SECOND SEMI-ANNUAL 2006
GROUNDWATER AND SURFACE WATER MONITORING EVENT
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA

TABLE OF CONTENTS

1.0	*Introduction*	*1*
2.0	*Background Information*	*1*
3.0	*Groundwater and Surface Water Monitoring Activities*	*2*
4.0	*Groundwater Flow Direction*	*2*
5.0	*Groundwater and Surface Water Analytical Results*	*3*
6.0	*Conclusions*	*3*
7.0	*Recommendations*	*4*

LIST OF FIGURES

1. Site Location Map
2. Site Layout Map
3. Shallow Groundwater Flow
4. Groundwater Analytical Results

LIST OF TABLES

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

APPENDICES

A. Laboratory Data Sheets
B. Historical Groundwater Analytical Results

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1.0 INTRODUCTION

Buxton Environmental, Inc. respectfully submits the methods and results of the second semi-annual 2006 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 groundwater and surface water monitoring activities were conducted in general accordance with the North Carolina Department of Environment and Natural Resources, Solid Waste Management Division (NCSWM) guidelines. 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 Quality Standards (NCGQS).

Due to the presence of target constituents above the NCGQS, 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 NCGQS. During the assessment, a total of 15 water supply wells were identified within a 0.5 mile radius of the former landfill. According to the report, these water supply wells were either located upgradient or across shallow groundwater divides.

3.0 GROUNDWATER AND SURFACE WATER MONITORING ACTIVITIES

On November 29, 2006, Buxton Environmental, Inc. conducted the second semi-annual 2006 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 Cayce, 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 November 29, 2006, shallow groundwater flow at the site 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 0.007 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 vertical 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 second semi-annual 2006 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-3, MW-4, MW-4D and MW-5 indicated the presence of target constituents above the NCGQS, which are summarized below. Groundwater sample MW-1 indicated the presence of 2.7 ug/l benzene, 3.3 ug/l 1,4-dichlorobenzene, 7.3 ug/l methylene chloride and 1.2 ug/l tetrachloroethene. Groundwater sample MW-2 indicated the presence of 3.6 ug/l benzene, 3.8 ug/l 1,4-dichlorobenzene, 290 ug/l cis-1,2-dichloroethene, 1.9 ug/l tetrachloroethene, 4.3 ug/l trichloroethene, 18 ug/l vinyl chloride and 2.6 ug/l cadmium. Groundwater sample MW-3 indicated the presence of 30 ug/l lead. Groundwater sample MW-4 indicated the presence of 1.4 ug/l benzene and 6.7 ug/l vinyl chloride. Groundwater sample MW-4D indicated the presence of 2 ug/l benzene, 10 ug/l 1,4-dichlorobenzene, 5 ug/l vinyl chloride and 110 ug/l cadmium. Groundwater sample MW-5 indicated 3.3 ug/l benzene, 6.5 ug/l 1,4-dichlorobenzene, 7.5 ug/l cadmium and 22 ug/l lead. The remaining groundwater samples did not indicate target constituents above the NCGQS.

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

The equipment blank and trip blank did not indicate target constituents above method detection limits.

6.0 CONCLUSIONS

On May 19, 2006, Buxton Environmental, Inc. conducted the second semi-annual 2006 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-3, MW-4, MW-4D and MW-5 indicated target constituents above the NCGQS.
- Surface water samples collected during the assessment did not indicate target constituents above method detection limits.

7.0 RECOMMENDATIONS

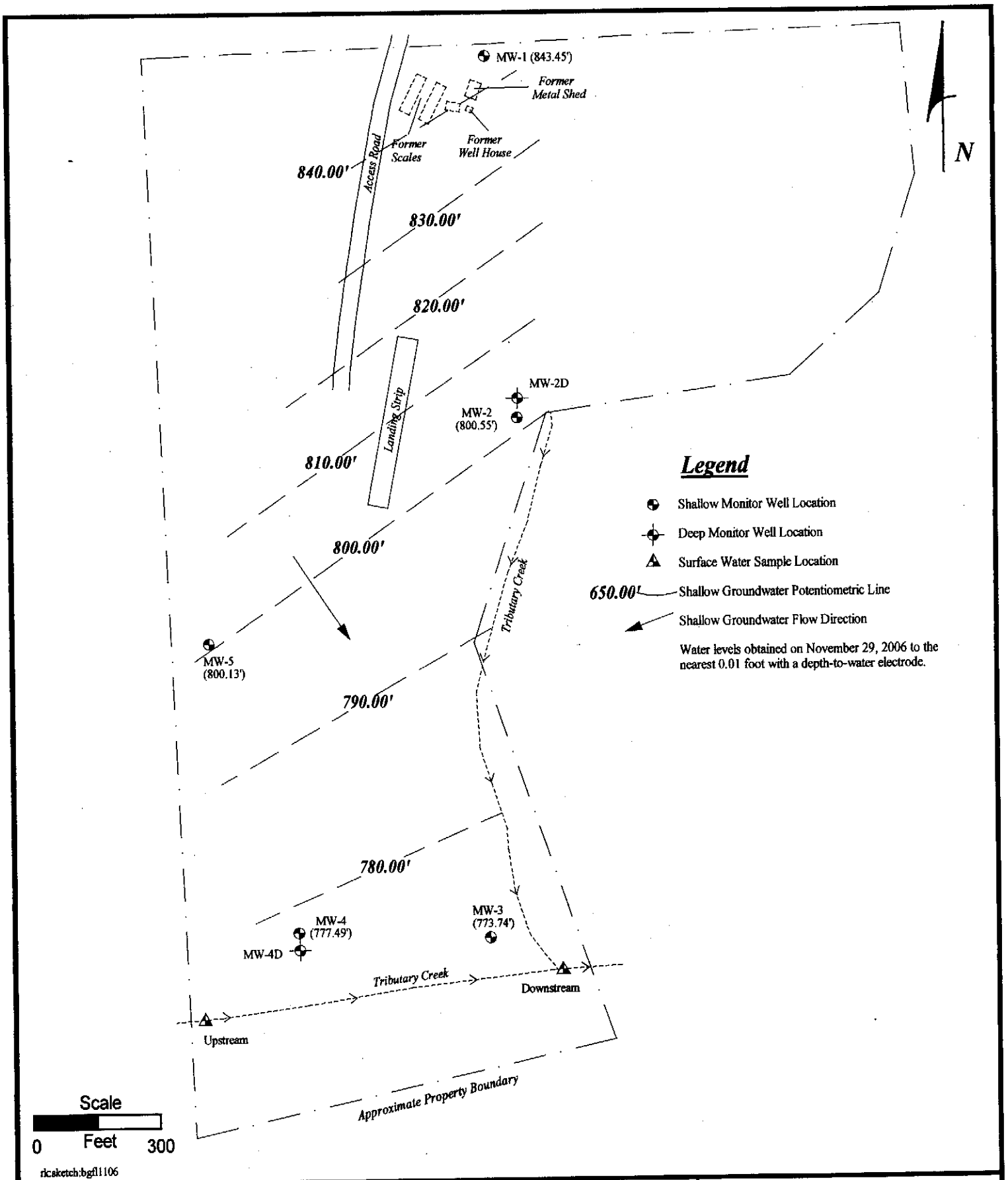
Based on the findings of this assessment, Buxton Environmental, Inc. makes the following recommendations.

- Semi-annual groundwater monitoring should continue to be conducted at the Closed Biggerstaff Landfill. The next sampling event is anticipated to be conducted in May 2007.

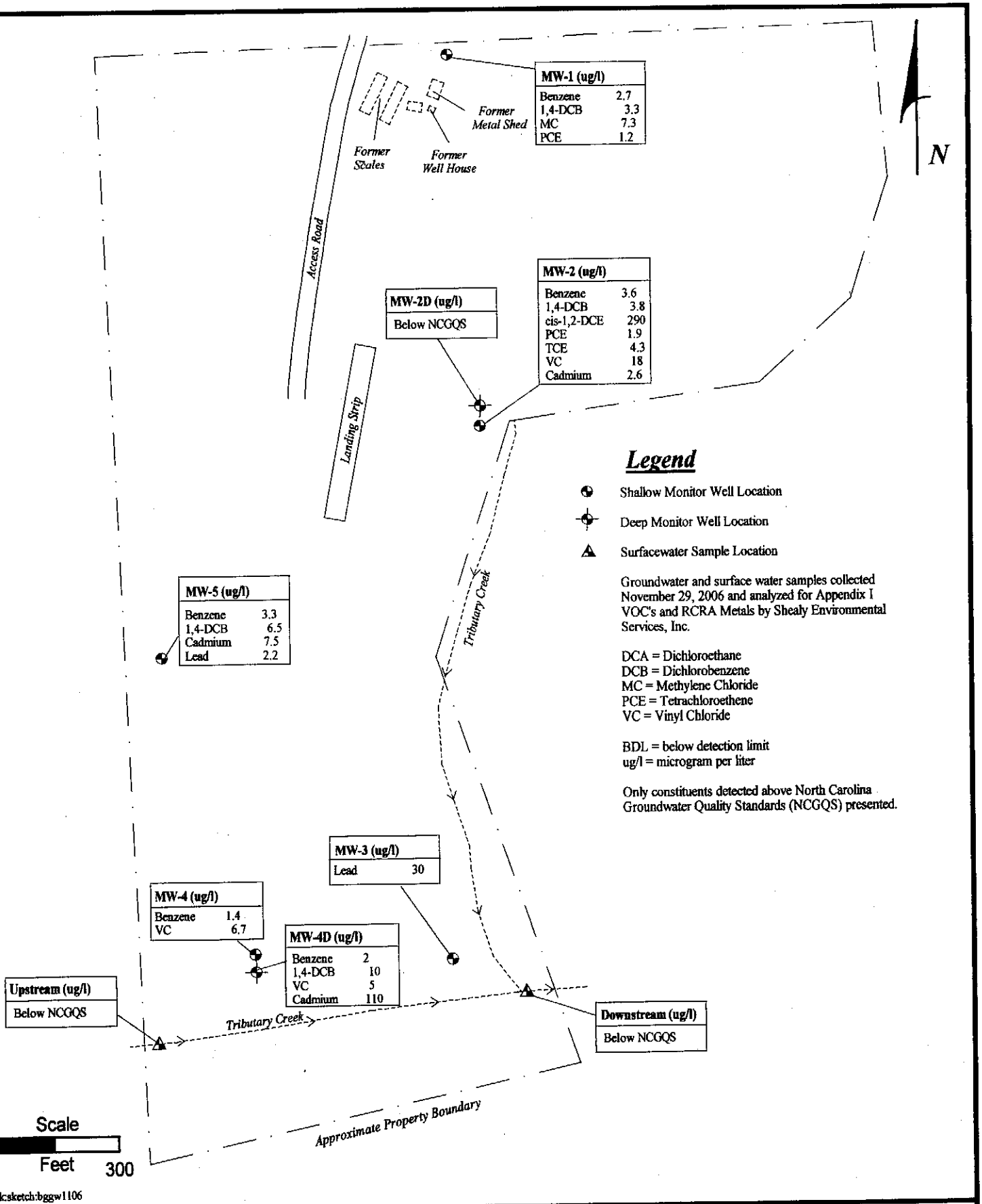
- A copy of this report should be forwarded to the NCSWM for their review.

rk:reports:biggerstaffrpt.1106

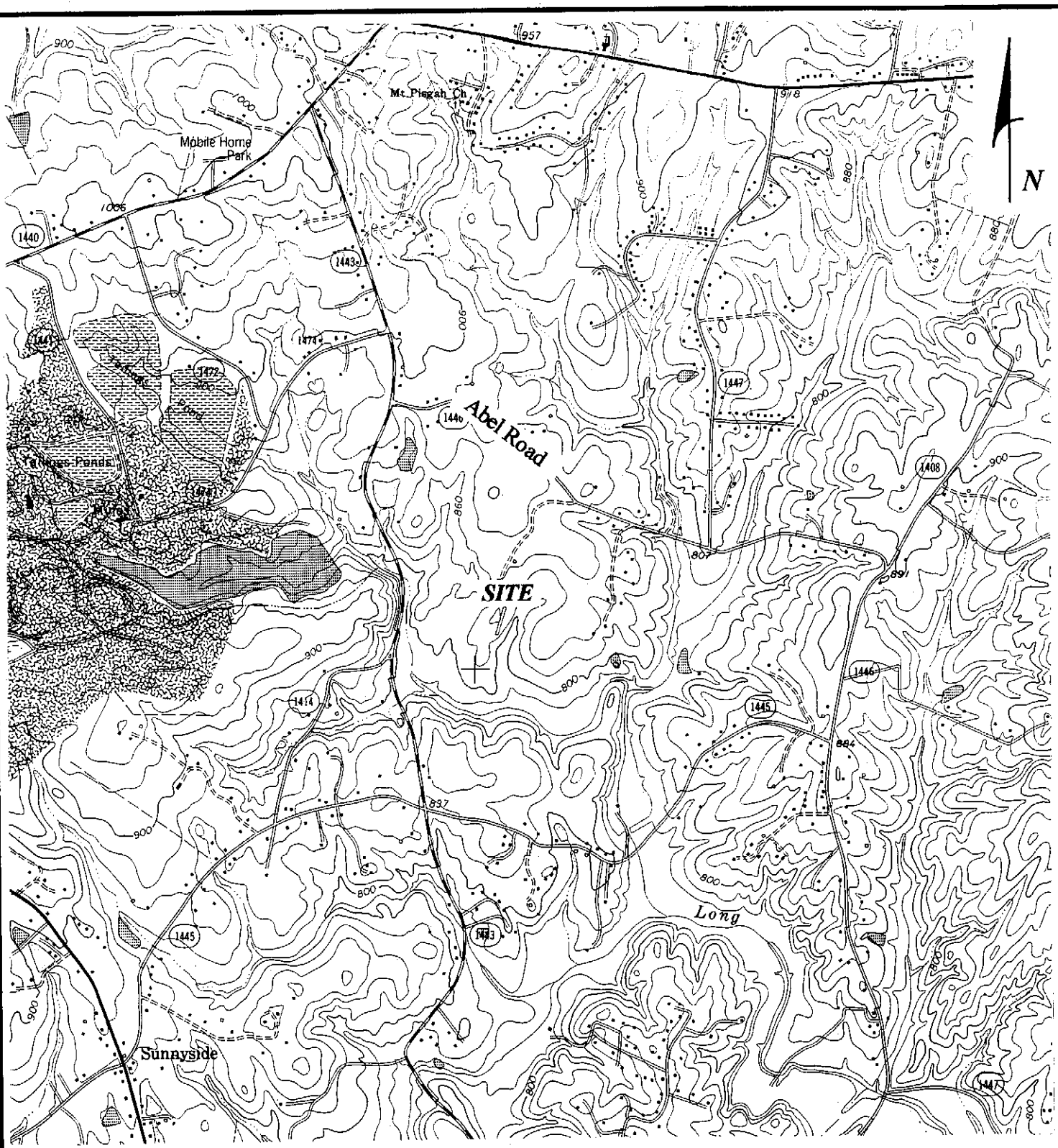
FIGURES



Gaston County Closed Biggerstaff Landfill Gaston County, North Carolina	Buxton Environmental, Inc.	Figure 3. Shallow Groundwater Flow Second Semi-Annual 2006

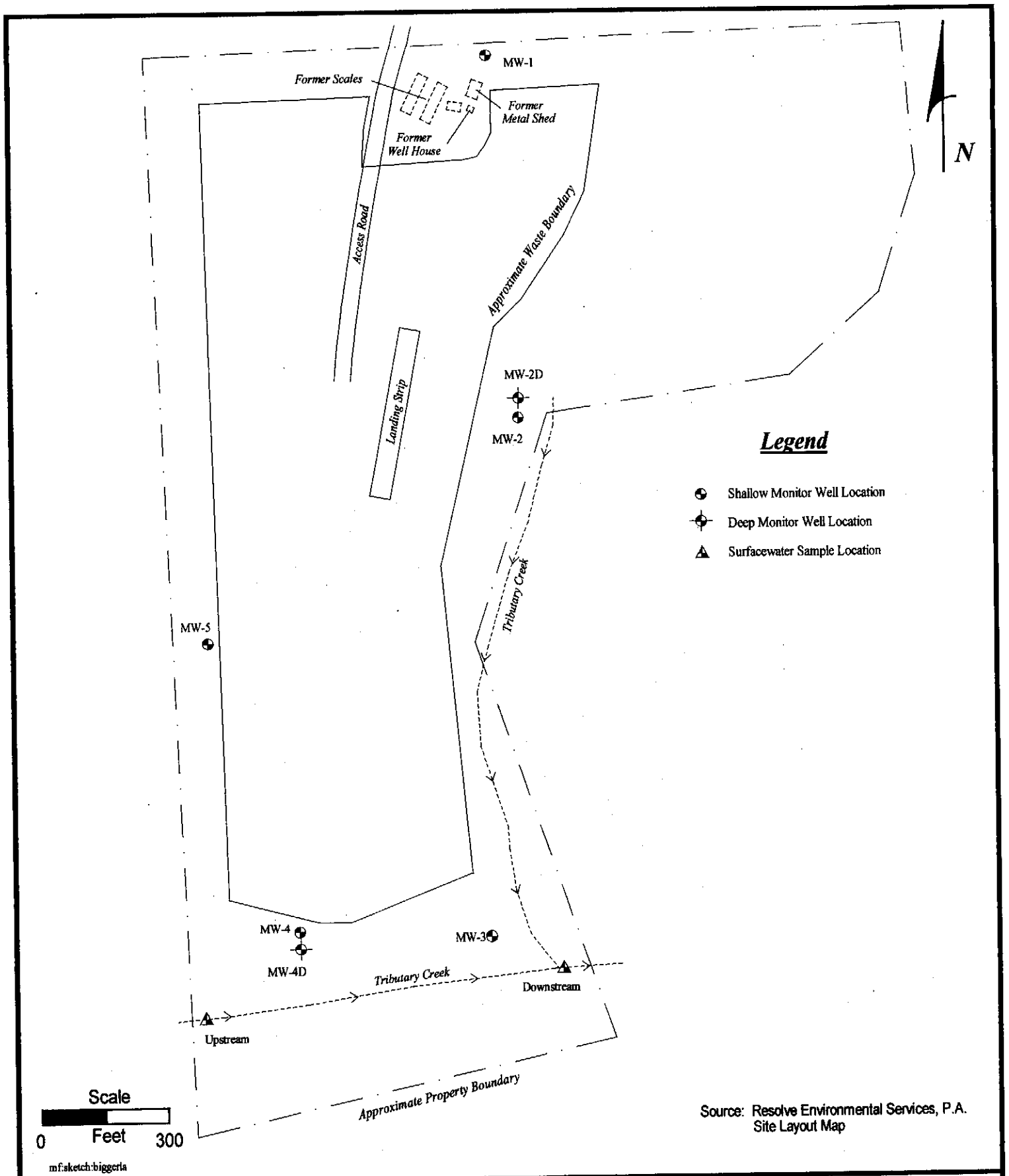


Gaston County Closed Biggerstaff Landfill Gaston County, North Carolina	Buxton Environmental, Inc.	Figure 4. Groundwater Analytical Results Second Semi-Annual 2006



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

TABLES

TABLE 1
GROUNDWATER GAUGING DATA
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 29, 2006

Well ID	*TD BTOC (ft)*	*TOC Elevation (ft)*	*DTW BTOC (ft)*	*DTW Elevation (ft)*
MW-1	33.20	872.88	29.43	843.45
MW-2	18.00	811.01	10.46	800.55
MW-2D	45.00	812.48	9.55	802.93
MW-3	18.10	781.76	8.02	773.74
MW-4	18.50	786.22	8.73	777.49
MW-4D	45.00	784.55	7.25	777.30
MW-5	33.20	825.72	25.59	800.13

Notes:
Depth to water measurements collected on November 29, 2006
with a depth to water electrode.
TD=total depth;BTOC=below top of casing;TOC=top of casing;DTW=depth to water;ft=feet
TOC elevations at MW-1, MW-2, MW-3, MW-4 and MW-5 are relative to mean sea level
and were surveyed by Robinson & Sawyer, Inc. on August 5, 1993.

TABLE 2
FIELD PARAMETER DATA
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 29, 2006

Well ID	***Field Parameters***		
	pH (standard units)	***K (uS)***	***T (fahrenheit)***
MW-1	6.9	50	62
MW-2	6.5	60	62
MW-2D	7.8	80	60
MW-3	6.5	80	60
MW-4	6.6	190	61
MW-4D	6.8	360	60
MW-5	6.4	120	62
Upstream	7.1	110	60
Downstream	6.6	110	60

Notes:
Field parameters collected on November 29, 2006
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
MAY 19, 2006

Sample ID	***MW-1***	***MW-2***	***MW-2D***	***MW-3***	***MW-4***	***MW-4D***	***MW-5***	***NCGQS***
Appendix I VOC's								
Benzene	**2.3**	**3.4**	BDL	BDL	**3.4**	**2**	**3.2**	1
Chlorobenzene	BDL	BDL	BDL	BDL	1.6	9.6	24	50
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	3.9	1.1	24
1,4-Dichlorobenzene	**3.3**	**3.8**	BDL	BDL	1.2	**10**	**6.5**	1.4
1,1-Dichloroethane	1.1	2.7	BDL	BDL	2.4	3.5	BDL	70
cis-1,2-Dichloroethene	6.8	**290**	BDL	BDL	2.5	8.9	1.1	70
Methylene Chloride	**3.3**	BDL	BDL	BDL	BDL	BDL	BDL	4.6
Tetrachloroethene	**1.2**	**1.9**	BDL	BDL	BDL	BDL	BDL	0.7
Trichloroethene	1.2	**4.3**	BDL	BDL	1.1	BDL	BDL	2.8
Vinyl Chloride	BDL	**18**	BDL	BDL	**6.7**	**5**	BDL	0.015
Xylenes	13	1	BDL	BDL	BDL	BDL	BDL	530
RCRA Metals								
Arsenic	BDL	8.8	BDL	14	7.4	BDL	6.5	50
Barium	30	270	36	180	36	120	350	2,000
Cadmium	BDL	**2.6**	BDL	1.3	BDL	**110**	**7.5**	1.75
Chromium	BDL	9.6	BDL	12	BDL	BDL	BDL	50
Lead	BDL	12	BDL	**30**	BDL	3	**22**	15
Mercury	BDL	BDL	BDL	BDL	BDL	BDL	0.31	1.05

Notes:
Groundwater samples were collected on November 29, 2006 and analyzed for above constituents by Shealy Environmental Services, Inc. in Cayce, SC.
BDL = below detection limit
NCGQS = North Carolina Groundwater Quality Standard
VOC's = volatile organic compounds
Bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)

TABLE 4
SURFACE WATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED BIGGERSTAFF LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 29, 2006

Sample ID	***Upstream***	***Downstream***	***NCGQS***
Appendix I VOC's	BDL	BDL	NA
RCRA Metals			
Barium	29	BDL	2,000
Chromium	12	BDL	50

Notes:
Surface water samples collected November 29, 2006 and analyzed for above constituents by Shealy Environmental Services, Inc. in Cayce, SC.
BDL = below detection limit
NA = not applicable
NCGQS = North Carolina Groundwater Quality Standard
VOC's = volatile organic compounds
data presented in micrograms per liter (ug/l)

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 County Landfills- Bigger Staff**

Lot Number: **HK30048**
Date Completed: **12/06/2006**

Alison Bragan Edwards
Project Manager

ACCREDITED IN ACCORDANCE WITH ilac

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.

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

Case Narrative
Buxton Environmental
Lot Number: HK30048

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: HK30048

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-1	Aqueous	11/29/2006 1100	11/30/2006
002	MW-2	Aqueous	11/29/2006 1130	11/30/2006
003	MW-2D	Aqueous	11/29/2006 1145	11/30/2006
004	MW-3	Aqueous	11/29/2006 1415	11/30/2006
005	MW-4	Aqueous	11/29/2006 1320	11/30/2006
006	MW-4D	Aqueous	11/29/2006 1400	11/30/2006
007	MW-5	Aqueous	11/29/2006 1230	11/30/2006
008	Upstream	Aqueous	11/29/2006 1300	11/30/2006
009	Downstream	Aqueous	11/29/2006 1450	11/30/2006
010	Trip Blank	Aqueous	11/29/2006 1230	11/30/2006

(10 samples)

Executive Summary
Buxton Environmental
Lot Number: HK30048

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-1	Aqueous	Benzene	8260B	2.7		ug/L	6
001	MW-1	Aqueous	1,4-Dichlorobenzene	8260B	3.3		ug/L	6
001	MW-1	Aqueous	1,1-Dichloroethane	8260B	1.1		ug/L	6
001	MW-1	Aqueous	cis-1,2-Dichloroethene	8260B	6.8		ug/L	6
001	MW-1	Aqueous	Methylene chloride	8260B	7.3		ug/L	6
001	MW-1	Aqueous	Tetrachloroethene	8260B	1.2		ug/L	6
001	MW-1	Aqueous	Trichloroethene	8260B	1.2		ug/L	6
001	MW-1	Aqueous	Xylenes (total)	8260B	13		ug/L	7
001	MW-1	Aqueous	Barium	6010B	0.030		mg/L	7
002	MW-2	Aqueous	Benzene	8260B	3.6		ug/L	8
002	MW-2	Aqueous	1,4-Dichlorobenzene	8260B	3.8		ug/L	8
002	MW-2	Aqueous	1,1-Dichloroethane	8260B	2.7		ug/L	8
002	MW-2	Aqueous	cis-1,2-Dichloroethene	8260B	290		ug/L	8
002	MW-2	Aqueous	Tetrachloroethene	8260B	1.9		ug/L	8
002	MW-2	Aqueous	Trichloroethene	8260B	4.3		ug/L	8
002	MW-2	Aqueous	Vinyl chloride	8260B	18		ug/L	9
002	MW-2	Aqueous	Xylenes (total)	8260B	1.0		ug/L	9
002	MW-2	Aqueous	Arsenic	6010B	0.0088		mg/L	9
002	MW-2	Aqueous	Barium	6010B	0.27		mg/L	9
002	MW-2	Aqueous	Cadmium	6010B	0.0026		mg/L	9
002	MW-2	Aqueous	Chromium	6010B	0.0096		mg/L	9
002	MW-2	Aqueous	Lead	6010B	0.012		mg/L	9
003	MW-2D	Aqueous	Barium	6010B	0.036		mg/L	11
004	MW-3	Aqueous	Arsenic	6010B	0.014		mg/L	13
004	MW-3	Aqueous	Barium	6010B	0.18		mg/L	13
004	MW-3	Aqueous	Cadmium	6010B	0.0013		mg/L	13
004	MW-3	Aqueous	Chromium	6010B	0.012		mg/L	13
004	MW-3	Aqueous	Lead	6010B	0.030		mg/L	13
005	MW-4	Aqueous	Benzene	8260B	1.4		ug/L	14
005	MW-4	Aqueous	Chlorobenzene	8260B	1.6		ug/L	14
005	MW-4	Aqueous	1,4-Dichlorobenzene	8260B	1.2		ug/L	14
005	MW-4	Aqueous	1,1-Dichloroethane	8260B	2.4		ug/L	14
005	MW-4	Aqueous	cis-1,2-Dichloroethene	8260B	2.5		ug/L	14
005	MW-4	Aqueous	Trichloroethene	8260B	1.1		ug/L	14
005	MW-4	Aqueous	Vinyl chloride	8260B	6.7		ug/L	15
005	MW-4	Aqueous	Arsenic	6010B	0.0074		mg/L	15
005	MW-4	Aqueous	Barium	6010B	0.036		mg/L	15
006	MW-4D	Aqueous	Benzene	8260B	2.0		ug/L	16
006	MW-4D	Aqueous	Chlorobenzene	8260B	9.6		ug/L	16
006	MW-4D	Aqueous	1,2-Dichlorobenzene	8260B	3.9		ug/L	16
006	MW-4D	Aqueous	1,4-Dichlorobenzene	8260B	10		ug/L	16
006	MW-4D	Aqueous	1,1-Dichloroethane	8260B	3.5		ug/L	16
006	MW-4D	Aqueous	cis-1,2-Dichloroethene	8260B	8.9		ug/L	16
006	MW-4D	Aqueous	Vinyl chloride	8260B	5.0		ug/L	17

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

Executive Summary (Continued)

Lot Number: HK30048

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
006	MW-4D	Aqueous	Barium	6010B	0.12		mg/L	17
006	MW-4D	Aqueous	Cadmium	6010B	0.11		mg/L	17
006	MW-4D	Aqueous	Lead	6010B	0.0030		mg/L	17
007	MW-5	Aqueous	Benzene	8260B	3.3		ug/L	18
007	MW-5	Aqueous	Chlorobenzene	8260B	24		ug/L	18
007	MW-5	Aqueous	1,2-Dichlorobenzene	8260B	1.1		ug/L	18
007	MW-5	Aqueous	1,4-Dichlorobenzene	8260B	6.5		ug/L	18
007	MW-5	Aqueous	cis-1,2-Dichloroethene	8260B	1.1		ug/L	18
007	MW-5	Aqueous	Arsenic	6010B	0.0065		mg/L	19
007	MW-5	Aqueous	Barium	6010B	0.35		mg/L	19
007	MW-5	Aqueous	Cadmium	6010B	0.0075		mg/L	19
007	MW-5	Aqueous	Lead	6010B	0.022		mg/L	19
007	MW-5	Aqueous	Mercury	7470A	0.00031		mg/L	19
008	Upstream	Aqueous	Barium	6010B	0.029		mg/L	21
008	Upstream	Aqueous	Chromium	6010B	0.012		mg/L	21

(59 detections)

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

Client: **Buxton Environmental**
Description: **MW-1**
Date Sampled: **11/29/2006 1100**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-001**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/04/2006 2223	CMS		49449

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	**71-43-2**	**8260B**	**2.7**		**1.0**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**3.3**		**1.0**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**1.1**		**1.0**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**6.8**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	**75-09-2**	**8260B**	**7.3**		**5.0**	**ug/L**	**1**
Styrene	100-42-5	8260B	ND		5.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**1.2**		**1.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**1.2**		**1.0**	**ug/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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"

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Client: **Buxton Environmental**
Description: **MW-1**
Date Sampled: **11/29/2006 1100**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-001**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1 -	5030B	8260B	1	12/04/2006 2223	CMS		49449

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		2.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		2.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	ug/L	1
Xylenes (total)	**1330-20-7**	**8260B**	**13**		**1.0**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	52-138
Bromofluorobenzene		95	70-147
Toluene-d8		96	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/05/2006 1700	FLW	12/04/2006 1606	49415
1	3005A	6010B	1	12/04/2006 2206	MNM	12/01/2006 0936	49324

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.030**		**0.025**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0010	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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

Client: **Buxton Environmental**
Description: **MW-2**
Date Sampled: **11/29/2006 1130**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-002**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/05/2006 1913	CMS		49512

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	**71-43-2**	**8260B**	**3.6**		**1.0**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**3.8**		**1.0**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**2.7**		**1.0**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**290**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**1.9**		**1.0**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**4.3**		**1.0**	**ug/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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

Client: **Buxton Environmental**
Description: **MW-2**
Date Sampled: **11/29/2006 1130**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-002**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/05/2006 1913	CMS	-	49512

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		2.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		2.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**18**		**2.0**	**ug/L**	**1**
Xylenes (total)	**1330-20-7**	**8260B**	**1.0**		**1.0**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	52-138
Bromofluorobenzene		97	70-147
Toluene-d8		99	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/05/2006 1705	FLW	12/04/2006 1606	49415
1	3005A	6010B	1	12/04/2006 2212	MNM	12/01/2006 0936	49324
2	3005A	6010B	1	12/05/2006 1552	MNM	12/01/2006 0936	49324

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.0088**		**0.0050**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**0.27**		**0.025**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.0026**		**0.0010**	**mg/L**	**1**
Chromium	**7440-47-3**	**6010B**	**0.0096**		**0.0050**	**mg/L**	**1**
Lead	**7439-92-1**	**6010B**	**0.012**		**0.0030**	**mg/L**	**2**
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	mg/L	1

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Client: **Buxton Environmental**
Description: **MW-2D**
Date Sampled: **11/29/2006 1145**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-003**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/04/2006 2307	CMS		49449

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

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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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Client: **Buxton Environmental**
Description: **MW-2D**
Date Sampled: **11/29/2006 1145**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-003**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
-1	5030B	8260B	1	12/04/2006 2307	CMS		49449

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		2.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		2.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	52-138
Bromofluorobenzene		97	70-147
Toluene-d8		99	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/05/2006 1706	FLW	12/04/2006 1606	49415
1	3005A	6010B	1	12/04/2006 2218	MNM	12/01/2006 0936	49324

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.036**		**0.025**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0010	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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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Client: **Buxton Environmental**
Description: **MW-3**
Date Sampled: **11/29/2006 1415**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-004**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/04/2006 2329	CMS		49449

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

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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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Client: **Buxton Environmental**
Description: **MW-3**
Date Sampled: **11/29/2006 1415**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-004**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/04/2006 2329	CMS	-	49449

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		2.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		2.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	52-138
Bromofluorobenzene		94	70-147
Toluene-d8		96	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/05/2006 1707	FLW	12/04/2006 1606	49415
1	3005A	6010B	1	12/04/2006 2224	MNM	12/01/2006 0936	49324
2	3005A	6010B	1	12/05/2006 1558	MNM	12/01/2006 0936	49324

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.014**		**0.0050**	**mg/L**	**2**
Barium	**7440-39-3**	**6010B**	**0.18**		**0.025**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.0013**		**0.0010**	**mg/L**	**1**
Chromium	**7440-47-3**	**6010B**	**0.012**		**0.0050**	**mg/L**	**1**
Lead	**7439-92-1**	**6010B**	**0.030**		**0.0030**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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"

Shealy Environmental Services, Inc.
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Client: **Buxton Environmental**
Description: **MW-4**
Date Sampled: **11/29/2006 1320**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-005**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/04/2006 2351	CMS		49449

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	**71-43-2**	**8260B**	**1.4**		**1.0**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**1.6**		**1.0**	**ug/L**	**1**
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**1.2**		**1.0**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**2.4**		**1.0**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**2.5**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**1.1**		**1.0**	**ug/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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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Client: **Buxton Environmental**
Description: **MW-4**
Date Sampled: **11/29/2006 1320**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-005**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/04/2006 2351	CMS		49449

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		2.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		2.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**6.7**		**2.0**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	52-138
Bromofluorobenzene		94	70-147
Toluene-d8		96	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/05/2006 1711	FLW	12/04/2006 1606	49415
1	3005A	6010B	1	12/05/2006 1956	MNM	12/01/2006 0936	49326

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.0074**		**0.0050**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**0.036**		**0.025**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0010	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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

Client: **Buxton Environmental**
Description: **MW-4D**
Date Sampled: **11/29/2006 1400**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-006**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/05/2006 0013	CMS		49449

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	**71-43-2**	**8260B**	**2.0**		**1.0**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**9.6**		**1.0**	**ug/L**	**1**
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	**95-50-1**	**8260B**	**3.9**		**1.0**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**10**		**1.0**	**ug/L**	**1**
1,1-Dichloroethane	**75-34-3**	**8260B**	**3.5**		**1.0**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**8.9**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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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Client: **Buxton Environmental**
Description: **MW-4D**
Date Sampled: **11/29/2006 1400**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-006**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/05/2006 0013	CMS	-	49449

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		2.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		2.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**5.0**		**2.0**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	52-138
Bromofluorobenzene		98	70-147
Toluene-d8		99	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/05/2006 1712	FLW	12/04/2006 1606	49415
1	3005A	6010B	1	12/05/2006 2003	MNM	12/01/2006 0936	49326

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.12**		**0.025**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.11**		**0.0010**	**mg/L**	**1**
Chromium	7440-47-3	6010B	ND		0.0050	mg/L	1
Lead	**7439-92-1**	**6010B**	**0.0030**		**0.0030**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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

Client: **Buxton Environmental**
Description: **MW-5**
Date Sampled: **11/29/2006 1230**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-007**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/05/2006 0035	CMS		49449

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	**71-43-2**	**8260B**	**3.3**		**1.0**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	**108-90-7**	**8260B**	**24**		**1.0**	**ug/L**	**1**
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	**95-50-1**	**8260B**	**1.1**		**1.0**	**ug/L**	**1**
1,4-Dichlorobenzene	**106-46-7**	**8260B**	**6.5**		**1.0**	**ug/L**	**1**
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**1.1**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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".

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

Client: **Buxton Environmental**
Description: **MW-5**
Date Sampled: **11/29/2006 1230**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-007**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/05/2006 0035	CMS		49449

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		2.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		2.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	52-138
Bromofluorobenzene		97	70-147
Toluene-d8		96	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/05/2006 1713	FLW	12/04/2006 1606	49415
1	3005A	6010B	1	12/05/2006 2009	MNM	12/01/2006 0936	49326

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	**7440-38-2**	**6010B**	**0.0065**		**0.0050**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**0.35**		**0.025**	**mg/L**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.0075**		**0.0010**	**mg/L**	**1**
Chromium	7440-47-3	6010B	ND		0.0050	mg/L	1
Lead	**7439-92-1**	**6010B**	**0.022**		**0.0030**	**mg/L**	**1**
Mercury	**7439-97-6**	**7470A**	**0.00031**		**0.00010**	**mg/L**	**1**
Selenium	7782-49-2	6010B	ND		0.0050	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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

Client: **Buxton Environmental**
Description: **Upstream**
Date Sampled: **11/29/2006 1300**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-008**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/05/2006 0057	CMS		49449

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

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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

Client: **Buxton Environmental**
Description: **Upstream**
Date Sampled: **11/29/2006 1300**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-008**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/05/2006 0057	CMS	-	49449

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		2.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		2.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	52-138
Bromofluorobenzene		98	70-147
Toluene-d8		97	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/05/2006 1714	FLW	12/04/2006 1606	49415
1	3005A	6010B	1	12/05/2006 2115	MNM	12/01/2006 0936	49326

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.029**		**0.025**	**mg/L**	**1**
Cadmium	7440-43-9	6010B	ND		0.0010	mg/L	1
Chromium	**7440-47-3**	**6010B**	**0.012**		**0.0050**	**mg/L**	**1**
Lead	7439-92-1	6010B	ND		0.0030	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	mg/L	1

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

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Client: **Buxton Environmental**
Description: **Downstream**
Date Sampled: **11/29/2006 1450**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-009**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/05/2006 0119	CMS		49449

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

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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"

Client: **Buxton Environmental**
Description: **Downstream**
Date Sampled: **11/29/2006 1450**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-009**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/05/2006 0119	CMS		49449

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		2.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		2.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	52-138
Bromofluorobenzene		99	70-147
Toluene-d8		97	76-125

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/05/2006 1716	FLW	12/04/2006 1606	49415
1	3005A	6010B	1	12/05/2006 2016	MNM	12/01/2006 0936	49326

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	mg/L	1
Barium	7440-39-3	6010B	ND		0.025	mg/L	1
Cadmium	7440-43-9	6010B	ND		0.0010	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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.

Client: **Buxton Environmental**
Description: **Trip Blank**
Date Sampled: **11/29/2006 1230**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-010**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/05/2006 0141	CMS		49449

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

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

Client: **Buxton Environmental**
Description: **Trip Blank**
Date Sampled: **11/29/2006 1230**
Date Received: **11/30/2006**

Laboratory ID: **HK30048-010**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/05/2006 0141	CMS	-	49449

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		2.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		2.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	52-138
Bromofluorobenzene		98	70-147
Toluene-d8		98	76-125

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

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 68036

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: X [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 Landfill - Biggerstaff			
Project No.	P.O. No.		Lot No. HK30048

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 IV VOCs	RCRA METALS							Remarks / Cooler I.D.
MW-1	11-29-06	11:00	G	✓											X	X							7 Day TAT
MW-2	"	11:30	G	✓											X	X							
MW-2D	"	11:45	G	✓											X	X							
MW-3	"	14:15	G	✓											X	X							
MW-4	"	13:20	G	✓											X	X							
MW-4D	"	14:00	G	✓											X	X							
MW-5	"	12:30	G	✓											X	X							
UPSTREAM	"	13:00	G	✓											X	X							
DOWNSTREAM	"	14:50	G	✓											X	X							
TRIP BLANK	11-10-06	12:30	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) STD ☒ 7 Day TAT ☒

QC Requirements (Specify): ANALYZE PER NC SOLID Waste Rules

	Date	Time		Date	Time
1. Relinquished by [signature]	11-29-06	15:30	1. Received by [signature]	11-29-06	15:30
2. Relinquished by [signature]	11-30-06	1500	2. Received by		
3. Relinquished by			3. Laboratory received by [signature]	11-30-06	1500

Comments

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

Receipt Temp. 0.6 °C

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

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

Sample Receipt Checklist

Client: Buxton Eng Cooler Inspected by/date: TDM / 11 30 06 Lot #: HK30048

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 temperature upon receipt 0.6 °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 13,14,15), an explanation/resolution must be provided.

Yes ☐	No ☐	NA ☑	3. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐	NA ☐	4. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐	NA ☐	5. Were sample IDs listed?
Yes ☑	No ☐	NA ☐	6. Was collection date & time listed?
Yes ☑	No ☐	NA ☐	7. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	8. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐	NA ☐	9. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐	NA ☐	10. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐	NA ☐	11. Was adequate sample volume available?
Yes ☑	No ☐	NA ☐	12. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑	NA ☐	13. Were any samples containers missing?
Yes ☐	No ☑	NA ☐	14. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	15. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☑	No ☐	NA ☐	16. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☑	No ☐	NA ☑	17. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	18. 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 ☑	19. 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.

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

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

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

Corrective Action taken, if necessary:

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

SESI employee:_____ Date of response: _____

Comments:

Client: **Buxton Environmental**
Description: **Equipment Blank**
Date Sampled: **11/27/2006 1355**
Date Received: **11/27/2006**

Laboratory ID: **HK27033-025**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/01/2006 1858	CMS		49355

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

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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

Client: **Buxton Environmental**
Description: **Equipment Blank**
Date Sampled: **11/27/2006 1355**
Date Received: **11/27/2006**

Laboratory ID: **HK27033-025**
Matrix: **Aqueous**

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/01/2006 1858	CMS		49355

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichlorofluoromethane	75-69-4	8260B	ND		2.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		2.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	52-138
Bromofluorobenzene		87	70-147
Toluene-d8		111	76-125

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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 68033

Client: BOXTON ENVIRONMENTAL, INC	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: 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.		Lot No. H1527033

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			APPI VOCs									Remarks / Cooler I.D.
EQUIPMENT BLANK	11-27-06	13:55													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) Std 7 Copy TAT #1

QC Requirements (Specify): ANALYZE PER NC SOLID Waste Rules

	Date	Time		Date	Time
1. Relinquished by	11-27-06	14:00	1. Received by	11-27-06	14:00
2. Relinquished by	11-27-06	1635	2. Received by		
3. Relinquished by			3. Laboratory received by	11/27/06	1635

Comments

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

Receipt Temp. 2.8 °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*	*NCGQS*
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	700
Benzene	BDL	BDL	BDL	BDL	BDL	**37**	BDL	BDL	BDL	NT	NT	NT	**1**	BDL	**2.6**	**3.1**	**2.6**	**3.3**	**3.2**	**2.7**	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	50
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	1.4	BDL	BDL	BDL	BDL	BDL	BDL	24
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	BDL	**2.3**	**3.2**	**2.9**	**4**	**3.9**	**3.5**	1.4
1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	BDL	BDL	BDL	BDL	BDL	1	1.1	70
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	70
Methylene Chloride	BDL	BDL	**[illegible]**	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	BDL	BDL	**9**	**9.4**	**8.7**	**8.1**	**7.3**	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**	0.7
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	BDL	BDL	BDL	BDL	BDL	1	1.2	2.8
Xylenes	27	BDL	BDL	25	21	10	BDL	25	14	NT	NT	NT	53	17	19	BDL	18	19	18	13	530
RCRA Metals																					
Arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	12	BDL	20	BDL	12	15	BDL	50
Barium	53	62	56	610	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	61	73	30	130	50	61	58	30	2,000
Cadmium	BDL	**[illegible]**	BDL	BDL	BDL	BDL	1	BDL	BDL	NT	NT	NT	BDL	BDL	BDL	BDL	1.1	BDL	**2.2**	BDL	1.75
Chromium	38	**[illegible]**	**[illegible]**	**[illegible]**	33	20	11	20	BDL	NT	NT	NT	20	**[illegible]**	BDL	**[illegible]**	14	**[illegible]**	**[illegible]**	BDL	50
Lead	8	**[illegible]**	9	9.8	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	13	**[illegible]**	BDL	**[illegible]**	8.2	12	10	BDL	15
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	BDL	BDL	BDL	BDL	BDL	6.3	BDL	50
Mercury	BDL	0.2	0.2	**[illegible]**	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	BDL	0.51	0.51	0.29	BDL	0.18	0.24	BDL	1.05

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGQS = 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 NCGQS
data presented in micrograms per liter (ug/l)

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*	*NCGQS*
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	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	1
Carbon Disulfide	17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700
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	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	70
cis-1,2-Dichloroethene	480	62	100	210	300	28	91	160	96	20.9	12.1	170	4	190	250	140	34	510	920	290	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	100
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	39	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.6	BDL	46	26	BDL	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	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	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	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	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	50
Barium	1,200	1,000	830	560	BDL	BDL	BDL	BDL	BDL	129	113	150	130	170	270	110	130	220	260	270	2,000
Cadmium	22	7	BDL	BDL	2	1	4	3	BDL	BDL	2	BDL	BDL	BDL	BDL	11	2.1	BDL	2.1	2.6	1.75
Chromium	19	21	13	19	BDL	BDL	BDL	BDL	BDL	BDL	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6	9.6	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	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	1.05
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	22	BDL	7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	17.5

Notes:
Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGQS = North Carolina Groundwater Quality Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)

rk:table:bighistgw.mw2

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*	*NCGQS*
Appendix I VOC's	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA
RCRA Metals														
Arsenic	47	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	2,000
Cadmium	[illegible]	1	1	BDL	BDL	BDL	BDL	BDL	1.1	[illegible]	BDL	1.2	BDL	1.75
Chromium	44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
Lead	[illegible]	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.2	BDL	15
Mercury	BDL	BDL	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05

Notes:
Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGQS = North Carolina Groundwater Quality Standard
VOC's = volatile organic compounds
NA = not applicable
bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)

rk:table:bighistgw.mw2D

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*	*NCGQS*
Appendix I VOC's																					
Benzene	BDL	BDL	BDL	BDL	**[illegible]**	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	50
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	**[illegible]**	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	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	70
Vinyl Chloride	BDL	BDL	BDL	BDL	**[illegible]**	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	50
Barium	180	260	190	260	BDL	BDL	BDL	BDL	BDL	41	65	100	54	90	110	87	44	120	120	180	2,000
Cadmium	BDL	**[illegible]**	BDL	BDL	1	1	**[illegible]**	**[illegible]**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL	BDL	1.3	1.75
Chromium	BDL	10	12	24	BDL	BDL	BDL	14	BDL	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	6.5	BDL	12	50
Lead	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	12	**[illegible]**	BDL	**[illegible]**	12	**[illegible]**	5.2	14	**[illegible]**	13	BDL	**[illegible]**	12	**[illegible]**	15
Mercury	BDL	BDL	BDL	0.56	BDL	BDL	BDL	BDL	BDL	0.4	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	50

Notes:
Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGQS = North Carolina Groundwater Quality Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)

rk:table:bighistgw.mw3

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*	*NCGQS*
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	700
Benzene	**[illegible]**	**[illegible]**	**[illegible]**	BDL	**6**	**10**	BDL	BDL	BDL	**[illegible]**	BDL	BDL	BDL	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	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	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	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	24
1,4-Dichlorobenzene	**[illegible]**	BDL	BDL	**[illegible]**	**[illegible]**	**[illegible]**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**[illegible]**	**[illegible]**	1.3	**[illegible]**	**[illegible]**	**[illegible]**	1.2	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	70
1,2-Dichloroethane	**[illegible]**	BDL	BDL	BDL	BDL	**[illegible]**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**[illegible]**	BDL	BDL	**[illegible]**	**[illegible]**	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	70
1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**[illegible]**	BDL	BDL	BDL	**[illegible]**	BDL	0.51
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	550
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2	BDL	1.2	BDL	BDL	BDL	BDL	BDL	1,000
Trichloroethene	BDL	**[illegible]**	BDL	BDL	BDL	**[illegible]**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.8	BDL	1.6	2.1	2.9	1.1	2.8
Vinyl Chloride	BDL	**[illegible]**	BDL	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	BDL	BDL	**[illegible]**	BDL	BDL	**[illegible]**	BDL	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	0.015
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530
RCRA Metals																					
Arsenic	12	13	5	BDL	BDL	BDL	BDL	BDL	19	8	6	BDL	BDL	16	12	5.3	BDL	12	18	7.4	50
Barium	290	250	110	160	BDL	BDL	BDL	BDL	BDL	92	180	BDL	BDL	88	91	39	43	110	150	36	2,000
Cadmium	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	BDL	BDL	BDL	BDL	**[illegible]**	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	50
Lead	**[illegible]**	**[illegible]**	13	6.3	BDL	**[illegible]**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.6	BDL	BDL	BDL	15
Mercury	BDL	BDL	BDL	**[illegible]**	BDL	0.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6	BDL	BDL	BDL	5.6	BDL	BDL	BDL	6.5	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

NCGQS = North Carolina Groundwater Quality Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGQS

data presented in micrograms per liter (ug/l)

rk:table:bighistgw.mw4

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*	*NCGQS*
Appendix I VOC's														
Benzene	BDL	BDL	BDL	BDL	**[illegible]**	BDL	BDL	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	1
Chlorobenzene	BDL	5.6	BDL	BDL	4.1	5.7	4.3	6.7	7.5	7.6	8.5	10	9.6	50
1,2-Dichlorobenzene	BDL	BDL	2.4	BDL	2.7	3.4	2	3.9	3.9	3.7	4	4.3	3.9	24
1,4-Dichlorobenzene	BDL	**[illegible]**	BDL	BDL	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	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	70
cis-1,2-Dichloroethene	BDL	BDL	5.2	BDL	5.2	4	BDL	5.2	6.3	7	8	7.8	8.9	70
1,2-Dichloropropane	BDL	BDL	BDL	BDL	**[illegible]**	**[illegible]**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.51
Vinyl Chloride	BDL	BDL	**[illegible]**	BDL	BDL	**[illegible]**	BDL	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	0.015
RCRA Metals														
Barium	BDL	BDL	108	97	100	110	110	110	120	120	110	120	120	2,000
Cadmium	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	1.75
Chromium	BDL	BDL	7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
Lead	22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	15
Selenium	BDL	BDL	10	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.1	BDL	50

Notes:
Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
BDL = below detection limit
NCGQS = North Carolina Groundwater Quality Standard
VOC's = volatile organic compounds
bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)

rk:table:bighistgw.mw4D

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*	*NCGQS*
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	700
Benzene	**[illegible]**	BDL	BDL	BDL	BDL	**[illegible]**	BDL	**[illegible]**	BDL	NT	**[illegible]**	BDL	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	1
Carbon Disulfide	BDL	6.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	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	50
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	24
1,4-Dichlorobenzene	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	BDL	**[illegible]**	NT	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	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	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	70
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	BDL	BDL	BDL	BDL	**[illegible]**	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	1,000
Xylenes	26	BDL	BDL	BDL	7	BDL	BDL	BDL	BDL	NT	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	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	2,000
Cadmium	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	BDL	NT	NT	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	1.5	**[illegible]**	**[illegible]**	1.75
Chromium	BDL	18	25	22	BDL	BDL	BDL	BDL	BDL	NT	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
Lead	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	BDL	**[illegible]**	BDL	NT	NT	14	**[illegible]**	**[illegible]**	12	9.8	13	3.6	BDL	**[illegible]**	15
Mercury	**[illegible]**	0.3	**[illegible]**	**[illegible]**	BDL	0.4	0.2	0.6	BDL	NT	NT	BDL	0.53	BDL	0.36	BDL	BDL	BDL	0.13	0.31	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	NT	BDL	5	BDL	BDL	BDL	BDL	BDL	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
NCGQS = North Carolina Groundwater Quality Standard
VOC's = volatile organic compounds
NT = not tested, due to dry conditions
bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)

rk:table:bighistgw.mw5