2008 1730
Silver	0.40	0.41		1	103	80-120	06/09/2008 1730

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: JQ80032-003
Batch: 80032
Analytical Method: 6010B

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 06/09/2008 1007

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	0.40	0.40		1	101	1.9	80-120	20	06/09/2008 1737
Barium	2.0	1.9		1	95	3.3	80-120	20	06/09/2008 1737
Cadmium	0.40	0.38		1	96	2.9	80-120	20	06/09/2008 1737
Chromium	2.0	1.9		1	97	3.0	80-120	20	06/09/2008 1737
Lead	0.40	0.40		1	100	2.1	80-120	20	06/10/2008 1603
Selenium	0.40	0.37		1	93	2.2	80-120	20	06/09/2008 1737
Silver	0.40	0.40		1	100	2.6	80-120	20	06/09/2008 1737

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: JQ80094-001
Batch: 80094
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 06/09/2008 1945

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.00010	0.000053	mg/L	06/10/2008 1507

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: JQ80094-002
Batch: 80094
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 06/09/2008 1945

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0020		1	98	85-115	06/10/2008 1508

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: JQ80094-003
Batch: 80094
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 06/09/2008 1945

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0019		1	95	3.5	85-115	20	06/10/2008 1509

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MS

Sample ID: JF06052-001MS
Batch: 80094
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 06/09/2008 1945

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	ND	0.0020	0.0020		1	98	85-115	06/10/2008 1532

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: JQ80095-001
Batch: 80095
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 06/09/2008 1945

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.00010	0.000053	mg/L	06/10/2008 1540

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: JQ80095-002
Batch: 80095
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 06/09/2008 1945

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0020		1	98	85-115	06/10/2008 1541

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: JQ80095-003
Batch: 80095
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 06/09/2008 1945

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0020		1	99	1.5	85-115	20	06/10/2008 1543

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MS

Sample ID: JF06052-009MS
Batch: 80095
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 06/09/2008 1945

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	ND	0.0020	0.0018		1	92	85-115	06/10/2008 1549

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

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

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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 89844

Client: Buxton Environmental	Report to Contact: Ross Klingman	Telephone No. / Fax No. / E-mail: 704-344-1450	Quote No.
Address: 1101 South Blvd Ste 101	Sampler's Signature:	Waybill No.	Page 1 of 1
City: Charlotte; State: NC; Zip Code: 28203	Printed Name:	Analysis (Attach list if more space is needed.)	
Project Name: Gaston Co - Biggerstaff Landfill			
Project No.	P.O. No.		Lot No. JF06052

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Composite	Grab	Aqueous	Solid	Non-Aqueous	Liquids	HCl/SO4	HNO3	H2O	NaOH	Other	Other		APPL VOCS	RCRA metals									Remarks / Cooler I.D.
MW-1	6-5-08	8:30	C		✓											X	X									
MW-2	"	9:00	C		✓											X	X									
MW-2D	"	9:30	C		✓											X	X									
MW-4	"	11:15	C		✓											X	X									
MW-4D	"	11:45	C		✓											X	X									
MW-5	"	10:15	C		✓											X	X									
MW-3	"	12:15	C		✓											X	X									
UPSTREAM	"	10:45	C		✓											X	X									
DOWN STREAM	"	13:00	C		✓											X	X									
TRIP BLANK	5-16-08	16:30	C		✓											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 expected TAT.): ☐ Standard ☐ Rush (Specify) Run T.A.T.

QC Requirements (Specify): Analyze per NEW NC Solid Waste Plan (w/ Low Detects + 8x JF Flags)

	Date	Time		Date	Time
1. Relinquished by:	6-5-08	15:30	1. Received by:	6-5-08	16:00
2. Relinquished by:	6-6-08	14:55	2. Received by:	Date	Time
3. Relinquished by:	Date	Time	3. Laboratory received by:	6/6/08	14:55

Comments:

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

Receipt Temp 2.6 / 2.6 °C

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

Document Number: F-AD-012 Effective Date: 08-04-07

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc
Document Number: F-AD-016
Revision Number: 6

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

Sample Receipt Checklist (SRC)

Client: Buxton Env Cooler Inspected by/date: SKM 6/6/08 Lot #: JFU6052

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 2.6, 2.6 °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/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) 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) -001, -002, . 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: One HCl vial from sample -005 arrived broken

Volatile Organic Compounds by GC/MS

Client: **Buxton Environmental**
Description: **EQUIPMENT BLANK**
Date Sampled: **06/02/2008 1530**
Date Received: **06/03/2008**
Laboratory ID: **JF03053-023**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/05/2008 2209	DLB		79932

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
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: **EQUIPMENT BLANK**
Date Sampled: **06/02/2008 1530**
Date Received: **06/03/2008**

Laboratory ID: **JF03053-023**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/05/2008 2209	DLB		79932

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		112	70-130
Bromofluorobenzene		111	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

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 89839

Client: Boston Environmental, Inc	Report to Contact: Ross Klingman	Telephone No. / Fax No. / E-mail: [illegible]	Quote No.
Address: 1101 South Blvd, Ste 101	Sampler's Signature: X	Waybill No.	Page 3 of 3
City: Charlotte / State: NC / Zip Code: 28203	Printed Name	Analysis (Attach list if more space is needed.)	
Project Name: Gaston Co Landfill			
Project No. / P.O. No.			

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	App I VOCs	Lot No. / Remarks / Cooler I.D.
Equipment Blank	6-2-08	15:50	G	-									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 to new NC solid waste [illegible]

	Date	Time		Date	Time
1. Relinquished by: Ross	6-3-08	8:00	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Laboratory received by		

Comments

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

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

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*	*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	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**	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	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	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	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**	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	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	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	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**	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**	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	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	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	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	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	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	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	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	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	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	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	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*	*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	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**	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	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	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	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**	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	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	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**	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	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	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	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**	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**	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**	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**	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	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	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	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	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	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	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	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	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	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*	*NCGPS*
Appendix I VOC's																	
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3BJ	BDL	700
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.31J	0.2J	70
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.17J	BDL	0.7
RCRA Metals																	
Arsenic	47	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	2,000
Cadmium	**61**	1	1	BDL	BDL	BDL	BDL	BDL	1.1	**3.5**	BDL	1.2	BDL	BDL	BDL	BDL	1.75
Chromium	44	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	15
Mercury	BDL	BDL	0.6	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	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.7J	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*	*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	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	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	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	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	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	70
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	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	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	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	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	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	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	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	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	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*	*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	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**	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	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	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	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**	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	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	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	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	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**	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	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	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	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	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**	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	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	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	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	1.75
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	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	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	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	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	50

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*	*NCGPS*
Appendix I VOC's																	
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3BJ	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
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	50
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.63J	BDL	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	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**	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	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	70
1,2-Dichloropropane	BDL	BDL	BDL	BDL	**1**	**1**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**0.94J**	**0.89J**	0.51
Tolune	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.25J	0.34J	1,000
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	1.1	700
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**	0.015
RCRA Metals																	
Barium	BDL	BDL	108	97	100	110	110	110	120	120	110	120	120	130	130	120	2,000
Cadmium	**9**	**7**	**10**	**14**	**17**	**13**	**33**	**30**	**40**	**30**	**30**	**29**	**110**	**51**	**98**	**23**	1.75
Chromium	BDL	BDL	7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.9J	2.3J	BDL	50
Lead	22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	4.8	3.6B	15
Selenium	BDL	BDL	10	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.1	BDL	2.9J	BDL	BDL	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.9J	0.76J	2.4J	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*	*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	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**	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	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	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	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	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**	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	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	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	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	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	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	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	0.015
Xylenes	26	BDL	BDL	BDL	7	BDL	BDL	BDL	BDL	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	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	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	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**	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	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	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	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	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	50

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
NT = not tested, due to dry conditions
bold and shade denotes above NCGPS
data presented in micrograms per liter (ug/l)
J = estimated result <PQL and >=MDL